

IBM[®] DB2 Universal Database[™]



Message Reference Volume 1

Version 8

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About This Guide

The purpose of this book is to list the messages returned by various components of DB2.

Who Should Use This Guide

The *Message Reference* is designed to be used by anyone using DB2 and requiring more detailed information about returned messages.

How This Guide Is Structured

This guide lists the possible error messages returned by the various components of DB2.

Conventions

The format for date and time, and the characters used as separators for date and time, are intended for a system configured to use the United States English national language format. These may be different on your display, depending on the national language format used by your system.

Chapter 1. Introduction to Messages

It is assumed that you are familiar with the functions of the operating system where DB2 is installed. You can use the information contained in the following chapters to identify an error or problem and resolve the problem by using the appropriate recovery action. This information can also be used to understand where messages are generated and logged.

Message Structure

Message identifiers consist of a three character message prefix, followed by a four or five digit message number, followed by a single letter suffix. For example, *SQL1042C*. For a list of message prefixes, see “Information Available Online” and “Other DB2 Messages” on page 3. The single letter suffix describes the severity of the error message.

In general, message identifiers ending with a *C* are severe messages. Those ending with an *E* are urgent messages. Message identifiers ending with an *N* are error messages, those ending with a *W* are warning messages and an *I* indicates an informational message.

For ADM messages, message identifiers ending with a *C* are severe messages. Those ending with an *E* are urgent messages. Message identifiers ending with a *W* are important messages and an *I* are indicates an informational messages.

For SQL messages, message identifiers ending with an *N* are error messages. Those ending with a *W* indicate warning or informational messages. Message identifiers ending with a *C* indicate critical system errors.

Information Available Online

The following DB2 messages are accessible from the operating system command line:

Prefix	Description
ASN	messages generated by DB2 Replication
CCA	messages generated by the Client Configuration Assistant
CLI	messages generated by Call Level Interface
DBA	messages generated by the Database Administration tools
DBI	messages generated by installation and configuration

DBT	messages generated by the Database tools
DB2	messages generated by the command line processor
DWC	messages generated by the Data Warehouse Center
GSE	messages generated by the DB2 Spatial Extender
ICC	messages generated by the Information Catalog Center
SAT	messages generated in a satellite environment
SPM	messages generated by the sync point manager
SQL	messages generated by the database manager when a warning or error condition has been detected.

As well, the message text associated with SQLSTATE values is available online.

Message identifiers consist of a three character message prefix (see above list), followed by a four or five digit message number. The single digit letter at the end which describes the severity of the error message is optional.

To access help on these error messages, enter the following at the operating system command prompt:

```
db2 "? XXXnnnnn"
```

where *XXX* represents the message prefix
and where *nnnnn* represents the message number.

Note: The message identifier accepted as a parameter of the **db2** command is not case sensitive, and the terminating letter is not required.

Therefore, the following commands will produce the same result:

- db2 "? SQL0000N"
- db2 "? sql0000"
- db2 "? SQL0000n"

If the message text is too long for your screen, use the following command (on unix-based systems and others which support 'more'):

```
db2 "? XXXnnnnn" | more
```

Help can also be invoked in the interactive input mode. To enter the interactive input mode, enter the following at the operating system command prompt:

```
db2
```

Once in the interactive input mode, you can enter commands at the following command prompt:

```
db2 =>
```

To get DB2 message help in this mode, type the following at the command prompt:

```
?
```

Note: If the message text exceeds the length of the screen, users with non-graphical workstations can pipe the output to the 'more' (on unix-based systems) program or redirect the output to a file which can then be browsed.

The message text associated with a given SQLSTATE value can be retrieved by issuing:

```
db2 "? nnnnn"
```

or

```
db2 "? nn"
```

where *nnnnn* is a five digit SQLSTATE (alphanumeric) and *nn* is the two digit SQLSTATE class code (first two digits of the SQLSTATE value).

Other DB2 Messages

Some DB2 components return messages that are not available online or are not described in this manual. Some of the message prefixes may include:

ADM messages generated by many DB2 components. These messages are written in the Administration Notification log file and are intended to provide additional information to System Administrators.

Note: Although the ADM messages are available for reference, the messages are not available online.

AUD messages generated by the DB2 Audit facility.

DIA diagnostics messages generated by many DB2 components. These messages are written in the diagnostics log file `db2diag.log`, and are intended to provide additional information for users and DB2 service personnel when investigating errors.

GOV messages generated by the DB2 governor utility.

In most cases, these messages provide sufficient information to determine the cause of the warning or error. For more information on the command or

utility that generated the messages, please refer to the appropriate manual where the command or utility is documented.

Other Message Sources

When running other programs on the system, you may receive messages with prefixes other than those mentioned in this reference.

For information on these messages, refer to the publications that you received for that program product.

Chapter 2. ADM Messages

This section contains the Administration Notification (ADM) messages. The messages are listed in numeric sequence.

ADM0001C A severe error has occurred. Examine the administration notification log and contact IBM Support if necessary.

ADM0500E The DB2 Service does not have the necessary authority to complete the command. If a user account has been associated with the DB2 Service, ensure that the user account has the correct access rights on the local system and access to the Domain Security Database for user authentication and group enumeration.

ADM0501C A stack overflow exception has occurred. The DB2 instance has terminated abnormally. To remedy this problem, you may increase the default stack size for db2syscs.exe using the db2hdr utility as follows: db2hdr \sqllib\bin\db2syscs.exe /s:<stackreserve>[,<stackcommit>] Note that increasing the default stack size will consume virtual memory space and may reduce the maximum number of concurrent connections. Contact IBM Support for further assistance.

ADM0502C The DB2 instance has terminated abnormally. To remedy this problem, increase the AGENT_STACK_SZ DBM configuration parameter. Contact IBM Support for further assistance.

ADM0503C An unexpected internal processing error has occurred. ALL DB2 PROCESSES ASSOCIATED WITH THIS INSTANCE HAVE BEEN SHUTDOWN. Diagnostic information has been recorded. Contact IBM Support for further assistance.

ADM0504C An unexpected internal processing error has occurred. ALL DB2 PROCESSES ASSOCIATED WITH THIS INSTANCE HAVE BEEN SUSPENDED. Diagnostic information has been recorded. Contact IBM Support for further assistance.

ADM0505E DB2 received a SIGDANGER signal from the operating system. This signal indicates that the system is running low on paging space. If the paging space gets too low, the operating system will forcibly terminate user processes. Contact your system administrator to increase your paging space.

ADM0506I DB2 has automatically updated the *parameter kernel parameter* from *originalValue* to the recommended value *recommendedValue*.

ADM0507W DB2 could not automatically update the *parameter kernel parameter* to the recommended value *recommendedValue*. Update this kernel parameter manually.

ADM0508E DB2 was unable to load the Java interpreter library *libraryPath*. This error commonly occurs because of restrictions imposed by the operating system. Consult the IBM DB2 documentation for a solution. If this problem persists, contact IBM support.

ADM1010I Reconcile started on table *tableName*.

ADM1011I Reconcile has completed successfully on table *tableName*.

ADM1012W Reconcile has failed on table *tableName*. The table will now be placed into DATALINK Reconcile Not Possible (DRNP) state.

ADM1013W Reconcile for table *tableName* is successful on Data Links Managers (DLMs) that were up and is pending on DLMs that were down. The table will now be placed in DATALINK Reconcile Pending (DRP) state.

ADM1014E Reconcile has failed on table *tableName*.

ADM1022W The metadata information for the DATALINK column(s) is missing on DB2 Data Links Manager *serverName*.

ADM1023W Reconcile processing is PENDING on Data Links Manager *serverName*.

ADM1024W Reconcile processing is COMPLETE on Data Links Manager *serverName*.

ADM1500W DB2 is unable to locate log file *filename*.

ADM1510W A file sharing violation has occurred while accessing log file *fileName*. Another process may be using this file. DB2 will try to delete it later.

ADM1511W The error *error* has occurred while deleting log file *filename*. DB2 will try to delete this file later.

ADM1512E The error *error* has occurred while deleting log file *filename*. User must manually delete this file.

ADM1513W The log file *fileName* has been deleted.

ADM1514W The log file *fileName* no longer exists.

ADM1530E Crash recovery has been initiated.

ADM1531E Crash recovery has completed successfully.

ADM1532E Crash recovery has failed with SQLCODE *SQLCODE*.

ADM1533W Database has recovered. However, one or more table spaces are offline.

ADM1550W The active log space exceeds the LOGPRIMARY DB configuration parameter. ROLLBACK may be slow if log files have to be retrieved from archive.

ADM1551W DB2 is retrieving the active log file *fileName* from archive. This may result in a delay.

ADM1552E DB2 is unable to open active log file *filename*. This could be caused by problem in retrieving the log file from archive. DB2 will try again every 5 minutes.

ADM1600W There was not enough memory to enable parallel recovery; however, recovery is proceeding. Increase either the DBHEAP or UTIL_HEAP_SZ configuration parameters by *blockSize* for any future recoveries.

ADM1601W Another request was made to roll the database forward. However, the current invocation of rollforward did not read as far in the logs as the previous invocation. The log files containing log records for LSN *LSN* were not available in the database LOGPATH or the OVERFLOW LOG PATH. Make sure that all the log files are available in the database LOGPATH or the OVERFLOW LOG PATH and re-issue the rollforward command. The database has been left in rollforward pending state.

ADM1602W Rollforward recovery has been initiated.

ADM1603I DB2 is invoking the forward phase of the database rollforward recovery.

ADM1604I DB2 is invoking the forward phase of the table space rollforward recovery.

ADM1605I DB2 is invoking the backward phase of database rollforward recovery.

ADM1606I DB2 is invoking the backward phase of table space rollforward recovery.

ADM1607I DB2 is invoking the completion phase of the database rollforward recovery.

ADM1608I DB2 is invoking the completion phase of the table space rollforward recovery.

ADM1609W DB2 is canceling the database rollforward recovery.

ADM1610W DB2 is canceling the table space rollforward recovery.

ADM1611W The rollforward recovery phase has been completed.

ADM1612W Online table space rollforward recovery could not complete due to the high volume of database activity. Either reduce the database activity, increase the MAXAPPLS configuration parameter, or perform an offline table space rollforward.

ADM1613W The table space *tablespaceName* (ID *tablespaceID*) was previously rolled forward to *timestampPIT* at *timestampRFDW*.

ADM1614W The table space *tablespaceName* (ID *tablespaceID*) has been placed into restore pending state. The rest of the table spaces have been rolled forward to the end of logs.

ADM1615W DB2 cannot roll forward table space *tablespaceName* (ID *tablespaceID*) because it is still used by an active transaction. The application handle is *appHandle*. Terminate this application by COMMIT, ROLLBACK, or FORCE APPLICATION.

ADM1616E DB2 could not find the dropped table log record that matches the given dropped table with ID *tablespaceID* during recovery.

ADM1617W The table space *tablespaceName* (ID *tablespaceID*) that was included in the last rollforward has not yet completed. It has not been included in the table space list provided for this rollforward. It has been placed into restore pending state.

ADM1618W DB2 cannot recover table space *tablespaceName* (ID *tablespaceID*) during database rollforward. The table space has been placed in rollforward pending state. To recover, perform a table space rollforward after the database rollforward is complete.

ADM1619W Rollforward cannot stop here. Rollforward to LSN *rollforwardLSN* in log file *logFilename*.

ADM1700W DB2 is unable to use the log path specified by the backup image; Switching to the default log path.

ADM1701W The USEREXIT DB configuration parameter is not enabled because the LOGRETAIN DB configuration parameter is set to CAPTURE.

ADM1800E DB2 was unable to confirm log *logNumber* was archived on the old log path. Take a database backup to ensure that the database may be recovered.

ADM1801W DB2 could not access more than 2GB of file storage on the raw device. Therefore, only 2GB of file storage will be used for logging.

ADM1802W Database was put into offline backup pending state because the LOGFILSIZ DB configuration parameter has changed while using raw device for logging.

ADM1803W There is not enough space left on raw device *path* for log files. The actual device size is *actualDevice* 4K pages. The minimum required device size is *minimumDevice* 4K pages.

ADM1804W The raw device is too small to support active log space. *actualDeviceSize* 4K pages are available, however, *minimumDeviceSize* 4K pages are required. Use a larger device or reduce the LOGPRIMARY and/or the LOGFILSIZ DB configuration parameters.

ADM1805E DB2 is unable to use the NEWLOGPATH DB configuration parameter because the raw device is already being used as a log or table space container elsewhere.

ADM1806E Unable to use the NEWLOGPATH DB configuration parameter *newLogPath* DB2 will continue to use the current log path.

ADM1807E The new DB configuration parameter values for NEWLOGPATH and MIRRORLOGPATH are identical, this is not allowed. Ensure that the values are different for the two parameters.

ADM1810E The new value of the MIRRORLOGPATH DB configuration parameter is invalid or cannot be used. DB2 will ignore the new value. Confirm the new path value and ensure that it is valid.

ADM1811E DB2 will now switch to the default log path *logpath*.

ADM1812E The new value of the MIRRORPATH DB configuration parameter *newMirrorPath* is not usable. DB2 will continue to use the existing mirror path *defaultMirrorPath*.

ADM1813E The current mirror path *currentMirrorPath* is invalid.

ADM1814E The current log path *currentLogPath* is invalid.

ADM1815E An error occurred while DB2 was trying to remove log files from *logFilePath*.

ADM1817E DB2 was unable to execute the user exit program when archiving log file *logFilename* from *dirPath* for database *DBName*. The error code was *returnCode*. Verify user exit program by manually running it.

ADM1818E An error was received from the user exit program. DB2 will not call the user exit program for this database for 5 minutes.

ADM1819C DB2 was unable to switch to the new log file size because an error occurred while archiving an old log on the raw device. As a result, the database cannot be accessed.

ADM1820W For USEREXIT to be enabled, you cannot have both DB configuration parameters LOGRETAIN set to CAPTURE and USEREXIT turned on. Therefore, USEREXIT is disabled.

ADM1821E The log path has been reset to the default value.

ADM1822W The active log is being held by dirty pages. This is not an error, but database performance may be impacted. If possible, reduce the database work load. If this problem persists, either decrease the SOFTMAX and/or increase the NUM_IOCLEANERS DB configuration parameters.

ADM1823E The log is full. The active log is held by application handle *handle*. Terminate this application by COMMIT, ROLLBACK or FORCE APPLICATION.

ADM1824W DB2 cannot delete the log file *filename*. User must manually delete the log file.

ADM1825W DB2 cannot create the next log file because of a user exit problem.

ADM1826E DB2 cannot continue because the disk used for logging is full.

ADM1827E There is no space left on raw device used for logging. User must make an offline backup of the database.

ADM1828C DB2 will attempt to create the log file again in 5 minutes.

ADM1830E The active log path is set to the default value.

ADM1831E DB2 was unable to execute user exit program when retrieving log file *logFilename* to *dirPath* for database *DBName*. The error code was *returnCode*. Verify the user exit program by manually running it.

ADM1832E DB2 was unable to find the user exit program when archiving log file *logFilename* from *dirPath* for database *DBName*. The error code was *returnCode*.

ADM1833E The user exit program returned an error when archiving log file *logFilename* from *dirPath* for database *DBName*. The error code was *returnCode*.

ADM1834E DB2 was unable to find the user exit program when retrieving log file *logFilename* to *dirPath* for database *DBName*. The error code was *returnCode*.

ADM1835E The user exit program returned an error when retrieving log file *logFilename* to *dirPath* for database *DBName*. The error code was *returnCode*.

ADM1836W The table *tableID* (ID *tableID*) on *tablespaceName* (ID *tablespaceName*) is in DATALINK Reconcile Pending (DRP) state.

ADM1837W The table *tableName* (ID *tableID*) on *tablespaceName* (ID *tablespaceID*) is in DATALINK Reconcile Not Possible (DRNP) state.

ADM1838W An application is waiting for a lock held by an indoubt transaction. This will cause the application to wait indefinitely. Use the LIST INDOUBT TRANSACTION command to investigate and resolve the indoubt transactions.

ADM1839W An error occurred while DB2 was writing log data to log file *logFile* on path *logPath1*. The log file is still available on log path *logPath2*. DB2 will attempt to use both paths for subsequent log files. In the meantime, check that the specified log path in which the error occurred exists and is accessible. Also check that there is space available in the file system.

ADM1840W The error on log path *logPath* has been resolved. DB2 will now write log files to this path.

ADM1841W DB2 was unable to locate log *logNumber* while attempting to archive it. Your existing recovery strategy may not work if the missing log file is required during recovery. A database backup is required to ensure the recoverability of the database. However, the backup should be taken after the First Active Log file (LOGHEAD) DB configuration parameter is beyond the log specified above. You might want to consider deactivating the database now to have the First Active Log file (LOGHEAD) move up, and then take a backup.

ADM2000E The Event Monitor *eventMonitor* was deactivated because it encountered an I/O error.

ADM2001W The Event Monitor *eventMonitor* was deactivated because the MAXFILES and MAXFILESIZE CREATE EVENT MONITOR parameters' limits have been reached.

ADM2002E The Event Monitor *eventMonitor* was deactivated when the process reading from the target pipe had disconnected.

ADM2003W The Event Monitor *eventMonitor* was not activated because the limit on the number of active event monitors has already been reached.

ADM2004E The Event Monitor *eventMonitor* was not activated because there was not enough storage space in the database monitor heap. To remedy this problem, increase the MON_HEAP_SZ DBM configuration parameter.

ADM2005W The database monitor heap is exhausted. Increase the MON_HEAP_SZ DBM configuration parameter.

ADM2006W The database monitor heap is exhausted. Statement elements may be unreliable. Increase the MON_HEAP_SZ DBM configuration parameter.

ADM2007W The Event monitor was deactivated due to PCTDEACTIVE limit reached. To reactivate the Event Monitor, either increase the table space size or increase the PCTDEACTIVE threshold.

ADM2009C The Event Monitor *eventMonitor* detected on table *tableName* (ID *tableID*) that the column name *colName* is invalid.

ADM2010C The Event Monitor *eventMonitor* detected on table *tableName* (ID *tableID*) that the column *colName* is not allowed.

ADM2011C The Event Monitor *eventMonitor* detected on table *tableName* (ID *tableID*) that the column *colName* has an invalid *dataType* data type.

ADM2012C For table *tableName*, (ID *tableID*) the row size is bigger than the page size.

ADM2013C The Event Monitor *eventMonitor* detected on table *tableName* (ID *tableID*) that the column *colName* is incorrect. The first column must be PARTITION_KEY.

ADM2014W The Event Monitor *eventMonitor* detected on table *tableName* (ID *tableID*) that the size of the column *colName* is smaller than the default size of *defaultColumnSize*. Therefore, contents will be truncated to the user specified size.

ADM2015W The SQLCODE received from the remote target node is *SQLCODE*.

ADM2016W The table *tableName* (ID *tableID*) was not found.

ADM2500E A serious error has occurred at the database server *DRDAApplicationServer* which has made continued processing impossible. A dump has been generated. If the remote server is DB2 UDB for OS/390,zOS, check the console log for information about this error. If the remote server is DB2 UDB for iSeries, the job log of the server job, and/or a first failure data capture (FFDC) spooled file is usually necessary to determine the cause of the error. If the remote server is DB2 UDB for Unix/Windows, check the remote database server's administration log for information regarding this error.

ADM2501C The amount of data received for a data type at the database server did not match the amount which was expected. A dump has been generated. If the remote server is DB2 UDB for OS/390,zOS, check the console log for information about this error. If the remote server is DB2 UDB for iSeries, the job log of the server job, and/or a first failure data capture (FFDC) spooled file is usually necessary to determine the cause of the error. If the remote server is DB2 UDB for Unix/Windows, check the remote database server's administration log for information regarding this error.

ADM2502C The remote database server has encountered an error. If the remote server is DB2 UDB for OS/390,zOS, check the console log for information about this error. If the remote server is DB2 UDB for iSeries, the job log of the server job, and/or a first failure data capture (FFDC) spooled file is usually necessary to determine the cause of the error. If the remote server is DB2 UDB for Unix/Windows, check the remote database server's administration log for information regarding this error.

ADM2503C A datastream parsing error has been detected. A dump has been generated.

ADM2504C The LOB data type is not supported on this database server. APAR fixes are required. If this database server is DB2 for OS/390 v6 and v7, apply the fixes for APARs PQ50016 and PQ50017. If the database server is DB2 for iSeries, any release prior to V5.1 is not supported. For DB2 for iSeries v5.1, the PTF for APAR 9A00531 must be applied. If the database server is DB2 for VM and VSE, contact IBM Support.

ADM2505E While DB2 was attempting to utilize sysplex support, a connection could not be established to the database server at SNA address *SNAAddress* due to an unknown cpic symbolic destination name *destName*. Check your SNA configuration and validate it with network support personnel or disable sysplex support at the DB2 Connect Server.

ADM3000C The network host entry *networkHostEntry* at line *lineNumber* of *db2nodes.cfg* cannot be resolved.

ADM3001C DB2 cannot create the intermediate socket directory *socketDirectory*. Check the permissions of this path.

ADM3003C The node *node* is no longer present in *db2nodes.cfg*, even though this node had existed when FCM had started up. This may indicate a communication failure.

ADM3006C The retry limit was reached while attempting to establish a connection to node *node*. DB2 will now initiate node recovery.

ADM3008C The connection with node *node* has been unexpectedly severed. DB2 will now initiate node recovery.

ADM3019C The link between node *node1* and node *node2* is broken. Check your switch and cables.

ADM3020C The number of FCM buffers is too small. This will impact communication between DB2 agents and lead to runtime errors. If this message persists, you should adjust the *FCM_NUM_BUFFERS* DBM configuration parameter.

ADM3021W VI is enabled on this node.

ADM4000W A catalog cache overflow condition has occurred. There is no error but this indicates that the catalog cache has exceeded the configured maximum size. If this condition persists, you may want to adjust the *CATALOGCACHE_SZ* DB configuration parameter.

ADM4001I A failure has occurred while regenerating the view *viewName*.

ADM4002W The Event Monitor target table *targetTableName* (table schema *tableSchema*) already exists.

ADM4500W A package cache overflow condition has occurred. There is no error but this indicates that the package cache has exceeded the configured maximum size. If this condition persists, you may want to adjust the PCKCACHESZ DB configuration parameter.

ADM5500W DB2 is performing lock escalation. The total number of locks currently held is *locksHeld*, and the target number of locks to hold is *targetNumber*.

ADM5501I DB2 is performing lock escalation. The total number of locks currently held is *locksHeld*, and the target number of locks to hold is *targetNumber*. The current statement being executed is *currentStatement*.

ADM5502W The escalation of *numLocks* locks on table *tableName* to lock intent *lockIntent* was successful.

ADM5503E The escalation of *numLocks* locks on table *tableName* to lock intent *lockIntent* has failed. The SQLCODE is *SQLCODE*.

ADM5510E The table space *tableSpace* (ID *tableSpace*) is full. There is no more room in the internal object table of this table space.

ADM5511E The object *object* of table *tableName* has reached the maximum possible size.

ADM5520E The migration path is unsupported.

ADM5521C The table *tableName* is missing or it was truncated and was not migrated. Database migration will continue, but this table will be inaccessible.

ADM5530E The COMMIT processing of table *tableName* that used NOT LOGGED INITIALLY has been initiated. It is recommended that you take a backup of this table's table space(s).

ADM5550C The table space *tablespaceName* (ID *tablespaceID*) is being removed from the rollforward set. The SQLCODE is *SQLCODE*.

ADM5560C DB2 is unable to redo the reorganization of a table unless both the data table space *dataTablespaceName* (ID *dataTablespaceID*) and the long table space *LongTablespaceName* (ID *dataTablespaceID*) are being rolled forward together. Ensure that both of the table spaces are being rolled forward together, or restore a backup image taken after the reorganization to eliminate the need for reorganization to be redone.

ADM5561C DB2 is unable to redo the reorganization of a table unless both the data table space *dataTablespaceName* (ID *dataTablespaceID*) and the long table space *longTablespaceName* (ID *dataTablespaceID*) are at the same point in time. Ensure that a backup of both table spaces are either from before the table reorganization (so that it can be redone) or from after the table reorganization (so that it does not have to be redone).

ADM5562C DB2 is unable to undo the in-place reorganization of a table unless both the data table space *dataTablespaceName* (ID *dataTablespaceID*) and the index table space *indexTablespaceName* (ID *dataTablespaceID*) are being rolled forward together. Ensure that both table spaces are being rolled forward together.

ADM5570W Access was attempted on an unavailable table *tableName*. This table must be dropped.

ADM5571W DB2 is marking object *object of table tableName* unavailable. This table will have to be dropped.

ADM5572I The index(es) on table *tableName* are marked invalid and will require rebuilding. DB2 will automatically rebuild the index(es) on this table, which will result in a super exclusive Z table lock for the duration of the rebuild and the unit of work in which this is done.

ADM5580W The table space with ID *tablespaceID* either does not exist or is not in the set of table spaces being recovered. Recovery will continue, but filtering of this table space or tables/objects in this table space will be ignored.

ADM5581W DB2 has successfully filtered table space with ID *tablespaceID*, object ID *object-ID*.

ADM5582C Internal error *error* occurred while attempting to filter table space ID *tablespaceID*, object ID *objectID*.

ADM5583W The total allotted time of 16.7 hours per Data Links Manager has been exceeded.

ADM5590E The specified INPLACE table reorganization action on table *tableName* is not allowed on this node because of SQLCODE -2219 reason code *reasonCode*.

ADM6001I A container was renamed based on the rules defined in the path rename configuration file *configFile*. The container *oldName* has been renamed to *newName*.

ADM6002E A container path of an invalid length was specified. The path specified was *containerName*. Refer to the documentation for SQLCODE -297.

ADM6003I A container was not renamed because it was not affected by the rules defined in the path rename configuration file *configFile*. Its name remains as *conname*.

ADM6014W EXTENDED STORAGE is enabled for use with the database but no buffer pools are configured to use it. Memory for EXTENDED STORAGE will not be allocated. If buffer pools may be configured to use it in the future then it is recommended that this message be ignored. EXTENDED STORAGE can be disabled by changing the NUM_ESTORE_SEGS database configuration parameter.

ADM6015W EXTENDED STORAGE is disabled for the database but one or more buffer pools are configured to use it. If EXTENDED STORAGE may be enabled in the future then it is recommended that this message be ignored. EXTENDED STORAGE can be enabled by changing the NUM_ESTORE_SEGS database parameter.

ADM6016W EXTENDED STORAGE is enabled for the database but it is not supported on this platform. These settings will be ignored and memory for EXTENDED STORAGE will not be allocated. EXTENDED STORAGE can be disabled by changing the NUM_ESTORE_SEGS database configuration parameter.

ADM6017E The table space *tablespaceName* (ID *tablespaceID*) is full. Detected on container *contPath* (ID *containerID*). The underlying file system is full or the maximum allowed space usage for the file system has been reached. It is also possible that there are user limits in place with respect to maximum file size and these limits have been reached.

ADM6018I Unmounting filesystem at *directory-path*.

ADM6019E All pages in buffer pool *bpname* (ID *bpid*) are in use. Refer to the documentation for SQLCODE -1218.

ADM6020I Leaving mounted filesystem used for *contPath*.

ADM6022W Asynchronous drop of a temporary table failed. The resources associated with this table will not be freed until next database startup. You are advised to restart the database for this reason. You are also advised to contact IBM support to determine the reason for the failure.

ADM6023I The table space *tablespaceName* (ID *tablespaceID*) is in state *0xtablespaceState*. The table space cannot be accessed. Refer to the documentation for SQLCODE -290.

ADM6024C The database cannot be restarted because table spaces cannot be brought ONLINE as a result of an outstanding WRITE SUSPEND. To restart the database specify WRITE RESUME on the RESTART DATABASE command.

ADM6025I The table space *tsname* (ID *tsid*) is in state *0xstate*. operation is not possible. Refer to the documentation for SQLCODE -290.

ADM6027E AWE is not being used for buffer pool *bpname* (ID *bpid*) due to an AWE initialization failure. Ensure that AWE is configured correctly on the operating system platform and for use with DB2.

ADM6028W The registry variable setting *regvarstr* was ignored because of an out of memory condition that did not permit the processing of the registry variable setting.

ADM6029W The registry variable setting (*regvarstr*) was ignored because the specified setting is invalid.

ADM6030W AWE is not being used for buffer pool ID *bpid* because the registry variable setting in DB2_AWE (*regvarstr*) is invalid. This buffer pool or its size parameters specified in the registry variable are invalid.

ADM6031W EXTENDED STORAGE was configured for use with buffer pool *bpname* (ID *bpid*) but this configuration will be ignored because AWE is enabled for the database. EXTENDED STORAGE should be disabled and buffer pools should be configured not to use it.

ADM6032W Buffer pool *bpname* (ID *bpid*) which is configured to be block based will not be made block based because AWE is in use for the specified buffer pool.

ADM6033E AWE initialization failed. AWE settings will be ignored. Ensure that AWE is configured correctly on the operating system platform and for use with DB2. Buffer pools will be using sizes defined in the catalogs.

ADM6034W EXTENDED STORAGE was configured for use with buffer pool *bpname* (ID *bpid*) but this configuration will be ignored because the DB2_OVERRIDE_BPF registry variable is set. This registry variable is only meant to be used under the direction of IBM support.

ADM6035W Scattered read could not be used because the registry variable DB2NTNOCACHE was not set. Set the DB2NTNOCACHE registry variable to enable scattered read.

ADM6036W EXTENDED STORAGE is being used for multiple page sizes. Performance may not be optimal. Refer to the DB2 documentation for more information regarding the use of EXTENDED STORAGE.

ADM6037W Container *path* was created to be *userBytes* KB in size on a device that is *userBytes* KB in size. Extra storage will be wasted. The container can be extended to use the wasted space by using ALTER TABLESPACE.

ADM6038E Unable to perform an operation on container *path* because it does not exist in table space *tsname* (ID *tsid*). Refer to the documentation for SQLCODE -298.

ADM6039E Invalid stripe set *sset* specified in ALTER TABLESPACE for table space *tsname* (ID *tsid*). Maximum stripe set in table space is *maxsset*.

ADM6040E Invalid container size specified for container *contpath*. The number of pages specified for use is too large. Refer to the documentation for SQLCODE -1422.

ADM6041E An operation for table space *tsname* (ID *tsid*) was not successful because the size of a REGULAR or USER TEMPORARY table space cannot exceed *maxPages* pages. Refer to the documentation for SQLCODE -1139.

ADM6042E An operation for table space *tsname* (ID *tsid*) was not successful because the size of a LONG or SYSTEM TEMPORARY table space cannot exceed 2 TB.

ADM6044E The DMS table space *tsname* (ID *tsid*) is full. Additional space can be added to the table space by either adding new containers or extending existing ones using the ALTER TABLESPACE SQL statement.

ADM6045I WRITE_SUSPEND state has been removed from table space *tsname* (ID *tsstate*) because the WRITE RESUME option was issued.

ADM6046I Multi-page file allocation already enabled. Enabling it again has no effect.

ADM6047W The table space *tsname* (ID *tsid*) is in the DROP_PENDING state. The table space will be kept OFFLINE. The table space state is *0xstate*. This table space is unusable and should be dropped.

ADM6048I The table space *tsname* (ID *tsid*), which was previously OFFLINE has been brought back ONLINE. The table space state is *0xstate*.

ADM6049E The database cannot be restarted because one or more table spaces cannot be brought online. To restart the database specify the "DROP PENDING TABLESPACES" option on the RESTART DATABASE command. WARNING! PUTTING A TABLESPACE INTO THE DROP PENDING STATE MEANS THAT NO FURTHER ACCESS TO THE TABLESPACE WILL BE ALLOWED. ITS CONTENTS WILL BE INACCESSIBLE THROUGHOUT THE REMAINDER OF THE LIFE OF THE TABLESPACE AND THE ONLY OPERATION THAT WILL BE ALLOWED ON IT IS "DROP TABLESPACE". There is no way in which it can be brought back. It is important that you consider the consequences of this action as data can be lost as a result. Before proceeding consult the DB2 documentation and contact IBM support if necessary. The table spaces to specify in the DROP PENDING TABLESPACES list are: *tsnames*.

ADM6050W The ALTER BUFFERPOOL statement for buffer pool *bpname* (ID *bpid*) was successful but could not be performed immediately because of insufficient memory. The change will take effect on the next database startup. Refer to the documentation for SQLCODE 20189.

ADM6051E Reorg failure has occurred during RESTART DATABASE (Crash Recovery). An index will fail to be recreated because the associated table is in a table space that is in DROP_PENDING. To prevent this failure, set the INDEXREC database configuration parameter to "ACCESS" to delay index recreation until RESTART DATABASE completes.

ADM6052E Invalid container size specified for container *contpath* in ALTER TABLESPACE. The number of pages specified for use is too small. Refer to the documentation for SQLCODE -1422.

ADM6053W The CREATE BUFFERPOOL statement for buffer pool *bpname* (ID *bpid*) could not be performed immediately because not enough free memory existed in the database shared memory. The bufferpool will be created on the next database restart. Refer to the documentation for SQLCODE 20189.

ADM6054I DB2DART encountered table space *tsname* (ID *tsid*) which is currently not accessible. Since DB2DART is a diagnostic utility it will continue working on this table space.

ADM6055I Page *pagenum* was requested from table space *tsname* (ID *tsid*) but is not yet available because a rebalance which is in progress on this table space has not yet made that space useable. The requestor will wait for the page to become available.

ADM6056I Prefetch queue full has been encountered. A prefetch request has not been queued as a result and performance will not be optimal. Reconsider the prefetcher configuration (NUM_IOSERVERS, PREFETCHSIZE) and number of containers in each table space.

ADM6057I Prefetch queue full has been encountered. Agent will wait for space to free up on the queue and thus performance will not be optimal. Reconsider the prefetcher configuration (NUM_IOSERVERS, PREFETCHSIZE) and number of containers in each table space.

ADM6058I Rebalancer for table space *tsname* (ID *tsid*) was started.

ADM6059I Rebalancer for table space *tsname* (ID *tsid*) was restarted.

ADM6061I Rebalance for table space *tsname* (ID *tsid*) stopping. The last extent moved by the rebalance was *lastext*.

ADM6062I Rebalance for table space *tsname* (ID *tsid*) has been completed.

ADM6063I Rebalance for table space *tsname* (ID *tsid*) has been paused.

ADM6064I Rollforward is waiting on rebalance of table space *tsname* (ID *tsid*) to complete.

ADM6065I An attempt was made to remove the OFFLINE state from table space *tsname* (ID *tsid*) but it was not offline. This command will be ignored. The table space state is *0xtsstate*.

ADM6066I An attempt was made to remove the OFFLINE state from table space *tsname* (ID *tsid*) but the action was not successful and so the table space will remain in this state. The table space state is *0xtsstate*. Refer to the documentation for SQLCODE -293.

ADM6067W The specified AWE *win/phys* size for buffer pool ID *bpid*. was lower than the allowable minimum. It has been raised to the allowable minimum of *newsiz*.

ADM6068I The buffer pool *bpname* (ID *bpid*) is using AWE. Physical size is *physize*. Window size is *windowSize*.

ADM6069W Buffer pool *bpname* (ID *bpid*) has a NUMBLOCKPAGES value of *oldNumBlockPages* which exceeds the maximum supported value for a buffer pool of this size. The NUMBLOCKPAGES value for this buffer pool has been reduced to *newNumBlockPages* for its current activation. The value of NUMBLOCKPAGES can be permanently changed by using the ALTER BUFFERPOOL SQL statement.

ADM6070W Buffer pool *bpname* (ID *bpid*) has a NUMBLOCKPAGES value of *numBlockPages*. This value is smaller than the smallest allowable value for NUMBLOCKPAGES which is the BLOCKSIZE of *blockSize*. As a result the buffer pool will not be made block based for its current activation. The value for NUMBLOCKPAGES can be permanently changed by using ALTER BUFFERPOOL SQL statement.

ADM6071I The maximum number of pinned pages allowed concurrently was reached in buffer pool *bpname* (ID *bpid*). As a result performance may not be optimal. Increasing the SORTHEAP database configuration parameter may reduce the chances of this condition occurring in the future.

ADM6072W Disk full was encountered when writing out a temporary page from buffer pool *bpname* (ID *bpid*). The buffer pool cannot be decreased in size until all necessary pages have been written to disk. Refer to previous messages in the administration notification log for details regarding the disk full condition. DB2 will continue to retry writing this page to disk until the disk full condition is resolved.

ADM6073W The table space *tsname* (ID *tsid*) is configured to use buffer pool ID *ondiskBP*, but this buffer pool is not active at this time. In the interim the table space will use buffer pool ID *RTBP*. The inactive buffer pool should become available at next database startup.

ADM6074I An attempt was made to put table space *tsname* (ID *tsid*) in the WRITE_SUSPEND state but this table space is already in the WRITE_SUSPEND state.

ADM6075W The table space *tsname* (ID *tsid*) has been placed in the WRITE_SUSPEND state. All write I/O for this table space will be suspended until a WRITE RESUME is issued.

ADM6076W The table space *tsname* (ID *tsid*) which was previously in the WRITE_SUSPEND state is no longer in that state. Write I/O has been resumed to the table space.

ADM6077I An attempt was made to remove table space *tsname* (ID *tsid*) from the WRITE_SUSPEND state but this table space was not in the WRITE_SUSPEND state. Specifying WRITE RESUME has no effect in this case.

ADM6078W The following table spaces were specified on the RESTART DATABASE command to be placed in the DROP_PENDING state: *tsnames*.

ADM6079E The table space *tsname* (ID *tsid*), was in the ROLLFORWARD_IN_PROGRESS state but can no longer be accessed. The table space has been taken offline and put into the RESTORE_PENDING state.

ADM6080E The table space *tsname* (ID *tsid*), was put OFFLINE and in ROLLFORWARD_PENDING. Tablespace state is *oxtsstate*.

ADM6081W The table space *tsname* (ID *tsid*) is in the OFFLINE state and is not accessible. The table space state is *oxtsstate*. Refer to the documentation for SQLCODE -293.

ADM6500W The connection for the DATALINK file server *fileServer* has failed. The server is blocked.

ADM6501W The connection for the DATALINK file server *fileServer* has failed to restart.

ADM6502W The connection for the DATALINK file server *fileServer* has failed.

ADM6510W The DATALINK file server *fileServer* has not been registered.

ADM6511W The DATALINK file server *fileServer* is not active.

ADM6512W DB2 is unable to read from the DATALINK configuration file.

ADM6513W DB2 is unable to create the DATALINK configuration file *fileName*.

ADM6514W An error has occurred while DB2 was writing to the DATALINK configuration file.

ADM6515W An error has occurred while DB2 was closing the DATALINK configuration file.

ADM6516W DB2 is unable to open the DATALINK configuration file *fileName*.

ADM6517W Either an attempt to add a Data Links Manager of a type different than that of the existing Data Links Manager(s) (*typeOfServers*) or an attempt to add a second DFS Data Links Manager was made. All Data Links Managers for a database must be of the same type, and only one Data Links Manager of type DFS may be added.

ADM7000W An invalid SEARCH discovery protocol, *fileName*, was specified in the DISCOVER_COMM registry variable.

ADM7001E The DB2 function `sqlinstancepath` has failed. The instance path was not set. If you are on UNIX, check the DB2INSTANCE registry variable. If you are on Windows, check the DB2INSTANCE, DB2PATH, and DB2INSTPROF registry variables.

ADM7004E An invalid value (*value*) was specified for the DB2COMM registry variable.

ADM7005W The DISCOVER mode was set to SEARCH. However, the DISCOVER_COMM registry variable was not configured with any protocols.

ADM7006E The SVCENAME DBM configuration parameter was not configured. Update the SVCENAME configuration parameter using the service name defined in the TCP/IP services file.

ADM7007E The SVCENAME DBM configuration parameter, *socketAddress*, is configured with a port or a service name. When it is configured with a service name, the TCP/IP services files is used to map the service name to a port number. The port specified in this field is being used by another process. Resolve this problem by either deleting the process using the port or use another port.

ADM7008W The DB2TCPCONNMGRS registry variable value, *userValue*, is invalid. A valid value is from 1 to 8. A default DB2TCPCONNMGRS value of *defaultValue* has been used.

ADM7009E An error was encountered in the *protocolTCPIP* protocol support. A possible cause is that the maximum number of agents has been exceeded.

ADM7011E The Sync Point Manager does not support the version of Microsoft SNA Server installed on this machine. Minimum requirement is Microsoft SNA Server V4 Service Pack 3.

ADM7500W Instance quiesce has been requested.

ADM7501W Instance quiesce request has completed successfully.

ADM7502E Instance quiesce request has failed. The SQLCODE is *SQLCODE*.

ADM7503W Instance unquiesce request has completed successfully.

ADM7504W Instance unquiesce has been requested.

ADM7505E Instance unquiesce request has failed. The SQLCODE is *SQLCODE*.

ADM7506W Database quiesce has been requested.

ADM7507W Database quiesce request has completed successfully.

ADM7508E Database quiesce request has failed. The SQLCODE is *SQLCODE*.

ADM7509W Database unquiesce request has completed successfully.

ADM7510W Database unquiesce has been requested.

ADM7511E Database unquiesce request has failed. The SQLCODE is *SQLCODE*.

ADM7512E A transaction resynchronization error has occurred, contact IBM Support for assistance.

ADM7513W Database manager has started.

ADM7514W Database manager has stopped.

ADM7515W The concentrator has been enabled without directory caching support which may result in a performance penalty. To correct this problem, enable directory caching in the database manager configuration.

Explanation: Directory caching is a feature with relatively low overhead that is enabled by default in the engine. There are only a few valid reasons why a user may want to disable it. The concentrator configurations are particularly sensitive to having directory caching turned off because the dispatcher processes, which are the bottleneck for concentrator, could be potentially required to go to disk with every new connection.

User Response: Enable directory caching, or run in a non-concentrator configuration.

ADM7516W The MAX_CONNECTIONS configuration parameter has been set to *maxConnectionsValue*, but due to hardware limitations a maximum number of *actualValue* connections will be supported. You may be able to increase this limit by decreasing the NUM_DB database configuration parameter.

Explanation: On non-threaded (UNIX) platforms, the concentrator scalability is bounded by the maximum number of file-descriptors available to an individual process. Different operating systems allow various levels of flexibility in this parameter, and hence each operating system will have a different physical limit on the maximum number of connections supported. The defined range of MAX_CONNECTIONS (1..64000) should be supported, but in cases where it isn't, the default value at runtime will be used.

Additionally, the NUM_DB DB configuration parameter affects the way file descriptors are allocated, and reducing this configuration parameter will free up file descriptors and thus will increase the limits on the number of connections that can be supported.

User Response: If possible, lower the NUM_DB DB configuration parameter to increase the physical limit on the number of connections. If the warning still occurs, lower the MAX_CONNECTIONS parameter to the specified physical limit in the warning.

ADM7517W When the concentrator is enabled, the maximum number of applications per application group in the database *databaseName* will be limited to *maxApp*. To correct this problem, decrease the value of the APPGROUP_MEM_SZ configuration parameter.

ADM7518C *dbName* marked bad.

ADM7519W DB2 could not allocate an agent. The SQLCODE is *SQLCODE*.

ADM7520E Mount unmounted filesystem(s) has failed on node *nodeNum*. Manual remount is required before retrying migration. Check *errorFile* and remount the filesystems before retrying migration.

ADM7521E Unmount mounted filesystem(s) has failed on node *nodeNum*. Remount the unmounted filesystem(s) and try the database migration again.

ADM7522E Remount unmounted filesystem(s) to new mount points has failed on node *nodeNum*. Restart database migration is needed.

ADM7523E DB2 was unable to allocate the application group memory set. This will cause database activation to fail. Reduce the APPGROUP_MEM_SZ DB configuration parameter and retry.

ADM8000C Backup has been terminated. The SQLCODE returned is *SQLCODE*.

ADM8001W Incremental backup was not enabled for this database because the TRACKMOD DB configuration parameter was not enabled.

ADM8002W This backup image cannot be used for ROLLFORWARD because the logs associated with this backup has been overwritten on the raw device. Use a more recent backup image.

ADM8003C Restore has been terminated. The SQLCODE returned is *SQLCODE*.

ADM8004W Incremental backup was not enabled for table space *tablespaceName* (ID *tablespaceID*) because the TRACKMOD configuration parameter was not enabled.

ADM8005W Incremental backup was not enabled for table space *tablespaceName* (ID *tablespaceID*). A non-incremental backup of this table space is required.

ADM8006W DB2 cannot use the specified restore buffer size of *restoreBufferSize* 4K pages. A restore buffer size must be multiple of backup buffer size of *backupBufferSize* 4K pages. The restore operation will continue with the default buffer size.

ADM8007W DB2 cannot perform multiple concurrent incremental restores.

ADM8008W DB2 could not find and/or delete the online reorganization state files for all table spaces during restore. Manual intervention may be needed to remove the file(s).

ADM8009W Could not find and/or delete the online reorganization state files for table space *tablespaceName* (ID *tablespaceID*) during restore. Manual intervention may be needed to remove the file(s).

ADM8500W DB2 has failed to read from the history file because of a possible data corruption. Ensure that the file exists and is intact.

ADM8501W DB2 has failed to write to the history file because the disk is full.

ADM8502W The history file is corrupt. An unrecoverable error has been detected with the file. The existing file has been deleted and a backup has been made. If you would like to determine the root cause of the problem, contact IBM Support. Otherwise, no further action is needed.

ADM8503W DB2 was unable to record a history entry for operation *operation*.

ADM9000W Prefetching was disabled during sort merge; performance may be suboptimal. If this message persists, consider increasing the buffer pool size for temporary table space *tablespaceName* (ID *tablespaceID*) or increase the value of the SORTHEAP DB configuration parameter to reduce the extent of sort spilling.

ADM9500W Too many concurrent updates had occurred on table *tableName* (ID *tableID*) and table space *tablespaceName* (ID *tablespaceID*) during online index create/reorganization. Thus, it will take a longer time to finish online index create/reorganization. You may want to increase your UTIL_HEAP_SZ DB configuration parameter.

ADM9501W BEGIN online index reorganization on table *tableName* (ID *tableID*) and table space *tablespaceName* (ID *tablespaceID*).

ADM9502W END online index reorganization on table *tableName* (ID *tableID*) and table space *tablespaceName* (ID *tablespaceID*).

ADM9503W Online index reorganization proceeds on index ID *indexID* in table *tableName* (ID *tableID*) and table space *tablespaceName* (ID *tablespaceID*).

ADM9504W Online index reorganization on table *tableName* (ID *tableID*) and table space *tablespaceName* (ID *tablespaceID*) failed on this node with SQLCODE *SQLCODE* reason code *reasonCode*. To resolve this problem, re-submit the REORG INDEXES command on the failing node(s).

ADM9505W Online index reorganization on table *tableName* (ID *tableID*) and table space *tablespaceName* (ID *tablespaceID*) has been switched to offline mode because the indexes are marked for rebuild. These indexes may have been marked for rebuild during a roll forward through an index creation and/or recreation. If this is the case, consider setting the INDEXREC database manager configuration parameter to RESTART. This will cause indexes that are marked for rebuild during roll forward to be rebuilt during RESTART DATABASE processing.

ADM10000W A Java exception has been caught. The Java stack traceback has been written to the *db2diag.log*.

ADM10500E Health indicator *Health-Indicator-Short-Description* (*Health-Indicator-Short-Name*) **breached the** *Threshold-Bound-Name* **alarm threshold of** *Threshold-Bound-Value* **with value** *Health-Indicator-Value* **on** *Monitored-Object-Type* *Monitored-Object-Name*. **Calculation:** *Formula-String* = *Formula-with-Values* = *Health-Indicator-Value*. **History (Timestamp, Value, Formula):** *Health-Indicator-History-List*

Explanation: The health monitor generated an alert because the alarm threshold for this health indicator was breached. This situation should be addressed immediately as it can lead to a degradation in database performance or an interruption in operation.

User Response: You can use one of the following tools to obtain recommendations, and in some cases take actions, to resolve this alert.

Health Center:

If the Control Center tools are installed, you can launch this tool in one of the following ways:

- Start Menu on Windows
- Control Center toolbar
- command line as "db2hc"

Health indicator description, recommended actions, and links to tools to effect the actions are provided.

Web Health Center:

If the Web-based tools are installed, then you can launch this tool from a web browser using the URL provided to you by your web administrator.

Health indicator description, recommended actions, and some links to tools to effect the actions are provided.

Command Line Processor (CLP):

From the CLP, you can obtain the Health indicator description and recommended actions by executing the following commands:

- GET RECOMMENDATIONS FOR HEALTH INDICATOR *Health-Indicator-Short-Name*
- GET DESCRIPTION FOR HEALTH INDICATOR *Health-Indicator-Short-Name*

ADM10501W Health indicator *Health-Indicator-Short-Description* (*Health-Indicator-Short-Name*) **breached the** *Threshold-Bound-Name* **warning threshold of** *Threshold-Bound-Value* **with value** *Health-Indicator-Value* **on** *Monitored-Object-Type* *Monitored-Object-Name*. **Calculation:** *Formula-String* = *Formula-with-Values* = *Health-Indicator-Value*. **History (Timestamp, Value, Formula):** *Health-Indicator-History-List*

Explanation: The health monitor generated an alert because the warning threshold for this health indicator was breached. This condition

does not necessarily require immediate attention, but rather it may lead to a degradation in database performance or an interruption in operation if the condition worsens over time.

User Response: You can use one of the following tools to obtain recommendations, and in some cases take actions, to resolve this alert.

Health Center:

If the Control Center tools are installed, you can launch this tool in one of the following ways:

- Start Menu on Windows
- Control Center toolbar
- command line as "db2hc"

Health indicator description, recommended actions, and links to tools to effect the actions are provided.

Web Health Center:

If the Web-based tools are installed, then you can launch this tool from a web browser using the URL provided to you by your web administrator.

Health indicator description, recommended actions, and some links to tools to effect the actions are provided.

Command Line Processor (CLP):

From the CLP, you can obtain the Health indicator description and recommended actions by executing the following commands:

- GET ALERT RECOMMENDATION FOR
Health-Indicator-Short-Name
- GET ALERT HEALTH INDICATOR
DESCRIPTION FOR *Health-Indicator-Short-
Name*

ADM10502W Health indicator

*Health-Indicator-Short-Description
(Health-Indicator-Short-Name) is in
state Health-Indicator-Value on
Monitored-Object-Type
Monitored-Object-Name.*

Explanation: The health monitor generated an alert because the state value of this health indicator was non-normal. This condition does not necessarily require immediate attention, but rather it will depend on the expected state of the database given operations being performed on it at the time, and the prevailing workload.

User Response: You can use one of the following tools to obtain recommendations, and in some cases take actions, to resolve this alert.

Health Center:

If the Control Center tools are installed, you can launch this tool in one of the following ways:

- Start Menu on Windows
- Control Center toolbar
- command line as "db2hc"

Health indicator description, recommended actions, and links to tools to effect the actions are provided.

Web Health Center:

If the Web-based tools are installed, then you can launch this tool from a web browser using the URL provided to you by your web administrator.

Health indicator description, recommended actions, and some links to tools to effect the actions are provided.

Command Line Processor (CLP):

From the CLP, you can obtain the Health indicator description and recommended actions by executing the following commands:

- GET ALERT RECOMMENDATION FOR
Health-Indicator-Short-Name

- GET ALERT HEALTH INDICATOR
DESCRIPTION FOR *Health-Indicator-Short-Name*
-

ADM10503I The health monitor has initiated an alert action, running *Alert-Action-Type Alert-Action-Name* on system *System-Name*, because the Health Indicator *Health-Indicator-Short-Description (Health-Indicator-Short-Name)* is in the *Alert-State* alert state on *Monitored-Object-Type Monitored-Object-Name*.

Explanation: The health monitor was configured to initiate the action when the health indicator is in this alert state. This message is an indication that the action was indeed initiated.

User Response: No action is required.

ADM10504E The health monitor failed, with sqlcode *SQLCODE*, to initiate an alert action, running *Alert-Action-Type Alert-Action-Name* on system *System-Name*, when the Health Indicator *Health-Indicator-Short-Description (Health-Indicator-Short-Name)* went into the *Alert-State* alert state on *Monitored-Object-Type Monitored-Object-Name*.

Explanation: The health monitor was configured to initiate the action when the health indicator is in this alert state, but received this *SQLCODE* when it called the API to execute the action. The alert action was not initiated.

User Response: Check the First Failure Service log (DB2DIAG.LOG) for a record detailing the failure.

ADM10505E The DB2 Service does not have the necessary authority to run the Health Monitor. The Health Monitor has been shut down. If the service is configured to log on using the Local System account (SYSTEM), then it must be changed to log on with a particular user account. If it is configured to log on with a particular user account, then you must ensure that the user account is valid and has the necessary access rights to run the DB2 service. Once the log on configuration has been corrected, it is necessary to restart the DB2 service to start the Health Monitor.

ADM10506E The health monitor is unable to send an alert notification because the SMTP Server (*smtp_server*) DB2 Administration Server configuration parameter is not set. Update the *smtp_server* configuration parameter with the name of a valid SMTP server.

Explanation: The health monitor was configured to send notifications upon alert occurrence, but was unable to send the notification because no SMTP server name was specified for the SMTP Server DAS configuration parameter.

User Response: Update the *smtp_server* configuration parameter with the name of a valid SMTP server.

ADM10507E The health monitor was unable to send an alert notification because the server *SMTP-Server-Name*, specified in the SMTP Server DB2 Administration Server configuration parameter (*smtp_server*), does not appear to be an SMTP server. Ensure that a valid SMTP server name is specified in the DB2 Administration Server configuration.

Explanation: The health monitor was configured to send notifications upon alert occurrence, but was unable to send the notification because the server specified in the DB2 Administration Server configuration does not have SMTP server functionality.

User Response: Ensure that a valid SMTP server name is specified in the DB2 Administration Server configuration for the *smtp_server* parameter.

ADM10508E The health monitor was unable to send an alert notification because invalid recipient(s) were specified in the health notification list which contains *Notification-List*. Update the Contact record with the invalid address.

Explanation: The health monitor was configured to send notifications upon alert occurrence, but was unable to send the notification because one or more addresses for the contacts specified on the health notification list are invalid.

User Response: Check the Contact record for the contacts specified for health notification and update the invalid recipient address.

ADM10509E The health monitor was unable to send an alert notification because the notification was sent by an invalid Sender with the address *Sender-Address*. Look at the SMTP server configuration. If all the settings are correct, contact DB2 Support.

Explanation: The health monitor was configured to send notifications upon alert occurrence, but was unable to send the notification because the Sender address was rejected as unacceptable by the SMTP server. The Sender address has the format *<instance name>@<host>*, where 'instance' is running on 'host'.

User Response: Look at the SMTP server configuration. If all the settings are correct, contact DB2 Support.

ADM10510E The health monitor was unable to send an alert notification because the SMTP server issued the following error: *SMTP_ERROR*. Check the SMTP server documentation for information on the error code that was returned. If the problem cannot be remedied, contact DB2 Support.

Explanation: The health monitor was configured to send notifications upon alert occurrence, but was unable to send the notification because the SMTP server encountered an error.

User Response: Check the SMTP server documentation for information on the error code that was returned. If the problem cannot be remedied, contact DB2 Support.

ADM10511E The health monitor was unable to send an alert notification because there was a communication error with the SMTP server. Check the First Failure Service log (DB2DIAG.LOG) for a record detailing the failure.

Explanation: The health monitor was configured to send notifications upon alert occurrence, but was unable to send the notification because there was a communication error when trying to reach the SMTP server.

User Response: Check the First Failure Service log (DB2DIAG.LOG) for a record detailing the failure.

Chapter 3. ASN messages

This section contains the messages issued by DB2 replication for the replication programs on all of the database management systems except DB2 for iSeries. The messages are listed in numeric sequence.

ASN0004E CAPTURE *capture_schema*. The Capture program could not start the trace. The return code is *return_code*. The reason code is *reason_code*.

Explanation: An error occurred when the START TRACE DB2 command was issued, or when the Capture program read the DB2 log.

User Response: See the DB2 Codes section in the messages and codes documentation of the DB2 database manager on your operating system to find the appropriate reason code. For more information, see either of the following administration documentation: the Call Attachment Facility (CAF) for START TRACE DB2 errors, or the Instrumentation Facility Interface (IFI) for DB2 log read errors, or contact your DBA. If the CAF or the IFI returned a message, it is also printed on the system display console.

ASN0005E CAPTURE *capture_schema*. The Capture program encountered an error when reading the DB2 log. The log sequence number is *lsn*, the SQLCODE is *sql_return_code*, and the reason code is *reason_code*.

Explanation: An error occurred when the Capture program read the DB2 log. There might be an SQL error.

- For DB2 Replication, the *sqlcode* value is for the Asynchronous Read Log API.
- For Capture for VSE, the *sqlcode* is for the VSE/VSAM GET macro.
- For Capture for VM, the *sqlcode* is for Diagnose X'A4'.

User Response: See the DB2 Codes section in

the messages and codes documentation of the DB2 database manager on your operating system for the appropriate reason code, as suggested below:

- For Capture program for z/OS, see the Instrumentation Facility Interface (IFI) section in the administration documentation of the DB2 database manager on your operating system, or contact your DBA.
- For Capture for VSE, see the VSE/VSAM Commands and Macros, VSE/ESA System Macro Reference, and VSE/ESA V2R3 Messages and Codes manuals for more information.
- For VM/ESA, see the VM/ESA Programming Services for more information.
- For Capture on Linux, Windows, UNIX, and OS/2, see the active and archived database logs administration documentation for DB2 Universal Database, or contact IBM Software Support.

ASN0006E CAPTURE *capture_schema*. The Capture program encountered an unexpected log error of unknown log variation.

Explanation: An unexpected log error occurred when the Capture program was processing the DB2 log records, and was not reported by either of the following interfaces:

- The Instrumentation Facility Interface (IFI) for Capture program for z/OS
- The Asynchronous Read Log API for the Capture program

The Capture program could not determine which type of SQL update was associated with the log record.

User Response: Contact IBM Software Support.

ASN0008I CAPTURE *capture_schema*. The Capture program was stopped.

Explanation: The Capture program has stopped.

User Response: This message is for your information only, and no action is required.

ASN0009E CAPTURE *capture_schema*. The registered source table *src_owner.src_table* does not have the DATA CAPTURE CHANGES attribute.

Explanation: When attempting to initialize a registration, the Capture program encountered a source table that is incorrectly defined. The Capture program cannot process the log records associated with a source table if the DATA CAPTURE CHANGES attribute of the source table is not set. This registration is not valid and typically occurs only if you generated this registration outside of the supplied administration tools. This message is issued during a Capture program warm start or when the first CAPSTART signal is received for a subscription set against this registration. If this error occurs during the processing of a CAPSTART signal, the Capture program does not activate the registration. If this error occurs during a reinitialization (from a warm start or a reinit capture command), the Capture program places the registration in the "stopped" state, indicating that you must repair the registration before the Apply program can resynchronize the associated subscription sets.

User Response:

1. Alter the source table to turn on data capture changes. For example:
 - *alter table regress.table3 data capture changes*
2. If the registration has been deactivated by the Capture program (state = stopped), update the registration to set the state to inactive.
3. Use the Replication Center to force the Apply program to perform a full refresh for all subscription sets that replicate from this source table.

ASN0011E CAPTURE *capture_schema*. The Capture program log read failed because the DB2 compression dictionary that was used to create the compressed log record no longer exists. The log record that could not be read was for the registered source table *src_owner.src_table*. The reason code is *reason_code*.

Explanation: The Capture program received a nonzero response code from the DB2 log read IFI. The response code indicates that the data on a log record cannot be processed because the compression dictionary for the corresponding DB2 table space is not available.

The compressed table space containing this source table was probably reorganized by the REORG utility that ran without the KEEPDICTIONARY option. The Capture program must deactivate this registration, because the remaining compressed log records cannot be read. The Capture program cannot continue unless this registration is deactivated or removed. This error does not cause the Capture program to terminate.

User Response: See the Maintaining your replication environment chapter for restrictions about compressed table spaces and for more information about deactivated registrations and corresponding full refreshes by the Apply programs.

ASN0013E CAPTURE *capture_schema*. The Capture program required a column that was not defined in the change data (CD) table. The table name is *table_name*.

Explanation: A required column in the change data table is not defined.

User Response: Ensure that the change data table definition is correct. Refer to the Tables structures documentation in the DB2 Replication Guide and Reference for more information.

ASN0019E **CAPTURE** *capture_schema*. **The Capture program libraries are not authorized for the Authorized Program Facility (APF).**

Explanation: The Capture program cannot start.

User Response: Authorize the Capture link library for APF, and restart the program.

ASN0020I **CAPTURE** *capture_schema*. **Netview Generic Alerts Interface failure. The Netview return code is *return_code*.**

Explanation: The Network Major Vector Transport (NMVT) could not be sent to Netview by the program because the program interface failed. This is a secondary informational message.

User Response: See the Netview programming documentation for a description of the return code to determine the interface error. The Capture program alerts are not received by the System Services Control Point (SSCP) until the error is corrected.

ASN0021I **CAPTURE** *capture_schema*. **Netview Program to Program Interface unavailable. The Netview return code is *return_code*.**

Explanation: Netview is unavailable. This is a secondary informational message.

User Response: See the Netview programming documentation for a description of the return code to determine the Netview problem. For example, the subsystem might not have been started.

ASN0023I **CAPTURE** *capture_schema*. **The Capture program has been reinitialized and is capturing changes for *number* registrations. *Stopped_number* registrations are in a stopped state. *Inactive_number* registrations are in an inactive state.**

Explanation: A REINIT command was issued to the Capture program. The Capture program then tried to refresh all the internal control information for all the registrations.

User Response: If the Capture program is capturing changes for all the registrations, no action is required. Otherwise, examine the preceding error messages to determine the cause of the failure, and follow the suggested user response to repair the failing registration definition. After you repair the registration, re-issue the REINIT command to the Capture program.

ASN0028I **CAPTURE** *capture_schema*. **The Capture program is suspended by an operator command.**

Explanation: An operator command has suspended the Capture program, and the program has entered a wait state.

User Response: This message is for your information only, and no action is required.

ASN0029I **CAPTURE** *capture_schema*. **The Capture program is resumed by an operator command.**

Explanation: An operator command has resumed the Capture program from a suspended state, and the Capture program has continued running.

User Response: This message is for your information only, and no action is required.

ASN0031E CAPTURE *capture_schema*. The program parameter table IBMSNAP_CAPPARMS can have only one row.

Explanation: The Capture program parameters table was not defined correctly or has been updated with rows that are not valid.

User Response: Make sure that there is only one row in the IBMSNAP_CAPPARMS table. Refer to the Table structures documentation in the DB2 Replication Guide and Reference for additional information.

ASN0035E CAPTURE *capture_schema*. A row with an unsupported architecture level was found in the table IBMSNAP_REGISTER. The row is not valid and specifies CD table *cd_owner.cd_table*, and the architecture level is *arch_level*.

Explanation: The Capture program tried to initialize a registration and found that the registration definition contains an architecture level that is not valid. The Version 8 Capture program can use only registrations that are at the architecture level of *0801*. This registration is not valid and typically occurs if you generated this registration without using the Replication Center. This message is issued during Capture warm start or when the first CAPSTART signal is received for a subscription against this registration. This error does not cause the Capture program to terminate.

User Response: Refer to the Tables structures documentation in the DB2 Replication Guide and Reference to check the required value for the ARCH_LEVEL column in the register table. Verify that the value in the register table at the source server is correct. If the value is not correct, update the value of the architectural level of the registration and use compatible versions of the Replication Center and the Capture program.

ASN0049I CAPTURE *capture_schema*. A row for the SIGNAL_SUBTYPE CAPSTOP was inserted into the table IBMSNAP_SIGNAL.

Explanation: The Capture program received a signal to stop capturing data. The Capture program commits current work in progress and terminates.

User Response: This message is for your information only, and no action is required.

ASN0055E CAPTURE *capture_schema*. The Capture program encountered a column *column_name* with an unsupported SQLTYPE in table *table_name*.

Explanation: The Capture program tried to initialize a registration and found that the registration definition contains an unsupported SQL type such as an abstract type. This registration is not valid and typically occurs if you generate this registration outside of the supplied administration tools. This message is issued during Capture warm start or when the first CAPSTART signal is received for a subscription against this registration. This error does not cause the Capture program to terminate.

User Response: Remove this registration; it cannot be supported by DB2 replication.

ASN0057E CAPTURE *capture_schema*. The Capture program encountered error *errno* on operation for file *filename*.

Explanation: An error occurred when the Capture program was handling files. The Capture program terminates.

User Response: Ensure that the Capture program has correct access and security permissions for all required paths and files. Also, ensure that adequate space is available on your system. If you believe that this message was issued because of product failure, contact IBM Software Support for assistance.

ASN0058W **CAPTURE** *capture_schema*. The **MAP_ID** *mapid* in a CAPSTART row in the IBMSNAP_SIGNAL table does not correspond to any entry in the IBMSNAP_PRUNCNTL table.

Explanation: The value for the MAP_ID that is specified by the CAPSTART signal does not match any current value in the MAP_ID column of the IBMSNAP_PRUNCNTL table. The subscription set might have been deleted, or a user might have inserted the CAPSTART signal incorrectly.

User Response: If this CAPSTART was issued by a user, check that the MAP_ID for the Signal table insert is correct, and try again. If this CAPSTART signal was issued by the Apply program, verify that the subscription set still exists.

ASN0059W **CAPTURE** *capture_schema*. The **SYNCHPOINT** field in the IBMSNAP_PRUNCNTL table is not zeros for the CAPSTART of subscription with MAP_ID *map_id*.

Explanation: When the Apply program signals a full refresh to the Capture program, the Apply program inserts a row for the CAPSTART signal in the IBMSNAP_SIGNAL table. At the same time, the SYNCHPOINT column of the IBMSNAP_PRUNCNTL table is set to hex zeroes. The Capture program then responds to the Apply program to confirm that the Capture program received the CAPSTART signal, as follows: the Capture program sets the value for the SYNCHPOINT column in the IBMSNAP_PRUNCNTL table to the number of the log sequence that corresponds to the CAPSTART log record. Because the Apply program set the value in the SYNCHPOINT column to hex zeroes, the Apply program checks if a nonzero value has been inserted by the Capture program. The Capture program updates the value for SYNCHPOINT, even if the value was not hex zeroes. However, if the value for SYNCHPOINT is not hex zeroes, the Capture

program issues this warning that the value it found was not expected.

This warning can occur if you issue the APPLY CAPSTART signal yourself and do not completely simulate the actions of the Apply program.

User Response: This message is for your information only, and no action is required.

ASN0060E **CAPTURE** *capture_schema*. The **Capture program encountered an internal error** *error_code*.

Explanation: An unexpected error occurred in the Capture program. The Capture program terminates.

User Response: Contact IBM Software Support for assistance.

ASN0061E **CAPTURE** *capture_schema*. A **registration that is not valid has been found. Source table** *source_owner.source_table* **does not exist in the system catalog tables.**

Explanation: The Capture program tried to initialize a registration and found that the source table specified in the registration was not in the source system catalog. This message is issued during Capture warm start or when the Apply program issues the first CAPSTART signal for a subscription set that contains a registration that is not valid. This error does not cause the Capture program to terminate. The values for the columns *source_owner* and *source_table* in the Capture control table IBMSNAP_REGISTER might have been incorrectly specified, or the source table was dropped and no longer exists.

User Response: If the registration is in error, correct the values for the columns *source_owner* and *source_table*. If the source table no longer exists, then the registration is no longer valid and can be removed.

ASN0062E CAPTURE *capture_schema*. A registration that is not valid has been found. CD table *phys_change_owner.phys_change_table* does not exist in the system catalog tables.

Explanation: The Capture program tried to initialize a registration and found that the CD table specified in the registration was not in the source system catalog tables. This message is issued during Capture warm start or when the first CAPSTART signal is received for a subscription against this registration. This error does not cause the Capture program to terminate. The values for the columns *phys_change_owner* and *phys_change_table* in the Capture control table IBMSNAP_REGISTER might have been incorrectly specified, or the CD table was dropped and no longer exists.

User Response: If the registration is in error, correct the values in the columns *phys_change_owner* and *phys_change_table*. If the CD table no longer exists, then the registration is no longer valid and can be removed.

ASN0063E CAPTURE *capture_schema*. The source table *source_owner.source_table* associated with the subscription having MAP_ID *mapid* does not exist in the system catalog tables. The Capture program could not start capturing changes for this subscription.

Explanation: The Capture program tried to respond to a CAPSTART signal for a subscription and found that the source table which corresponds to the subscription was not in the source system catalog tables. This error message is issued when the first CAPSTART signal is received for a subscription that is not valid. This error does not cause the Capture program to terminate. The values for the columns *source_owner* and *source_table* in the Capture control table IBMSNAP_PRUNCNTL might have been incorrectly specified, or the source table was dropped and no longer exists.

User Response: If the subscription is in error, correct the values for the columns *source_owner* and *source_table*. If the source table no longer exists, then the subscription is no longer valid and can be removed.

ASN0064E CAPTURE *capture_schema*. The registration is not valid for an associated subscription having MAP_ID *mapid*. The Capture program cannot start capturing change data for this subscription.

Explanation: The Capture program tried to initialize a registration associated with a particular subscription and found that the registration contains one or more column values that are not valid. This message is issued when the first CAPSTART signal for a subscription is received against this registration. This error does not cause the Capture program to terminate. The values for the columns *phys_change_owner* and *phys_change_table* in the Capture control table IBMSNAP_REGISTER might have been incorrectly specified, or the CD table was dropped and no longer exists.

User Response: If the registration is in error, correct the values for the columns *phys_change_owner* and *phys_change_table*. If the registration is no longer needed, you can remove it.

ASN0065E CAPTURE *capture_schema*. A registration that is not valid has been found. The source table *source_owner.source_table* is not a local physical table.

Explanation: The Capture program tried to initialize a registration and found that the source table for the registration is not a local physical table, but is instead on a non-DB2 relational server that is used as a source and called by a nickname. When a non-DB2 relational server is used as a source, data from each server is captured through a trigger program. Each source table must be in its own register table built on the non-DB2 relational server. This message is issued during a Capture warm start or when the

first CAPSTART signal against this registration is received for a subscription. This error does not cause the Capture program to terminate. The registration has been created incorrectly in an IBMSNAP_REGISTER table in a DB2 database.

User Response: This registration must be rebuilt and made valid at the correct non-DB2 relational server.

ASN0066E CAPTURE *capture_schema*. A registration that is not valid has been found. The CD table *phys_change_owner.phys_change_table* is not a local physical table.

Explanation: The Capture program tried to initialize a registration and found that the CD table for the registration that corresponds to the subscription is a nickname for a non-DB2 relational database used as a source. This message is issued when the first CAPSTART signal is received for a subscription against this registration. This error does not cause the Capture program to terminate.

User Response: Non DB2 relational sources are captured through trigger programs, and must be in their own register table in the non DB2 relational source system. CCD tables for such sources are also created in the non DB2 relational source system. Somehow the non-DB2 relational source table registration has been incorrectly registered in a register table in a DB2 database. This registration must be rebuilt at the correct non-DB2 relational server.

ASN0067E CAPTURE *capture_schema*. The view registration associated with the subscription having MAP_ID *map_id* was not found in the table IBMSNAP_REGISTER. The Capture program could not start capturing change data for this subscription.

Explanation: The Capture program tried to initialize a registration and found that the view registration that corresponds to the subscription does not exist. This message is issued during Capture warm start or when the first CAPSTART

signal is received for a subscription against this registration. This error does not cause the Capture program to terminate. The values of the columns *source_owner*, *source_table*, and *source_view_qual* in the IBMSNAP_REGISTER or IBMSNAP_PRUNCNTL Capture control table could have been incorrectly specified. Therefore, either no match was found or the registration was dropped and no longer exists.

User Response: If the subscription or the registration is in error, correct the values in the columns *source_owner*, *source_table*, and *source_view_qual*. If the registration no longer exists, then the subscription is no longer valid and can be removed.

ASN0068E CAPTURE *capture_schema*. The insert statement is too long for CD table *phys_change_owner.phys_change_table*.

Explanation: The number of columns in the CD table is too large; the SQL INSERT statement exceeds the 32K Capture coding limit.

User Response: If all of the table columns are defined in the registration but only a subset of these columns are needed at the target, reduce the number of columns for that registration. Alternatively, split the table over two registrations so that each registration has a different subset of the table columns.

ASN0069E CAPTURE *capture_schema*. SQLCODE *sqlcode* was returned during an insert into the CD table *phys_change_owner.phys_change_table*. The CD table appears to have been dropped.

Explanation: The Capture program tried to insert a row into a CD table, and DB2 returned a SQLCODE indicating that the CD table no longer exists. The CD table could inadvertently have been dropped, or the whole registration could have been dropped. If there are still rows in the IBMSNAP_REGISTER table that refer to this CD table, the Capture program deactivates these registrations by setting the value of the CD_OLD_SYNCHPOINT column to NULL and

no longer attempts to capture changes for this CD table. This error does not cause the Capture program to terminate.

User Response: If the CD table no longer exists and is no longer required, the registration is no longer valid and should be removed. It is recommended that you deactivate the registration before you remove it. Any subscription sets associated with registrations that use this CD table should also be deactivated. Additionally, the associated subscription-set members should be removed so that these subscription sets can be activated and can run successfully.

ASN0070E **CAPTURE** *capture_schema*. The combination of column name *column_name* in the CD table *phys_change_owner.phys_change_table*, and the value of **BEFORE_IMG_PREFIX** *before_img_prefix* in the table **IBMSNAP_REGISTER** for this registration matches multiple column names in the source table. The ambiguity in the registration definition cannot be resolved by the Capture program.

Explanation: The Capture program tried to initialize a registration and found that a column within the CD table for the registration is ambiguous. The column could refer to either a before image for one source column or to an after image for another source column. This message is issued during Capture warm start or when the first CAPSTART signal is received for a subscription against this registration. This error does not cause the Capture program to terminate.

User Response: In the **IBMSNAP_REGISTER** table, change the current value in the **BEFORE_IMG_PREFIX** column to a character value that does not produce this ambiguity.

ASN0071E **CAPTURE** *capture_schema*. The data type attribute of the column *column_name* in the CD table *phys_change_owner.phys_change_table* is not compatible with the data type attribute of the corresponding source column.

Explanation: The Capture program tried to initialize a registration and found that a column within the CD table for the registration is not compatible with the corresponding source column. This message is issued during Capture warm start or when the first CAPSTART signal is received for a subscription against this registration. This error does not cause the Capture program to terminate.

User Response: Correct the CD table for this registration.

ASN0072E **CAPTURE** *capture_schema*. The before-image column *column_name* in the CD table *phys_change_owner.phys_change_table* must allow NULL values.

Explanation: The Capture program tried to initialize a registration and found that the before-image column within the CD table for the registration was not defined to accept null values. This message is issued during Capture warm start or when the first CAPSTART signal is received for a subscription against this registration. This error does not cause the Capture program to terminate.

User Response: Correct the CD table for this registration.

ASN0073E **CAPTURE** *capture_schema*. The specification *input_in* describing the CD table on a CAPSTOP signal is not valid.

Explanation: The Capture program found that the **INPUT_IN** value specified on the CAPSTOP signal is not in a valid format of *phys_change_owner.phys_change_table*. This error does not cause the Capture program to terminate, and no action is taken for this signal.

User Response: Ensure that the value of INPUT_IN matches the name of the CD table associated with the registration that you want to deactivate. Insert a new row into the IBMSNAP_SIGNAL table.

ASN0074E CAPTURE *capture_schema*. There is no row in the IBMSNAP_REGISTER table that corresponds to *src_owner.src_table* that is specified on a CAPSTOP signal.

Explanation: The Capture program found that the INPUT_IN value specified on the CAPSTOP signal is in a valid format, and there is no match for the value of *source_owner.source_table* in the registration table. This error does not cause the Capture program to terminate.

User Response: Correct the value of INPUT_IN, and insert the signal again.

ASN0075W CAPTURE *capture_schema*. The registration corresponding to the INPUT_IN, *src_owner.src_table* on a CAPSTOP signal was not capturing changes. No action is taken.

Explanation: The Capture program found that the INPUT_IN value specified on the CAPSTOP signal is in a valid format and matches the value of a *source_owner.source_table* in the registration table, but this registration is already inactive. This error does not cause the Capture program to terminate, and the Capture program takes no action for the signal.

User Response: This message is for your information only, and no action is required.

ASN0076I CAPTURE *capture_schema*. Capture has stopped capturing changes for source table *source_owner.source_table* in response to a CAPSTOP signal.

Explanation: The Capture program successfully deactivated a registration that was specified in a CAPSTOP signal.

User Response: This message is for your information only, and no action is required.

ASN0077E CAPTURE *capture_schema*. The values specified for the PHYS_CHANGE_OWNER and PHYS_CHANGE_TABLE columns in the IBMSNAP_PRUNCNTL table where MAP_ID = *mapid* are NULL or do not match a valid row in the IBMSNAP_REGISTER table.

Explanation: The Capture program tried to initialize a registration and found that the column values of PHYS_CHANGE_OWNER and PHYS_CHANGE_TABLE within the IBMSNAP_PRUNCNTL table for the subscription do not match a registration row in the IBMSNAP_REGISTER table. The message was issued during Capture warm start or when the first CAPSTART signal was received for a subscription against this registration. This error does not cause the Capture program to terminate.

User Response: Correct the values in the IBMSNAP_PRUNCNTL table for this subscription. If this subscription was built using the Replication Center, contact IBM Software Support to report a potential administration problem.

ASN0078E CAPTURE *capture_schema*. The before-image column *column_name* in the CD table *phys_owner.phys_table* has no corresponding after-image column in the CD table for this registration. The registration is not valid.

Explanation: The Capture program tried to initialize a registration and found a before-image column within the CD table of the registration that has no corresponding after-image column. This registration is not valid and typically occurs only if you generated this registration outside of the supplied administration tools. This message is issued during a Capture program warm start

or when the first CAPSTART signal is received for a subscription against this registration. This error does not cause the Capture program to terminate.

User Response: Correct the CD table for this registration by ensuring that before-image columns are included in the CD table only when the corresponding after-image column is also included.

ASN0079E **CAPTURE** *capture_schema*.
SQLCODE *sqlcode* **was returned during an update to the IBMSNAP_REGISTER table for the registrations associated with the CD table**
phys_change_owner.phys_change_table.
The rows might have been deleted.

Explanation: The Capture program tried to update the IBMSNAP_REGISTER table to indicate that data has been captured for the named CD table, and DB2 returned a SQLCODE indicating that the rows no longer exist. The registrations could have been dropped. This error does not cause the Capture program to terminate.

User Response: If the registration has been dropped, no further action is required for the registrations. When dropping registrations, it is recommended that you deactivate the registrations first. If the rows in the IBMSNAP_REGISTER table were inadvertently deleted, drop the associated CD table and rebuild the registrations. Deactivate any subscription sets that are associated with the registrations. If a registrations must be dropped, remove the associated subscription-set members so that these subscription sets can be activated and can run successfully. If the registrations are rebuilt, a signal is sent to the Apply program indicating that a full refresh should be performed for the associated subscription sets.

ASN0080E **CAPTURE** *capture_schema*. **A table space full condition has been encountered for CD table**
phys_change_owner.phys_change_table,
which is associated with the registration for source table
source_owner.source_table.

Explanation: The Capture program tried to process an insert into the named CD table but was unable to process the insert due to a table space full condition. Typically this condition results from insufficient space allocation for CD table spaces, infrequent pruning, or ineffective pruning. This error causes the Capture program to terminate.

User Response: Take the following steps to determine the cause of the table space full condition:

1. Ensure that sufficient space has been allocated to the table space for this CD table in order to accommodate normal processing conditions.
2. Ensure that pruning is performed often enough to reduce the storage requirements for the Capture control tables.
3. Ensure that the Apply programs are running often enough to accommodate normal pruning processing.
4. Verify that no subscription sets have been deactivated for a long period of time without taking the additional steps necessary for normal pruning.

Refer to the DB2 Replication Guide and Reference for additional information.

ASN0082W CAPTURE *capture_schema*. The Capture program encountered a registration with a column *column_name* in the CD table *phys_change_owner.phys_change_table* with a column length *CD_column_length* that is shorter than the length of the corresponding column in the source table *source_owner.source_table*, with a length of *src_column_length*.

Explanation: During the initialization of a registration, the Capture program found that the registration definition contains a column in the CD table with a column length that is shorter than the corresponding column length in the source table. This is not a recommended registration definition and typically occurs only if you generated or altered this registration outside of the supplied administration tools. The registration definition is allowed, but a warning message is issued to inform you that the captured source table data might not fit within the defined CD table column. This message is issued during a Capture program warm start or when the first CAPSTART signal is received for a subscription against this registration. The registration initializes successfully.

User Response: Unless there is a specific reason why you need to define the registration in this manner (for example, if you are certain that the length of the changed data will never be larger than the length of the CD table column), you should define the registration so that the source table and the CD table data definitions match exactly.

ASN0083E CAPTURE *capture_schema*. **SQLCODE** *sqlcode* was returned when trying to process an insert into the CD table *phys_change_owner.phys_change_table*. The CD table column *column_name* is too short and cannot contain the captured data from the corresponding column in the source table, *source_owner.source_table*. The registration has been stopped by the Capture program.

Explanation: The Capture program tried to process an insert into a CD table and encountered a SQLCODE from DB2 that indicates that the CD table contains a column that is shorter than the length of the corresponding column in the source table. This is not a recommended registration definition and typically occurs only if you generated or altered this registration outside of the supplied administration tools. This error does not cause the Capture program to terminate, but the registration is placed in the stopped state.

User Response: Re-evaluate this registration definition. Either alter the registration so that the lengths of the source table column and the CD table column match or add a trigger to the CD table to truncate the data.

ASN0084E CAPTURE *capture_schema*. The registration with the source table *source_owner.source_table* and the CD table *phys_change_owner.phys_change_table* has been stopped by the Capture program.

Explanation: This error message is issued any time that a registration is placed in the stopped state (with the STATE column set to a value of 'S' in the IBMSNAP_REGISTER table) by the Capture program. The reason for this action is described in one or more of the preceding messages.

User Response: Examine the preceding error messages to determine the cause of the failure,

and follow the suggested user response to repair the failing registration definition. After you repair the registration definition, you must manually set the value of the STATE column to 'I' in the IBMSNAP_REGISTER table to indicate that the registration can be used again by the Apply program.

ASN0100I CAPTURE *capture_schema*. The Capture program initialization is successful.

Explanation: This message is for your information only.

User Response: This message is for your information only, and no action is required.

ASN0101W CAPTURE *capture_schema*. The Capture program warm start failed because existing data is too old. A cold start will be attempted.

Explanation: The data in the change data tables is too old. A cold start is performed.

User Response: See the documentation regarding Capture program operations in the DB2 Replication Guide and Reference.

ASN0102W CAPTURE *capture_schema*. The Capture program switches to cold start because the warm start information is insufficient.

Explanation: A problem occurred during the retrieval of the restart information. The restart table data is not valid. A cold start is performed.

- For DB2 Universal Database, an Asynchronous Read Log API error occurred during warm start while DB2 was reading the log.
- For z/OS, an Instrumentation Facility Information (IFI) error occurred during warm start while DB2 was reading the log.

User Response: See the documentation regarding Capture program operations in the DB2 Replication Guide and Reference.

ASN0104I CAPTURE *capture_schema*. In response to a CAPSTART signal with MAP_ID *mapid*, change capture has started for the source table *source_owner.source_table* for changes found on the log beginning with log sequence number *log_sequence_number*.

Explanation: The Capture program successfully processed a CAPSTART signal. If this is the first CAPSTART signal associated with a particular source table, this message indicates that the Capture program is now capturing updates to the source table. If this is a CAPSTART signal for a table for which changes are already being captured, this message indicates that the Capture program received the signal and performed the required processing to allow the Apply program to start receiving changes for the subscription set that is associated with the input MAP_ID value.

User Response: This message is for your information only, and no action is required.

ASN0105I CAPTURE *capture_schema*. *n* rows have been pruned from the table *table_owner.table_name* at timestamp.

Explanation: The Capture program pruned records from a CD, UOW, TRACE, MONITOR, or SIGNAL table.

User Response: This message is for your information only, and no action is required.

ASN0109I CAPTURE *capture_schema*. The Capture program has successfully initialized and is capturing data changes for *number* registrations. *Stopped_number* registrations are in a stopped state. *Inactive_number* registrations are in an inactive state.

Explanation: This message is issued when the Capture program completes the reinitialization of registration entries. The reinitialization can occur during a warm start, during the processing of a CAPSTART signal, or in response to a Capture REINIT command.

User Response: If the Capture program is capturing the changes for all the registrations, no action is required. Otherwise, examine the preceding error messages to determine the cause of the failure, and follow the suggested user responses to repair the failing registration definition. After you have repaired the registration definition, issue the `asncmd` command with the `reinit` parameter.

ASN0111I CAPTURE *capture_schema*. The pruning cycle started at *timestamp*.

Explanation: This message is issued at the beginning of each pruning cycle.

User Response: This message is for your information only, and no action is required.

ASN0112I CAPTURE *capture_schema*. The pruning cycle ended at *timestamp*.

Explanation: This message is issued at the termination of each pruning cycle.

User Response: This message is for your information only, and no action is required.

ASN0113W CAPTURE *capture_schema*. The pruning retention limit will be reached in the next 24 hours.

Explanation: This warning message is issued when the values in the `IBMSNAP_UOW` table indicate that retention limit pruning could occur in the next day.

User Response: Check to see why regular pruning is not occurring. Usually this is because one or more Apply programs have not been run for a period of many days, and therefore the CD and UOW tables cannot be effectively pruned. Another potential hazard is the removal or deactivation of a subscription set, without the removal or reset of the corresponding synchpoint value in the table `IBMSNAP_PRUNE_SET`. The Replication Analyzer tool can be used to provide a detailed analysis of the situation.

ASN0114E CAPTURE *capture_schema*. Pruning has failed with SQL code *sqlcode* when pruning the table *table_owner.table_name*.

Explanation: This error message is issued when pruning fails with an unexpected SQL error code. Pruning terminates and tries again at the next interval or command invocation. This error does not cause the Capture program to terminate.

User Response: If this SQL code indicates a temporary error, then no action is required. Otherwise, take action as indicated for the SQL error in the DB2 Messages and Codes manual.

ASN0121E CAPTURE *capture_schema*. The Capture program warm start failed because existing data is too old. The Capture program will terminate.

Explanation: The time of the warm start information exceeded the lag limit.

User Response: No response required; the Capture program will terminate.

ASN0122E CAPTURE *capture_schema*. An error occurred while reading the restart information or DB2 log. The Capture program will terminate.

Explanation: A problem occurred while retrieving the restart information. The restart table data was not valid or for z/OS, an Instrumentation Facility Interface (IFI) error occurred while reading the log during a restart. When the error is resolved, you can restart using the warm start option.

User Response: No response required; the Capture program terminates.

ASN0123I CAPTURE *capture_schema*. At program termination, the highest log sequence number of a successfully captured log record is *max_commitseq* and the lowest log sequence number of a record still to be committed is *min_inflightseq*.

Explanation: The Capture program terminates and records the values of the restart table at that time for auditing purposes.

User Response: This message is for your information only, and no action is required.

ASN0133I CAPTURE *capture_schema*. The Capture program has reached the end of the active log and will terminate because the AUTOSTOP feature is specified.

Explanation: The Capture program terminated when it reached the end of the active log as requested by the user option of AUTOSTOP.

User Response: This message is for your information only, and no action is required.

ASN0142E CAPTURE *capture_schema*. The Capture program is unable to perform an insert operation on the monitor table IBMSNAP_CAPMON. The SQL code is *sqlcode*. The monitoring information for this interval will be skipped.

Explanation: This error message is issued when the monitoring thread has failed with an unexpected SQL code. Monitor functions for this interval are skipped, and the program tries again at the next interval. This error does not cause the Capture program to terminate.

User Response: If this SQL code indicates a temporary error, then no action is required. Otherwise, take action as indicated for the SQL error in the DB2 Messages and Codes manual.

ASN0143W CAPTURE *capture_schema*. The program detected that the source database *src_db_name* has been restored or rolled forward. The Capture program has switched from a warm start to a cold start.

Explanation: The Capture program started with a startmode of warmsa or warmsi. When the Capture program attempted to warm start, it received a return code from the DB2 log read API that indicates that the source database has been restored or rolled forward and that log sequence numbers have been reused; the state of the source database and the state of the captured data are no longer consistent. The Capture program switched to a cold start.

User Response: This message is for your information only, and no action is required.

ASN0144E CAPTURE *capture_schema*. The program detected that the source database *src_db_name* has been restored or rolled forward. A cold start is recommended to restore consistency.

Explanation: The Capture program started with a startmode of warmns or warmsi. When the Capture program attempted to warm start, it received a return code from the DB2 log read API that indicates that the source database has been restored or rolled forward and that log sequence numbers have been reused; the state of the source database and the state of the captured data are no longer consistent. The Capture program terminates and does not automatically switch to a cold start.

User Response: If you are certain that it is safe to perform a Capture program warm start, restart the Capture program; it will not terminate on a second attempt. If you are not certain whether the captured data will be in a consistent state after a Capture program warm start, it is recommended that you perform a Capture program cold start.

ASN0180W CAPTURE *capture_schema*. The table IBMSNAP_SIGNAL is not an EBCDIC table as required by capture. The signal has been processed.

Explanation: The Capture program detected that the IBMSNAP_SIGNAL table is not defined as an EBCDIC table. Additional processing is required to translate signals to EBCDIC to process them properly. The additional processing requires a small performance degradation.

User Response: At your earliest convenience, perform the following steps:

1. Stop the Capture program.
2. Drop and re-create the IBMSNAP_SIGNAL table with EBCDIC encoding.
3. Restart the Capture program.

ASN0181W CAPTURE *capture_schema*. The row for the signal with timestamp *signal_time* no longer exists in the IBMSNAP_SIGNAL table. The signal has been processed.

Explanation: The Capture program processed the request from the signal but could not update the SIGNAL_STATE and SIGNAL_LSN. Therefore, the issuer of the signal cannot determine that the Capture program received the signal.

User Response: Determine if another process is expecting the update for the signal from the Capture program, and if necessary, re-send the signal.

ASN0182W CAPTURE *capture_schema*. The row for signal with timestamp *signal_time* no longer exists in IBMSNAP_SIGNAL table and the table is not EBCDIC. The signal will be ignored by capture.

Explanation: An initialization failure occurred, because the Capture program received a signal that was not encoded in EBCDIC. The Capture program could not translate the signal to EBCDIC, because the row in the

IBMSNAP_SIGNAL table no longer exists. The Capture program cannot determine what signal was sent and so ignores it.

User Response: Determine what signal was sent, and re-send the signal.

At your earliest convenience, perform the following steps:

1. Stop the Capture program.
2. Drop and re-create the IBMSNAP_SIGNAL table with EBCDIC encoding.
3. Restart the Capture program.

ASN0500E *pgmname* : *program_qualifier* : The parameter input *input_value* supplied for parameter name *parameter_name* is not valid.

Explanation: The program or a command program has been invoked with a specified input parameter that is not valid. The message indicates the name of the program that is reporting the error, along with the parameter name and the parameter value.

User Response: Check the documentation on valid invocation parameters, correct the input, and resubmit the task or command.

ASN0501E *pgmname* : *program_qualifier* : The value *input_value* supplied for the parameter *parameter_name* is not the correct data type.

Explanation: The program or a command program was invoked with an input value with an associated data type that is not valid. The message indicates the name of the program that is reporting the error, the incorrect input value, and the name of the parameter for which this input value was specified.

User Response: Correct the invocation to include the correct data type for the parameter input and resubmit it.

ASN0502E *pgmname : program_qualifier : The value input_value of length invalid_string_length, supplied for parameter parameter_name, is greater than the maximum allowed string length of allowed_string_length.*

Explanation: The program or a command program has been invoked using an input value with a string length that is not valid. The message indicates the name of the program that is reporting the error, what input value is incorrect, and for which parameter this input value was specified.

User Response: Correct the invocation to include the correct string length for the parameter input and resubmit it.

ASN0503E *pgmname : program_qualifier : The integer value input_value, supplied for parameter parameter_name, is outside the supported range for this parameter.*

Explanation: The program or a command program was invoked with an input value specified which is outside the supported range. The message indicates the name of the program that is reporting the error, which input value is incorrect, and for which parameter this input value was specified.

User Response: Correct the invocation to include the correct range value for the parameter input and resubmit it.

ASN0504E *pgmname : program_qualifier : The program did not recognize the invocation parameter incorrect_input.*

Explanation: The program or a command program has been invoked with a specified parameter or command that is not valid. The message indicates which program issued this message, and the invocation input that is unrecognized.

User Response: Check the documentation on

valid input parameters, correct the input and resubmit the task or command.

ASN0505E *pgmname : program_qualifier : The program was unable to get or set an IPC key.*

Explanation: The program or a command program was unable to initialize the inter-process communications needed to process commands. This error causes the failing program to terminate.

User Response: Retry the failing program or command. Contact IBM Software Support if the problem persists.

ASN0506E *pgmname : program_qualifier : The program could not attach to the replication communications message queue.*

Explanation: The program or command encountered an error while trying to process a user command or a response to a command. The program did not terminate and the command did not get executed. Possible reasons for this failure include:

- No program is running for the given *program_qualifier*, database, and server. Either the program has not been started or the input parameters were incorrect.
- This program does not have permission to use the IPC resources needed to communicate with the other program.
- The program's IPC resource has been removed. An administrator may have removed the resource.

User Response: If this message was issued by a command:

1. Ensure that you specified the parameters correctly.
2. If the parameters are correct, ensure that the receiving program is running.
3. If the problem persists, ensure that both programs are running with the same user ID or that they have permission to access each others' IPC resources.

If this message was issued by a process, re-issue the command that initiated communication with the process. If the problem persists, stop the process using operating-system commands and restart it. Retry the failing command.

Contact IBM Software Support if the problem persists.

ASN0507E *pgmname : program_qualifier : The program could not create the replication communications message queue.*

Explanation: The program or a command program encountered an internal error while trying to process a user command. The program did not terminate for this failure, but the command did not get executed

User Response: Retry the failing command. Contact IBM Software Support if the problem persists.

ASN0508E *pgmname : program_qualifier : The program could not send a message to the replication communications message queue.*

Explanation: The program or a command program encountered an internal error while trying to process a user command. The program did not terminate for this failure, but the command did not get executed.

User Response: Retry the failing command. Contact IBM Software Support if the problem persists.

ASN0509E *pgmname : program_qualifier : The program could not process a received message because of an incorrect message version.*

Explanation: The program or a command program encountered an internal error while trying to process a user command. The program did not terminate for this failure, but the command did not get executed.

User Response: Retry the failing command.

Contact IBM Software Support if the problem persists.

ASN0510E *pgmname : program_qualifier : The program encountered a timeout while waiting for reply messages.*

Explanation: The command program encountered an internal error while trying to process a user command. The program did not terminate for this failure, but the command did not get executed.

User Response: Retry the failing command. Contact IBM Software Support if the problem persists.

ASN0511E *pgmname : program_qualifier : The program was unable to process the received message because of an unknown message function.*

Explanation: The program encountered an internal error while trying to process a user command. The program did not terminate for this failure, but the command did not get executed.

User Response: Retry the failing command. Contact IBM Software Support if the problem persists.

ASN0512E *pgmname : program_qualifier : The program could not read from its replication communications message queue.*

Explanation: The program encountered an internal error while trying to process a user command. The program did not terminate for this failure, but the command did not get executed.

User Response: Retry the failing command. Contact IBM Software Support if the problem persists.

ASN0513E *pgmname : program_qualifier : The program could not open the message file named msg_file.*

Explanation: This message file used by the program has been installed incorrectly, or the language environment variables are not set correctly.

User Response: Refer to the documentation for information about installation and configuration.

ASN0514E *pgmname : program_qualifier : The program could not open the log file log_file.*

Explanation: The program encountered an internal error while trying to open a file for its own program message log, and terminates abnormally because of this failure. This problem might have occurred because the file was inadvertently deleted, or because the userid associated with this process does not have the sufficient authority to open the file.

User Response: Verify that sufficient authority is provided to the processing userid. If the file was inadvertently deleted, restart the program to create a new log file.

ASN0515E *pgmname : program_qualifier : The program could not close the log file.*

Explanation: The program encountered an internal error while trying to close the file used for its own program message log. The file might have been deleted inadvertently before the program tried to terminate. Final termination messages might not be issued.

User Response: If the file was inadvertently deleted, restart the program to create a new log file.

ASN0516E *pgmname : program_qualifier : The program could not close the message catalog.*

Explanation: The program encountered an internal error while trying to close the message

catalog file. The file might have been deleted inadvertently before the program tried to terminate. Final termination messages might not be issued.

User Response: If the message file has been deleted, it needs to be reinstalled.

ASN0517E *pgmname : program_qualifier : The program has recovered the ability to read from its replication communications message queue.*

Explanation: The program was able to reinitialize its read capability from the message queue needed to process commands after a previous failure.

User Response: This message is for your information only, and no action is required.

ASN0518E *pgmname : program_qualifier : The program does not accept multiple commands.*

Explanation: The command program was invoked with multiple commands specified. Each command invocation must be performed with a single input command, along with any other required command input. Note: The CHGPARMs command allows multiple parameters to be changed with one invocation of the CHGPARMs command.

User Response: Correct the command input, and resubmit the command.

ASN0519E *pgmname : program_qualifier : The parameter input parameter_value supplied for CHGPARMs parameter parameter_name is not valid.*

Explanation: The CHGPARMs command was invoked with incorrect parameter input.

User Response: Correct the command input and resubmit the command.

ASN0520I *pgmname : program_qualifier : The STATUS command response: thread_type thread is in the status_condition state.*

Explanation: In response to the **status** command, one of these messages will be issued for each of the threads associated with the program that received the command, in each case providing the current state of that thread.

User Response: This message is for your information only, and no action is required.

ASN0521I *pgmname : program_qualifier : The QRYPARMS command response: parameter_name was set to parameter_value by the following method: method.*

Explanation: In response to the **QRYPARMS** command, a message will be issued for each of the program parameters. For each parameter, the message provides the name of the parameter, the current setting of the parameter, and the method (by default, by changing the IBMSNAP_CAPPARMS table, by the startup option, or by the use of the CHGPARMS command) that was employed by the user to set the value of the parameter.

User Response: This message is for your information only, and no action is required.

ASN0522I *pgmname : program_qualifier : The program received the command_type command.*

Explanation: The program received a command to be processed.

User Response: This message is for your information only, and no action is required.

ASN0523I *pgmname : program_qualifier : The CHGPARMS command response: parameter_name has been set to parameter_value.*

Explanation: In response to the **CHGPARMS** command, one of these messages will be issued

for each of the program parameters that was changed. For each parameter, the message provides the new value for the parameter.

User Response: This message is for your information only, and no action is required.

ASN0524E *pgmname : program_qualifier : The program required parameter parameter_name was not specified.*

Explanation: The program or a command program was invoked without one of the required parameters specified. If the parameter missing is the *capture_server* or *control_server*, the program or command also tried accessing the database name implicitly through the DB2DBDFT environment variable setting, where applicable, and this also was not successful.

User Response: Correct the invocation to include the appropriate parameter and its corresponding input value.

ASN0525E *pgmname : program_qualifier : The program could not read from its external communications message queue.*

Explanation: The program or a command program was unable to initialize its read capability from the external communications message queue needed to process commands.

User Response: Retry the failing command, and if the problem persists, contact IBM Software Support.

ASN0526E *pgmname : program_qualifier : The program was invoked without any command input.*

Explanation: The command program was invoked without a command to process. No command processing is performed.

User Response: Resubmit the command with all the required input.

ASN0527E *pgmname : program_qualifier : The program was invoked without any CHGPARMs command input.*

Explanation: The commands program was invoked with the CHGPARMs command but without any command input to process. No command processing is performed.

User Response: Resubmit the command with all the required input.

ASN0528E *pgmname : program_qualifier : The program will terminate because the required control table control_table_name does not exist.*

Explanation: The Capture or the Apply program tried to execute an SQL operation against a required Capture control table. The program received a *not found* return code from DB2. The return code occurs either if the migration has not been completed or if a required Capture control table has been accidentally dropped from the environment.

User Response: See the message text for the name of the missing control table. Corrective action for this problem depends on which table is missing. For example, if the table is IBMSNAP_PRUNE_LOCK, then the table can simply be recreated, and the Capture program can be restarted. However, if the table is IBMSNAP_RESTART, and if the correct table contents cannot be restored, then the table needs to be recreated, and the Capture program requires a cold start.

ASN0529I *pgmname : program_qualifier : The value of parameter_name was set to parameter_value at startup by the following method: method.*

Explanation: The program started, and the program parameters were initialized based on the combination of startup options specified and the existing contents of the table IBMSNAP_CAPPARMs. These messages were written for auditing purposes. The parameters were set by one of the methods: by default, by

changing the IBMSNAP_CAPPARMs table, or by the startup option.

User Response: This message is for your information only, and no action is required.

ASN0530E *pgmname : program_qualifier : The program could not connect to database database_name. The SQLCODE is sql_code.*

Explanation: An error occurred when the program issued one of the following functions:

- a CONNECT function to DB2 for VSE and VM
- a CONNECT function to DB2 Call Attachment Facility (CAF)
- an implicit connect to DB2 UDB

User Response: See the DB2 codes in the messages and codes publication of the DB2 database manager on your operating system for the appropriate reason code.

For DB2 for z/OS errors, see the section in the administration guide that describes the Call Attachment Facility. Contact your DBA for questions and diagnosis.

If you are running the program under DB2 UDB for UNIX, ensure that the LIBPATH environment variable is set to the same environment in which the program starts. Refer to the Setting up for replication documentation in the DB2 Replication Guide and Reference for additional information.

ASN0531E *pgmname : program_qualifier : The program could not open the plan. The SQL return code is return_code, the reason code is reason_code, the subsystem name is DB2_subsystem, and the plan name is plan_name.*

Explanation: An error occurred when the program tried to open the plan, ASNLPLAN.

User Response: See the DB2 Codes section in the messages and codes publication of the DB2 database manager on your operating system to find the appropriate reason code. See the section

in the administration guide that describes the Call Attachment Facility.

ASN0532E *pgmname : program_qualifier : DB2 release release_number is not supported.*

Explanation: The program does not support this release of DB2.

User Response: Run the program with the appropriate release of DB2.

ASN0533E *pgmname : program_qualifier : DB2 was terminated abnormally.*

Explanation: DB2 was terminated while the program was still active.

For z/OS, VSE/ESA, or VM/ESA, DB2 was terminated while program was active and the user did not specify the NOTERM invocation parameter.

User Response: Start DB2 and start the program.

ASN0534E *pgmname : program_qualifier : DB2 database cannot be used, because it is in the state state.*

Explanation: DB2 was terminated while the program was still active. The database is in one of the following states: UNDETERMINED, TERMINATED, QUIESCED, ROLLWARD, or ACTIVE.

User Response: Start DB2, and then start the program.

ASN0535E *pgmname : program_qualifier : The program could not disconnect from the database db_server. The return code is return_code, and the reason code is reason_code.*

Explanation: While terminating the connection to DB2, the program received an error code from the Call Attachment Facility (CAF).

User Response: Restart the program.

ASN0536E *pgmname : program_qualifier : An error was returned while getting the instance name. The SQLCODE is sqlcode.*

Explanation: The SQLEGENS API of DB2 Universal Database returned an error.

User Response: See the DB2 Universal Database API Reference for information about the SQLEGENS API to determine the error, or contact IBM Software Support.

ASN0537E *pgmname : program_qualifier : The program could not connect to database database_name, the return code is return_code, and the reason code is reason_code.*

Explanation: An error occurred when the program issued one of the following functions:

- a CONNECT function to DB2 for VSE and VM
- a CONNECT function to DB2 Call Attachment Facility (CAF)
- an implicit connect to DB2 UDB

User Response: See the DB2 codes in the messages and codes publication of the DB2 database manager on your operating system for the appropriate reason code.

For DB2 for z/OS errors, see the section in the administration guide that describes the Call Attachment Facility. Contact your DBA for questions and diagnosis.

If you are running the program under DB2 UDB for UNIX, ensure that the LIBPATH environment variable is set to the same environment in which the program starts. Refer to the Setting up for replication documentation in the DB2 Replication Guide and Reference for additional information.

ASN0538I *pgmname : program_qualifier : The program is waiting for DB2 to come up.*

Explanation: When the program is initially brought up, if DB2 is not up at that time, the program waits until DB2 is up. After DB2 is up, the Capture program makes the connection and

begins to capture changes.

If the NOTERM option is specified in the Capture invocation parameters, and DB2 comes down smoothly, the Capture program waits for it to come back up.

User Response: This message is for your information only, and no action is required.

ASN0539E *pgmname : program_qualifier :*
Database or subsystem named
database_server_name **needs to be**
configured with
LOGRETAIN=RECOVERY.

Explanation: The Capture program tried to perform a cold or warm start and the source database was not defined properly in order for the log read interface to be used by the Capture program. The accepted settings for the database configuration parameter LOGRETAIN is RECOVERY (also known as ON).

User Response: Use the **update database configuration for** command to alter the setting of the LOGRETAIN parameter. Please note that when you set this parameter to RECOVERY (or ON), you must then use the **backup** command to backup the database before using this database with any application.

ASN0540E *pgmname : program_qualifier :* **The program was not able to execute the autobind operation successfully on package** *pkg_name* **from the file** *path_filename*. **The SQLSTATE** *sqlstate* **was returned.**

Explanation: The program discovered that a bind or rebind is required in order to run. The program attempted to autobind, and the autobind was unsuccessful. The program failed to initialize.

User Response: Check for corresponding database messages that might provide additional details about the source of the autobind failure. Possible problems include authorization failures, missing or incorrect control tables, or bind files that do not match the program. Correct the situation, and restart the program.

ASN0541E *pgmname : program_qualifier :* **An incorrect value** *column_value* **was supplied for column** *column_name* **of the program parameter table** *parms_table*.

Explanation: This message is issued during initialization of the Capture program if the validation of the IBMSNAP_CAPPARMS table found that one of the parameter value settings is not valid. The Capture program terminates with this error.

User Response: Check the documentation for permitted parameter values allowed in this table. Correct the values and restart the Capture program.

ASN0542E *pgmname : program_qualifier :* **The maximum number of lock time-out or deadlock retries has been reached, SQLSTATE** *sqlstate* **was returned.**

Explanation: The Capture program has internally retried a time-out or deadlock condition multiple times. If the program task that receives the persistent lock condition is critical, such as the Capture worker thread, the whole Capture program terminates. If the program task is not critical, such as pruning or monitoring, then the task will be retried at a later time, and the Capture program remains active.

User Response: Check for corresponding database messages that might provide additional detail about the source of the locking contention. Correct the situation if the error is a user error, such as a user held lock. If the condition persists, contact IBM Software Support for assistance.

ASN0543E *pgmname : program_qualifier :* **The program cannot obtain** *bytes_number* **bytes of storage for a** *object*.

Explanation: The program is unable to obtain memory for a necessary in-memory storage structure. The program terminates.

User Response: Consider allowing a larger

memory allowance to the program, then restart the program.

ASN0544E *pgmname : program_qualifier : The program is already active.*

Explanation: You tried to start more than one Capture program per DB2 subsystem or database.

- For VSE/ESA, Capture for VSE generates a unique lock name for each database. This lock name is already in use, indicating that Capture for VSE is already active for the database.
- For VSE/ESA, Capture for VM has determined that the resource ID used as a lock is already in use. The resource ID is specified on the ENQ_NAME parameter of the CAPTURE ASNPARMS file.

User Response:

- For DB2 for z/OS subsystems, either run only one instance of the Capture program for all subsystems that are members of a data-sharing group, or run only one instance of the Capture program on any stand-alone system. Display the ENQ resource to determine the unique resource name violation.
- For other DB2 database operating systems, run only one Capture program per database.
- For Capture for VM, you can change the ENQ_NAME parameter in the CAPTURE ASNPARMS to ensure unique values for each Capture program if you want to run Capture for VM for more than one DB2 database on a system.

ASN0545E *pgmname : program_qualifier : The program started with the startup parameter PWDFILE, but the password file *password_file* was not found.*

Explanation: The program cannot find the password file. The user specifies the password filename through the PWDFILE parameter. If the user specifies a path startup parameter, the password file should reside in the specified directory. If the user did not specify a path startup parameter, the password file should

reside in the current directory in which the program is running.

User Response: Ensure that the password file name is correctly specified and is located in the proper directory.

ASN0546W *pgmname : program_qualifier : The Automatic Restart Manager failed. The invoked IXCARM macro is *arm_call*, the return code is *return_code*, and the reason code is *reason_code*.*

Explanation: The Capture or Apply program cannot connect to, disconnect from, or receive a ready status indication from the Automatic Restart Manager (ARM). The message displays the unsuccessful call and the return or reason code that returned to the program from the ARM. The program does not terminate but cannot continue ARM processing.

User Response: Check the Automatic Restart Manager documentation for more information about the cause of this failure.

ASN0547I *pgmname : program_qualifier : The number of substitution variables passed, *nbr_vars*, does not match the number of tokens, *nbr_tokens*, in the text of message number *msg_nbr*.*

Explanation: The program code and the program message file do not match; the release level of the program and the message file catalog might not match.

User Response: Verify that the program message file is correctly installed with the appropriate file permission settings.

ASN0548I *pgmname : program_qualifier : The program received an operator stop command.*

Explanation: This informational message indicates that a stop command was issued to the program.

User Response: This message is for your information only, and no action is required.

ASN0552E *pgmname : program_qualifier : The program encountered an SQL error. The server name is server_name. The SQL request is sql_request. The table name is table_name. The SQLCODE is sqlcode. The SQLSTATE is sqlstate. The SQLERRMC is sql_tokens. The SQLERRP is error_module.*

Explanation: A nonzero SQLCODE returned when the Capture, Apply, or Monitor program issued an EXEC SQL statement or CLI call. This SQLCODE might be caused by a DB2 problem that needs to be investigated, such as, an out of space condition, or DB2 is unavailable for use by applications. This message is sometimes followed by a second message that provides information about what replication was doing when this SQLCODE was encountered.

User Response: See the messages and codes documentation of the DB2 database manager on your operating system for an explanation of this SQLCODE and for information about corrective actions that might need to be taken in DB2. If replication issued another message immediately following this one, see the explanation and user response for that message.

ASN0553E *pgmname : program_qualifier : Internal error error_number occurred for message number msg_number containing num_tokens substitution fields: sub_tokens.*

Explanation: The *error number* is a decimal internal error number which is defined as:

- 1 Instance is not valid
- 2 Access denied
- 3 No files
- 4 No message
- 5 Locale is not valid
- 6 System error

7 Not enough memory

The *msg_number* is the message that the program was trying to issue. The *num_tokens* is the number of substitution tokens given for the message (not including the *pgmname* and *program_qualifier* tokens). The *sub_tokens* is the substitution tokens for the message in error separated by commas.

User Response: Take any corrective action possible based on the error code given. For example, if the message file was not found or could not be accessed, you should also see message ASN0513 which gives you the file name. Verify that the message file exists with the correct permissions. If you get error code 4, you might have an old message file.

ASN0554E *pgmname : program_qualifier : The program encountered a DB2 log full condition on server server_name.*

Explanation: The program tried to process an insert or update which was denied by DB2 because the DB2 transaction log is full. The program will stop processing.

User Response: Check the amount of space remaining on the filesystem containing your database files. Consider increasing the maximum log size in the database configuration file.

ASN0555W *pgmname : program_qualifier : The program cannot register with Automatic Resource Manager (ARM) because it is not APF authorized.*

Explanation: The Capture, Apply or Monitor program cannot register to use Automatic Resource Manager services because the program libraries are not APF authorized.

User Response: If you desire Capture, Apply, or Monitor program to register with Automatic Resource manager, authorize the program libraries for APF and restart the program.

ASN0556E *pgmname : program_qualifier : A registration that is not valid has been found. The CD table phys_chg_owner.phys_chg_tbl does not have any columns that match the base table source_owner.source_table.*

Explanation: The Capture program tried to initialize a registration and found that the CD table does not have any columns that match the source table. Nothing can be captured for this registration and so it is considered not valid. The registration remains inactive if the STOP_ON_ERROR column in the register (IBMSNAP_REGISTER) table for this registration is set to N, otherwise, the Capture program stops.

User Response: Make sure that there is at least one column in the CD table that matches the source table for the registration.

ASN0557E *pgmname : program_qualifier : The value column_value for column column_name of owner.table with source table source_owner.source_table, is not valid.*

Explanation: The Capture program tried to initialize a registration and found a value that is not valid for a column in the register (IBMSNAP_REGISTER) table.

User Response: Correct the value for the column in error. Refer to the description of the register table for valid values for the column in error.

ASN0558E *pgmname : program_qualifier : The parameter table parameter_table can have only one row corresponding to program qualifier program_qualifier.*

Explanation: The program parameters table was not defined correctly or was updated with rows that are not valid.

User Response: Ensure that there is only one

row in the parameter table corresponding to the *program_qualifier*. Ensure that the parameters table has a unique index on the program qualifier. Refer to the description of the parameter tables for additional information.

ASN0777I *pgmname : program_qualifier : Additional information message_text, reason code(s): rc1, rc2, rc3.*

Explanation: The *Additional information* shown in this message refers to an informational text message. The reason codes provide supplemental return code information related to this message text. If an informational code field is not applicable, it contains "*" (an asterisk).

User Response: This message is for your information only, and no action is required.

ASN0888E *pgmname : program_qualifier : EEE error condition message_text, error code(s): rc1, rc2, rc3.*

Explanation: The *EEE error condition* shown in this message is the description of an EEE-specific error that occurred in the specified program with the specified qualifier (if displayed). The error codes provide supplemental information related to this message text. If an error code field is not applicable, it contains "*" (an asterisk).

User Response: Use the information from the *EEE error condition* and from the specified error codes to determine the cause of the error. Contact IBM Software Support if you cannot resolve the error.

ASN0999E *pgmname : program_qualifier : Error condition message_text, error code(s): rc1, rc2, rc3.*

Explanation: The *Error condition* shown in this message is the description of an error that occurred in the specified program with the specified qualifier (if displayed). The error codes provide supplemental information related to this message text. If an error code field is not applicable, it contains "*" (an asterisk).

User Response: Use the information from the *Error condition* and from the specified error codes to determine the cause of the error. Contact IBM Software Support if you cannot resolve the error.

ASN1001E **APPLY** *apply_qualifier*. **The Apply program encountered an SQL error. The ERRCODE is *error_code*. The SQLSTATE is *sqlstate*. The SQLCODE is *sqlcode*. The SQLERRM is *sqlerrm*. The SQLERRP is *sqlerrp*. The server name is *server_name*. The table name is *table_name*.**

Explanation: An error occurred during the execution of an SQL statement.

User Response: Refer to your database message reference for an explanation of the SQL error code.

ASN1002E **APPLY** *apply_qualifier*. **The *table_name* could not be locked. ERRCODE is *error_code*, SQLSTATE is *sqlstate*, SQLCODE is *sqlcode*, SQLERRM is *sqlerrm*, SQLERRP is *sqlerrp*, server name is *server_name*, table name is *table_name***

Explanation: The Apply program could not lock the table.

User Response: Refer to your database message reference.

ASN1003E **APPLY** *apply_qualifier*. **The Apply program could not connect to the server *server*. The error code is *error_code*. The SQLSTATE is *sqlstate*. The SQLCODE is *sqlcode*. The SQLERRM is *sqlerrm*. The SQLERRP is *sqlerrp*.**

Explanation: The Apply program attempted to connect to the database and received a failing return code. There are many possible reasons why the Apply program could not connect to the database. For example, the Apply program would receive a failing return code if the

database was down or too many users were accessing it.

User Response: Look up the SQLCODE in the DB2 messages and codes manual to determine why the connection failed. Refer to the Setting up for replication documentation in the DB2 Replication Guide and Reference for information about storing user IDs and passwords.

Refer to your database message reference for an explanation of the SQL error code.

ASN1006E **APPLY** *apply_qualifier*. **The product registration module has unexpected content.**

Explanation: The content of the registration module (ASNAPR61) for DB2 Replication is not as expected for this version of the DB2. No further use of the product is possible until you provide the correct registration module.

User Response: Verify that DB2 was installed without errors. If errors occurred, correct them and try again.

If DB2 installed without error and you are correctly accessing the feature-registration module (ASNAPR61), contact IBM Software Support for assistance.

ASN1008E **APPLY** *apply_qualifier*. **The subscription set with Apply qualifier *qualifier* and set name *set_name* is not defined correctly. ERRCODE is *error_code*.**

Explanation: The subscription set is not defined correctly.

User Response: Make sure that the WHOS_ON_FIRST column in the subscription set table is specified correctly.

ASN1009E **APPLY** *apply_qualifier*. **There is no subscription set defined for Apply qualifier *qualifier*.**

Explanation: There is no subscription set defined for Apply qualifier *qualifier*.

User Response: Define at least one subscription

set for Apply qualifier *qualifier*.

ASN1010E **APPLY** *apply_qualifier*. **The Apply program could not insert row *row* into the audit trail table due to the following error:** *error_code*.

Explanation: This is an SQL return code indicating that the audit trail table was not set up with the same structure as the IBMSNAP_APPLYTRAIL table.

User Response: Refer to the Table structures documentation in the DB2 Replication Guide and Reference and to your database SQL manual.

ASN1011E **APPLY** *apply_qualifier*. **The copy request has incompatible source and target attributes. The SQL code is** *error_code*.

Explanation: This is an SQL code indicating that the attributes of the target table must be compatible with the attributes of the source table.

User Response: Refer to the SOURCE_STRUCTURE column in the register table for the compatibility of the source and target attributes.

ASN1012E **APPLY** *apply_qualifier*. **The source table structure is not valid. The error code is** *error_code*.

Explanation: This is an SQL return code indicating that the source table structure in the register table was not set up according to the SOURCE_STRUCTURE column in the register table.

User Response: Refer to the Table structures documentation in the DB2 Replication Guide and Reference for valid SOURCE_STRUCTURE column values used in the IBMSNAP_REGISTER table.

ASN1013E **APPLY** *apply_qualifier*. **The target table structure is not valid. The error code is** *error_code*.

Explanation: The target table structure in the subscription-targets-member table was not valid.

User Response: Refer to the Table structures documentation in the DB2 Replication Guide and Reference for valid target table structures.

ASN1014E **APPLY** *apply_qualifier*. **The Apply program could not find a source for the copy request because it could not find the change data table. The error code is** *error_code*.

Explanation: The change data table was not defined in the register table because either the Apply program did not find the change data table name in the register table or the source table was not registered correctly.

User Response: Refer to the Table structures documentation in the DB2 Replication Guide and Reference, and verify that the change data table is correctly defined in the register table.

ASN1015I **APPLY** *apply_qualifier*. **The Apply program is waiting for the Capture program at server *server_name* to advance the global SYNCHTIME. Verify that the Capture program is running.**

Explanation: This message is for your information only.

User Response: Verify that the Capture program is running.

ASN1016I **APPLY** *apply_qualifier*. **Refresh copying has been disabled. The error code is** *error_code*.

Explanation: While attempting to perform a full refresh, the Apply program encountered a DISABLE_REFRESH column in the register table which was set on.

User Response: Either turn off the DISABLE_REFRESH column or bypass the Apply

program and perform a manual refresh.

ASN1017E **APPLY** *apply_qualifier*. **The Apply program could not find any target column names. The error code is** *error_code*.

Explanation: The Apply program could not find any columns in the subscription columns table.

User Response: Redefine the subscription set and subscription-set members. Refer to the Setting up for replication documentation in the DB2 Replication Guide and Reference for more information.

ASN1018I **APPLY** *apply_qualifier*. **The Apply program is processing subscription set** *set_name(whos_on_first).(set_number of total_sets)*.

Explanation: This message is for your information only.

User Response: This message is for your information only, and no action is required.

ASN1019E **APPLY** *apply_qualifier*. **The target table does not have any key columns. The error code is** *error_code*.

Explanation: The Apply program cannot find key column names in one of the columns requiring a unique index or primary key.

User Response: Redefine the subscription set and the subscription-set members. Refer to the Setting up for replication documentation in the DB2 Replication Guide and Reference for more information.

ASN1020E **APPLY** *apply_qualifier*. **The Apply program could not reserve a storage block. The error code is** *error_code*.

Explanation: The Apply program could not obtain the required (memory) storage.

User Response: Contact IBM Software Support.

ASN1021E **APPLY** *apply_qualifier*. **The Apply program cannot read the work file** *filename*. **The error code is** *error_code*.

Explanation: The Apply program cannot read the work file due to a system error.

User Response: Determine if the problem is caused by lack of space, and contact your system administrator to obtain what is needed.

ASN1022E **APPLY** *apply_qualifier*. **The Apply program cannot write to the work file** *filename*. **The error code is** *error_code*.

Explanation: Either the user does not have the proper access authority for one or all of the files, or there is insufficient space remaining after writing to the target file.

User Response: Determine whether the problem is caused by a lack of access authority or a lack of space, and contact your system administrator to obtain what is needed.

ASN1023E **APPLY** *apply_qualifier*. **The Apply program cannot open the work file** *filename*. **The error code is** *error_code*.

Explanation: The Apply program cannot open the work file.

User Response: Contact IBM Software Support.

ASN1024E **APPLY** *apply_qualifier*. **The Apply program cannot close the work file** *filename*. **The error code is** *error_code*.

Explanation: The Apply program cannot close the work file.

User Response: Contact IBM Software Support.

ASN1025I **APPLY** *apply_qualifier*. **The Apply program completed processing for subscription set** *set_name(whos_on_first)*. **The return code is** *return_code*.

Explanation: This message is for your information only.

User Response: This message is for your information only, and no action is required.

ASN1026I **APPLY** *apply_qualifier*. **The Apply program encountered an error while trying to bind. SQLSTATE is** *sqlstate*, **SQLCODE is** *sqlcode*.

Explanation: An error occurred during the execution of bind.

User Response: Refer to your database message reference.

ASN1027E **APPLY** *apply_qualifier*. **There are too many large object (LOB) columns specified. The error code is** *error_code*.

Explanation: Too many large object (BLOB, CLOB, or DBCLOB) columns are specified for a subscription set member. The maximum number of columns allowed is 10.

User Response: Remove the excess large object columns from the subscription set member.

ASN1028I **APPLY** *apply_qualifier*. **The before-image column for a key column is not found. The error code is** *error_code*.

Explanation: The subscription set up for a member with TARGET_KEY_CHG=Y' is incorrect.

User Response: For each key column (IS_KEY=Y), there must be a before-image column included in the IBMSNAP_SUBS_COLS table. It can be a col_type=B (specified by the user), or col_type=P (provided by Replication). If the subscription is set up manually, then you must correct the problem yourself. If the

subscription is set up by using the Replication Center or the Replication Commands, contact IBM Software Support.

ASN1029E **APPLY** *apply_qualifier*. **The SQL statement of the subscription set named** *set_name* **with a** *whos_on_first* **value of** *whos_on_first* **did not execute successfully. The statement failed with** SQLCODE *sqlcode* **and** SQLSTATE *sqlstate*. **The apply program internal error code is** *error_code*.

Explanation: The user-specified SQL statement did not execute successfully.

User Response: Refer to the corresponding information in the IBMSNAP_APPLYTRAIL table and to the SQL manual of your database for detailed information.

ASN1031E **APPLY** *apply_qualifier*. **The SQL statement is empty. The error code is** *error_code*.

Explanation: The SQL statement is an empty string.

User Response: Specify the SQL statement to be executed.

ASN1032E **APPLY** *apply_qualifier*. **The Apply program log file could not be opened. The error code is** *error_code*, **and the return code is** *return_code*.

Explanation: The Apply program could not open the log file.

User Response: For more information on the return code, refer to the manual that describes problem determination for your particular operating system.

ASN1033E **APPLY** *apply_qualifier*. **The Apply program could not write to the Apply log file. The error code is *error_code*, and the return code is *return_code*.**

Explanation: The Apply program could not write to the log file.

User Response: For more information on the return code, refer to the manual that describes problem determination for your particular operating system.

ASN1034I **APPLY** *apply_qualifier*. **The Apply program initialization is successful.**

Explanation: This message is issued at successful initialization of the Apply process.

User Response: This message is for your information only, and no action is required.

ASN1035E **APPLY** *apply_qualifier*. **The Apply program could not access the subscription columns table. The error code is *error_code*. The SQLSTATE is *sqlstate*. The SQLCODE is *sqlcode*. The SQLERRM is *sqlerrm*. The SQLERRP is *sqlerrp*. The server name is *server_name*. The table name is *table_name*.**

Explanation: An error occurred during the execution of an SQL statement.

User Response: Refer to your database message reference for SQL.

ASN1036E **APPLY** *apply_qualifier*. **The column type *col_type* for expression *expression* is not valid. The error code is *error_code*.**

Explanation: The value for the COL_TYPE column in the subscription columns table is not valid.

User Response: Change the value to A, B, C, D, F, L, or R.

ASN1038E **APPLY** *apply_qualifier*. **No column names or expressions were specified in the subscription columns table.**

Explanation: Column names or expressions for a copy statement must be specified.

User Response: Refer to the Setting up for replication documentation in the DB2 Replication Guide and Reference for more information about requirements for subscription definitions.

ASN1039E **APPLY** *apply_qualifier*. **The Apply program plan, *plan_name*, could not be opened. The error code is *error_code*. The return code is *return_code*. The reason code is *reason_code*.**

Explanation: The Apply program plan could not be opened.

User Response: Refer to the Apply for z/OS Program Directory.

ASN1040E **APPLY** *apply_qualifier*. **The Apply program encountered an z/OS error. The error code is *error_code*, and the return code is *return_code*.**

Explanation: Execution of a z/OS system operation failed.

User Response: Refer to your z/OS system library information.

ASN1041I **APPLY** *apply_qualifier*. **The Apply program was started using subsystem name: *subsystem*.**

Explanation: This message informs you that the Apply program started using the specified subsystem name.

User Response: This message is for your information only, and no action is required.

ASN1042W **APPLY** *apply_qualifier*. **There are too many invocation parameters.**

Explanation: The number of parameters you specified when you invoked the Apply program exceeds the maximum allowed.

User Response: Refer to the Capture and Apply chapter for your operating system for information on the appropriate number of invocation parameters.

ASN1043E **APPLY** *apply_qualifier*. **There is already one Apply instance running with this Apply program qualifier *qualifier*. The error code is *error_code*, and the reason code is *reason_code*.**

Explanation: Verification attempt failed.

User Response: Make sure that only one instance of the Apply program with the specified Apply qualifier is running under this user ID on this subsystem or database.

ASN1044I **APPLY** *apply_qualifier*. **The Apply program will become inactive for *number* minutes and *number* seconds.**

Explanation: The Apply program is inactive.

User Response: This message is for your information only, and no action is required.

ASN1045I **APPLY** *apply_qualifier*. **The Apply program was started using database *database*.**

Explanation: This message informs you from which database the Apply program is running.

User Response: This message is for your information only, and no action is required.

ASN1047I **APPLY** *apply_qualifier*. **There are too many columns specified. The error code is *error_code*.**

Explanation: There are too many columns specified for a member in the subscription.

User Response: The user must reduce the number of columns specified for the member in the subscription. The maximum number of columns supported is determined by the total length of all the column names. More columns can be specified if the length of the column names is shorter.

ASN1048E **APPLY** *apply_qualifier*. **The execution of an Apply cycle failed. See the Apply trail table for full details: *text***

Explanation: An Apply cycle failed. In the message, *text* identifies the *target_server*, *target_owner*, *target_table*, *stmt_number*, and *cntl_server*.

User Response: Check the APPERRM fields in the audit trail table to determine why the Apply cycle failed.

ASN1049E **APPLY** *apply_qualifier*. **The Apply program encountered a system error. The error code is *error_code*. The return code is *return_code*.**

Explanation: Execution of a system operation failed.

User Response: Refer to the system library information for your operating system.

ASN1050E **APPLY** *apply_qualifier*. **The Apply program encountered an operation that is not valid while updating the target table. The error code is *error_code*. The operation to be applied is *operation*.**

Explanation: The operation field of a row fetched from the source table is not valid.

User Response: Contact IBM Software Support.

ASN1051E *APPLY apply_qualifier. The Apply program detected a gap between the source source table and the target table. The error code is error_code.*

Explanation: The Apply program has detected that the Capture program lost change data before the Apply program could copy it. For example, the Capture program might have been cold started or retention limit pruning might have occurred.

User Response: Check the control tables to determine why the gap is present. Take proper action to preserve data integrity before you reset the control table information to execute the definition again.

ASN1052E *APPLY apply_qualifier. The Apply program could not find the ASNLOAD program.*

Explanation: The Apply program cannot find the ASNLOAD program in the current directory.

User Response: Make sure that ASNLOAD is in the directory from which you are invoking the Apply program.

ASN1053E *APPLY apply_qualifier. The execution of the ASNLOAD exit routine failed. The return code is return_code.*

Explanation: The ASNLOAD exit routine detected an error and passed the error information back to the Apply program. The following values are valid return codes:

98

unexpected error has occurred (The ASNLOAD exit routine has failed with an unexpected error. No processing will be performed.)

99

DB2 pwdfile keyword supplied - password file not found (The pwdfile parameter was passed, but no password file was found. This is an error, and no connections or other processing will be performed.)

100

DB2 connect with a user/using phrase failed - pwdfile found (A connect with a user/using phrase was made using values supplied in the encrypted Apply password file. The password file and a userid/password combination for the DB2 server were found, but the connection failed.)

101

DB2 connect without a user/using phrase failed - no pwdfile found (A connection without a user/using phrase was made because no password file was provided. The connection failed.)

102

DB2 connect without a user/using phrase failed - pwdfile found, no entry (A connection without a user/using phrase was made, because no server entry was found in the pwdfile for the DB2 server. The connection failed.)

103

DB2 connect with a user/using phrase failed - uid/pwd from asnload.ini used (A connection with a user/using phrase was made using values supplied in the asnload.ini file. This file and a userid/password combination for the DB2 server were found, but the connection failed.)

104

DB2 connect without a user/using phrase failed - no asnload.ini found (A connection without a user/using phrase was made, because no asnload.ini file was found. The connection failed.)

105

DB2 connect without a user/using phrase failed - no uid/pwd found for server (A connection without a user/using phrase was made. The asnload.ini file was found, but no uid/pwd combination was provided. The connection failed.)

106

user specified LOADX_TYPE = 2, no user code provided (The value of LOADX_TYPE in the

table ASN.IBMSNAP_SUBS_MEMBR was set by the user to the value of 2, indicating that the user was supplying custom code in the ASNLOAD exit routine. However this code was not found, and the ASNLOAD exit routine failed when the Apply program passed a LOADX_TYPE value of 2.)

107

DB2 import utility failed (The import utility failed to execute. The SQL code returned by the utility is passed as the reason code.)

108

DB2 export utility failed (The export utility failed to execute. The SQL code returned by the utility is passed as the reason code.)

109

DB2 load utility failed (The load utility failed to execute. The SQL code returned by the utility is passed as the reason code.)

110

DB2 load utility failed - invoked as crossload (The load utility failed to execute. The load utility was invoked with the load from cursor option. The SQL code returned by the utility is passed as the reason code.)

111

user has set LOADX_TYPE to an not valid value (The ASNLOAD exit routine was invoked with a LOADX_TYPE value that was set by the user. The LOADX_TYPE value is not valid for this environment, and the ASNLOAD exit routine failed.)

112

LOADX_TYPE 3 requires a nickname for select (The ASNLOAD exit routine failed. The ASNLOAD exit routine was invoked with a LOADX_TYPE value that was set by the user. The LOADX_TYPE value is not valid for this environment unless a nickname is created for the remote DB2 source table and stored in the ASN.IBMSNAP_SUBS_MEMBR table.)

113

LOADX_TYPE 4 is incompatible with target table

(The ASNLOAD exit routine failed. The ASNLOAD exit routine was invoked with a LOADX_TYPE set by the user. The LOADX_TYPE value is not valid for this environment, because the target table cannot be serviced by the DB2 Linux/UNIX/Windows load utility.)

114

LOADX_TYPE 5 is incompatible with target table (The ASNLOAD exit routine failed . The ASNLOAD exit routine was invoked with a LOADX_TYPE set by the user. The LOADX_TYPE value is not valid for this environment, because the target table cannot be serviced by the DB2 import utility.)

115

the ASNDLCOPY exit routine has failed (The ASNLOAD exit routine called the ASNDLCOPY exit routine, because there were DATALINK columns for the subscription-set member. The ASNDLCOPY exit routine failed; therefore, the process that loads this subscription-set member also failed.)

User Response: Check the return code and the corresponding explanation (above). Check for additional information in the ASNLOAD message file and in the message files generated by the DB2 utility, if applicable.

ASN1054E *APPLY* *apply_qualifier*. The Apply program could not find a row in the IBMSNAP_REGISTER or IBMSNAP_PRUNCNTL table that corresponds to the subscription set member with a set name *set_name*, for source owner *src_owner*, source table *src_tbl*, and source view qualifier *src_view_qual*.

Explanation: The source table registration is incorrect or incomplete.

User Response: Drop and redefine the registration.

ASN1055E **APPLY** *apply_qualifier*. The Apply program could not find the prune control information for source owner *src_owner*, source table *src_tbl*, source view qualifier *src_view_qual*, target owner *tgt_owner*, and target table *tgt_tbl*.

Explanation: The source table registration is incorrect.

User Response: Drop the subscription and redo it.

ASN1056E **APPLY** *apply_qualifier*. The Apply program could not connect to the server due to lack of user ID/password. The error code is *error_code*.

Explanation: The Apply program could not find the password and user ID to connect to the server.

User Response: Make sure that the Apply program password file exists. The Apply program password file resides in the same directory from which you start the Apply program. If you are using DB2 Universal Database Satellite Edition, make sure that the password and user ID are defined to the client systems.

ASN1057E **APPLY** *apply_qualifier*. The Apply program could not read the password in the Apply password file. The error code is *error_code*.

Explanation: The Apply program found no password.

User Response: If you want to use the AUTHENTICATION=SERVER scheme, you must provide a password, as described in the Apply program section in the Capture and Apply chapter for your operating system.

ASN1058E **APPLY** *apply_qualifier*. The Apply program could not close the password file. The error code is *error_code*.

Explanation: The Apply program could not close the password file.

User Response: Contact IBM Software Support.

ASN1059E **APPLY** *apply_qualifier*. The Apply program detects syntax that is not valid for line *line* in the password file. The error code is *error_code*.

Explanation: The Apply program could not recognize a line in the password file.

User Response: Correct the syntax error in the password file. See the Apply program section in the Capture and Apply chapter for your operating system.

ASN1060E **APPLY** *apply_qualifier*. The dynamic allocation for the temporary work file failed. The error code is *error_code*.

Explanation: A system error was encountered during dynamic allocation.

User Response: Contact IBM Software Support.

ASN1061E **APPLY** *apply_qualifier*. The specified keyword parameter is not valid. The error code is *error_code*.

Explanation: An invocation parameter that is not valid has been specified and has been ignored by the Apply program.

User Response: Correct the invocation parameter. See the Apply program section in the Capture and Apply chapter for your operating system.

ASN1062W **APPLY** *apply_qualifier*. **The Apply program must use SELECT and INSERT statements to perform a full refresh of this subscription-set member. The following information pertains to this subscription-set member: the set name is *set_name*, the source owner is *source_owner*, the source table is *source_table*, the source view qualifier is *source_view_qual*, the target owner is *target_owner*, and the target table is *target_table*.**

Explanation: The ASNLOAD exit routine cannot detect a user-specified LOADX_TYPE value, and no utilities are available to process this subscription-set member. Therefore, the ASNLOAD exit routine passes full refresh control back to the Apply program. The ASNLOAD exit routine does not currently support and is not able to process some target table types (such as the Sybase and MS SQL Server target tables).

User Response: This message is for your information only, and no action is required. However, you can set the value of the LOADX_TYPE to 1 for these subscription-set members in order to avoid unnecessary processing by the ASNLOAD exit routine.

ASN1063E **APPLY** *apply_qualifier*. **A subscription set cannot have more than 200 members. The error code is *error_code*.**

Explanation: The number of subscriptions has exceeded the maximum allowed number of 200.

User Response: Remove excess members from the subscription set.

ASN1064W **APPLY** *apply_qualifier*. **The Apply program cannot perform a full refresh for the subscription set named *set_name*, because the Capture program for this source has not yet been cold started.**

Explanation: The Apply program cannot attempt a full refresh for the subscription set,

because the Capture program for this source has never been cold started and is not ready to process the CAPSTART signals are be inserted by the Apply program.

User Response: Start the Capture program for this source.

ASN1065E **APPLY** *apply_qualifier*. **The Apply program cannot perform a full refresh for the subscription set named *set_name*, because the registered source table *source_owner.source_table* is in a stopped state.**

Explanation: The Apply program cannot perform a full refresh for this subscription set, because one of the source registrations is in the stopped state (the value of the STATE column is set to 'S' in the IBMSNAP_REGISTER table). The Capture program places a registration in the stopped state if there is a problem with the registration that requires user intervention. The integrity of the captured data for the registration might be compromised, and the Apply program must perform a full refresh. (This could occur if the registered source table has been altered with data capture none.)

User Response: Fix the stopped registrations using the information from the generated Capture error messages. Manually set the value of the STATE column to 'I' (Inactive) in the IBMSNAP_REGISTER table. The Apply program can then perform a full refresh.

ASN1066E **APPLY** *apply_qualifier*. **An internal Apply program error occurred. The error code is *error_code*.**

Explanation: An internal Apply program error occurred.

User Response: Contact IBM Software Support.

ASN1067E **APPLY** *apply_qualifier*. **The Apply program has detected update conflicts and compensated rejected transactions. See the unit-of-work table for details. The error code is *error_code*.**

Explanation: More than one application updated the same row in a table from different locations. Some transactions have been rejected and compensated.

User Response: Refer to the Tables structures documentation in the DB2 Replication Guide and Reference for more information.

ASN1068E **APPLY** *apply_qualifier*. **The Apply program has deactivated the subscription due to an RI violation. The error code is *error_code*.**

Explanation: A referential integrity violation was detected when copying data from the source table to a replica. The Apply program has terminated and the subscription has been deactivated.

User Response: Correct the referential integrity error and reactivate the subscription.

ASN1070E **APPLY** *apply_qualifier*. **The Apply program could not lock the target table. The ERRCODE is *error_code*. The SQLSTATE is *sqlstate*. The SQLCODE is *sqlcode*. The SQLERRM is *sqlerrm*. The SQLERRP is *sqlerrp*. The server name is *server_name*. The table name is *table_name*.**

Explanation: The Apply program could not lock the target tables before it was to check update conflicts.

User Response: Verify that all the target tables are available before restarting Apply.

ASN1071E **APPLY** *apply_qualifier*. **The Apply program could not reposition the work file. The error code is *error_code*.**

Explanation: The Apply program has detected an error while reading the temporary work file.

User Response: Contact IBM Software Support.

ASN1072E **APPLY** *apply_qualifier*. **The Apply program could not find the ASNDONE program.**

Explanation: The Apply program could not find the user exit program, ASNDONE.

User Response: Verify that the ASNDONE program is located in the correct directory.

ASN1073E **APPLY** *apply_qualifier*. **The execution of the ASNDONE program failed. The return code is *return_code*.**

Explanation: An error occurred while calling the user exit program, ASNDONE.

User Response: Contact IBM Software Support.

ASN1074E **APPLY** *apply_qualifier*. **The Apply program could not find the ASNDLCOPY program.**

Explanation: The Apply program did not find the ASNDLCOPY program in the current search path.

User Response: Add the ASNDLCOPY program to the search path and run the Apply program again.

ASN1075E **APPLY** *apply_qualifier*. **The ASNDLCOPY program failed. The return code is *return_code*. Additional information can be found in the ASNDL *appl_qualset_namecapture_server target_server*.LOG file.**

Explanation: The ASNDLCOPY program detected an error and passed the error

information back to the Apply program. The following values are valid return codes:

98

Unexpected error occurred.

99

The arguments passed to the ASNDLCOPY program are not valid.

100

Unable to allocate memory.

101

Unable to open the ASNDLSRVMAP configuration file.

102

The number of entries in the ASNDLSRVMAP configuration file exceeds the maximum limit.

103

An entry that is not valid has been found in the ASNDLSRVMAP configuration file.

104

No user login information was found in the ASNDLUSER configuration file for a given file server.

105

An entry that is not valid has been found in the ASNDLPARM configuration file.

106

Unable to open the ASNDLUSER configuration file.

107

An entry that is not valid has been found in the ASNDLUSER configuration file.

108

An I/O error occurred when reading from the input file.

109

An entry that is not valid has been found in the input file.

110

Unable to open the input file.

111

Unable to open the result file.

112

An I/O error occurred when writing to the result file.

113

An error occurred when initializing the control channel of the FTP protocol.

114

An error occurred when sending data through the control channel.

115

Unable to log on to the file server with the given user and password.

116

The copy daemon has not yet started.

117

An error occurred when initializing the data channel of the FTP protocol.

118

Unable to retrieve the file from the source file server.

119

Unable to store the file on the target file server.

120

An error occurred when transferring files in the passive mode.

121

Cannot find the path mapping for the given file reference.

122

An error occurred when executing the FTP BINARY command.

123

An error occurred when executing the FTP SIZE command.

124

An error occurred when executing the FTP MODTIME command.

125

An error occurred when executing the FTP SITE UMASK command.

126

An error occurred when executing the FTP SITE TOUCH command.

127

An error occurred when executing the FTP SITE CHMOD command.

User Response: Check the return code and its corresponding meaning (above). The return code is based on the sample ASNDLCOPY program that is shipped with the product. Additional information is provided in the log file.

ASN1076E **The Apply program cannot read the format of the result file that was generated by the ASNDLCOPY program.**

Explanation: The result file that was generated by the ASNDLCOPY program is not in an expected format.

User Response: If you modified the ASNDLCOPY program, check that your changes are not causing the invalid format. If your changes are not the cause of the problem, check that your machine has enough space for the result file.

ASN1077E **APPLY *apply_qualifier*. The Apply program encountered an DATALINK column value that is not valid while updating the target table. The error code is *error_code*.**

Explanation: The DATALINK column field of a row fetched from the source table is not valid.

User Response: Contact IBM Software Support.

ASN1078E **APPLY *apply_qualifier*. The ASNDLCOPY program was terminated by the signal *signal_number*. Additional information can be found in the *filename* file.**

Explanation: The ASNDLCOPY program terminated abnormally by the given signal.

User Response: Check the specified log file for the cause of the error. If you modified the ASNDLCOPY program and the signal is generated by the modified code, fix the code and rerun. Otherwise, contact IBM Software Support.

ASN1097I **APPLY *apply_qualifier*. The Apply program stopped.**

Explanation: The error reported previously caused the Apply program to stop.

User Response: Fix the error reported before this message.

ASN1207E **APPLY *apply_qualifier*. The subscription for *subscription* was not activated.**

Explanation: The selected subscription is inactive.

User Response: Either activate the subscription or select another one.

ASN1210E **APPLY *apply_qualifier*. An Apply qualifier must be specified following the keyword -q.**

Explanation: You must specify an Apply qualifier following the keyword -q.

User Response: Specify an Apply qualifier following the keyword -q.

ASN1212E **APPLY** *apply_qualifier*. **A read-only set name *set_name* is found following the keyword *keyword*.**

Explanation: A read-only set name was specified following the keyword U or D.

User Response: Specify only replica for the keywords U and D.

ASN1221I **APPLY** *apply_qualifier*. **Set *set_name* has been successfully refreshed with *number* rows at *time*.**

Explanation: This message is for your information only.

User Response: This message is for your information only, and no action is required.

ASN1242E **APPLY** *apply_qualifier*. **An SQL error occurred. *ERRCODE* is *error_code*, *SQLSTATE* is *sqlstate*, *SQLCODE* is *sqlcode*, *SQLERRM* is *sqlerrm*, *SQLERRP* is *sqlerrp*, *table name* is *table_name*.**

Explanation: This message is for your information only.

User Response: This message is for your information only, and no action is required.

ASN1243E **APPLY** *apply_qualifier*. **There is no eligible subscription in the *ASN.IBMSNAP_SUBS_SET* table.**

Explanation: Either a subscription set has not been selected or the apply qualifier is not valid.

User Response: Verify the subscription names and apply qualifier.

ASN1304E **APPLY** *apply_qualifier*. **The ASNSAT program terminated due to a Capture error.**

Explanation: The Capture program returned an error.

User Response: Determine the error from the Capture log file.

ASN1305E **APPLY** *apply_qualifier*. **The ASNSAT program terminated due to an Apply error.**

Explanation: The Apply program returned an error.

User Response: Determine the error from the Apply log file.

ASN1310E **APPLY** *apply_qualifier*. **The ASNSAT program encountered a system error while attempting to invoke the Capture program. Return code is *return_code*.**

Explanation: An operating system error occurred while calling ASNCAP.

User Response: Make sure that the Capture program is in the execution path.

ASN1311E **APPLY** *apply_qualifier*. **The ASNSAT program encountered a system error while attempting to invoke the Apply program. Return code is *return_code*.**

Explanation: An operating system error occurred while calling ASNAPPLY.

User Response: Make sure that the Apply program is in the execution path.

ASN1312E **APPLY** *apply_qualifier*. **The default target server, *DB2DBDFT*, is not set.**

Explanation: The user did not specify the target server name, and the ASNSAT program could not determine the default database name from DB2DBDFT.

User Response: Specify the target server name following the -t keyword.

ASN1314E **APPLY** *apply_qualifier*. An SQL error occurred while ASNSAT was getting the default Apply qualifier. SQLSTATE is *sqlstate*, SQLCODE is *sqlcode*.

Explanation: The user did not specify the Apply qualifier. The ASNSAT program encountered an error while retrieving the USER special register.

User Response: Specify the Apply qualifier following the -q keyword.

ASN1315E **APPLY** *apply_qualifier*. Cannot connect to database server. SQLSTATE is *sqlstate*, SQLCODE is *sqlcode*.

Explanation: An error occurred while attempting to connect to the target database.

User Response: Refer to your database message reference.

ASN1316E **APPLY** *apply_qualifier*. ASNSAT encountered an error while trying to bind. The SQLSTATE is *sqlstate*, SQLCODE is *sqlcode*.

Explanation: An error occurred while attempting to auto bind.

User Response: Make sure that the bind file exists in the sqllib\bnd directory.

ASN1317E **APPLY** *apply_qualifier*. An SQL error occurred while ASNSAT was getting the CD_TABLE value from ASN.IBMSNAP_REGISTER table. SQLSTATE is *sqlstate*, SQLCODE is *sqlcode*.

Explanation: An SQL error occurred while selecting from the register table.

User Response: Refer to your database message reference.

ASN1318E **APPLY** *apply_qualifier*. An SQL error occurred while ASNSAT attempted to get the DB2 node type. SQLSTATE is *sqlstate*, SQLCODE is *sqlcode*.

Explanation: An error occurred while retrieving the node type configuration parameter.

User Response: Refer to your database message reference.

ASN1500I **The Replication action** *action_name* started at *timestamp* with architecture level *architecture_level*. The Capture server is *capture_serveralias* and the Capture schema is *capture_schema*.

Explanation: Valid values for *action name* are *Create Capture server control tables* and *Drop Capture server control tables*.

User Response: This message is for your information only, and no action is required.

ASN1501I **The Replication action** *action_name* started at *timestamp* with architecture level *architecture_level*. The Capture server is *capture_serveralias*, the remote server is *remote_servername*, and the Capture schema is *capture_schema*.

Explanation: Valid values for *action name* are *Create Capture server control tables* and *Drop Capture server control tables*.

User Response: This message is for your information only, and no action is required.

ASN1502I **The Replication action** *action_name* started at *timestamp* with architecture level *architecture_level*. The Apply control server is *apply_serveralias*.

Explanation: Valid values for *action name* are *Create Apply server control tables* and *Drop Apply server control tables*.

User Response: This message is for your information only, and no action is required.

ASN1503I The Replication action *action_name* started at *timestamp*. The Capture server is *capture_serveralias*, the Capture schema is *capture_schema*, the source owner is *source_owner*, and the source table, view, or nickname is *source_table*.

Explanation: Valid values for *action name* are *Create Registration*, *Drop Registration*, *Alter Registration*, *Add Registration*, and *Promote Registration*.

User Response: This message is for your information only, and no action is required.

ASN1504I The Replication action *action_name* started at *timestamp*. The Capture server is *capture_serveralias*, the remote server is *remote_server*, the Capture schema is *capture_schema*, the source owner is *source_owner*, and the source table, view, or nickname is *source_table*.

Explanation: Valid values for *action name* are *Create Registration* and *Drop Registration*.

User Response: This message is for your information only, and no action is required.

ASN1505I The Replication action *action_name* started. The subscription set information follows: the Apply control server is *control_server*, the Apply qualifier is *apply_qualifier*, the set name is *set_name*, the target server is *target_server* for remote server *remote_servername*, the Capture server is *capture_server* for remote server *remote_servername*, and the Capture schema is *capture_schema*.

Explanation: Valid values for *action name* are *Create Subscription Set*, *Drop Subscription Set*, *Alter Subscription Set*, and *Promote Subscription Set*.

User Response: This message is for your information only, and no action is required.

ASN1506I The Replication action *action_name* started at *timestamp*. The subscription set information follows: the Apply control server is *control_server*, the Apply qualifier is *apply_qualifier*, the set name is *set_name*, the target server is *target_server*, the Capture server is *capture_server* for remote server *remote_servername*, and the Capture schema is *capture_schema*.

Explanation: Valid values for *action name* are *Create Subscription Set*, *Drop Subscription Set*, *Alter Subscription Set*, and *Promote Subscription Set*.

User Response: This message is for your information only, and no action is required.

ASN1507I The Replication action *action_name* started at *timestamp*. The subscription set information follows: the Apply control server is *control_server*, the Apply qualifier is *apply_qualifier*, the set name is *set_name*, the target server is *target_server* for remote server *remote_server*, the Capture server is *capture_server*, and the Capture schema is *capture_schema*.

Explanation: Valid values for *action name* are *Create Subscription Set*, *Drop Subscription Set*, *Alter Subscription Set*, and *Promote Subscription Set*.

User Response: This message is for your information only, and no action is required.

ASN1508I The Replication action *action_name* started at *timestamp*. The subscription set information follows: the Apply control server is *control_server*, the Apply qualifier is *apply_qualifier*, the set name is *set_name*, the target server is *target_server*, the Capture server is *capture_server*, and the Capture schema is *capture_schema*.

Explanation: Valid values for *action name* are *Create Subscription Set*, *Drop Subscription Set*, *Alter Subscription Set*, and *Promote Subscription Set*.

User Response: This message is for your information only, and no action is required.

ASN1510I The Replication action *action_name* ended successfully at *timestamp*.

Explanation: Valid values for *action name* are *Create Capture server control tables*, *Drop Capture server control tables*, *Create Apply control server control tables*, and *Drop Apply control server control tables*.

User Response: This message is for your information only, and no action is required.

ASN1511I The Replication action *action_name* ended successfully for source owner *source_owner* and source table, view, or nickname *source_table*.

Explanation: Valid values for *action name* are *Create Registration*, *Drop Registration*, *Alter Registration*, *Add Registration Column*, and *Promote Registration*.

User Response: This message is for your information only, and no action is required.

ASN1512I The Replication action *action_name* ended successfully for Apply qualifier *apply_qual*, set name *set_name*.

Explanation: Valid values for *action name* are *Create Subscription Set*, *Drop Subscription Set*, *Alter*

Subscription Set, *Add Statements to Subscription Set*, *Drop Statements from Subscription Set*, and *Promote Subscription Set*.

User Response: This message is for your information only, and no action is required.

ASN1513I The Replication action *action_name* ended successfully for Apply qualifier *apply_qual*, set name *set_name*, who's on first *whos_on_first*, source owner *source_owner*, source table *source_table*, source view qualifier *source_view_qual*, target owner *target_owner*, and target table *target_table*.

Explanation: The following values are valid for *action name*:

- *Add Subscription Member*
- *Add Subscription Member Column*
- *Drop Subscription Member*

User Response: This message is for your information only, and no action is required.

ASN1514I The Replication action ended at *timestamp* with successful successes, errors errors, and warning warnings.

Explanation: This message is for your information only.

User Response: No action is required.

ASN1550E The Replication action *action_name* ended in error. The value for the input parameter *input_parameter* is missing.

Explanation: The input parameter is mandatory for this action and is missing.

User Response: Provide the mandatory parameter and rerun the Replication action.

ASN1551E The Replication action *action_name* ended in error. The value *value* for the input parameter *input_parameter* is incorrect. The reason code is *reason_code*.

Explanation: The value provided for the input parameter is not a valid value. The following values are valid for the *reason code*:

- 0 Blocking minutes value should be between 0-999.
- 1 Commit Count value should be between 0-999.
- 2 Server Type value should be 1.
- 3 Tables type value should be either 1 or 2.
- 4 Remote Server Name value should be NULL.
- 5 Server Type value should be either 1, 2, 4 or 5.
- 6 Internal CCD tables must be noncomplete.
- 7 The Apply qualifier exceeds the maximum length of 18 characters.
- 8 The set name exceeds the maximum length of 18 characters.
- 9 Event names must be 18 characters or fewer in length.
- 10 The source Capture schema name exceeds the maximum length of 30 characters.
- 11 The target Capture schema name exceeds the maximum length of 30 characters.
- 12 The BEFORE_OR_AFTER statement value must be 'A', 'B', or 'S'.
- 13 The EI_OR_CALL value must be 'C' or 'E'.
- 14 SQLSTATES must be 50 digits or fewer in length.
- 15 SQLSTATES must be numeric

- 16 The CONFLICT_LEVEL must be zero (0) or NONE.
- 17 The CHGONLY value must be 'N'.
- 18 The external CCD table is noncondensed and contains LOB columns.
- 19 The CONFLICT_LEVEL must be between 0 and 2.
- 20 The CHGONLY value must be 'Y' or 'N'.
- 21 The RECAPTURE value must be 'Y' or 'N'.
- 22 The DISABLE_REFRESH value must be 0 or 1.
- 23 The CHG_UPD_TO_DEL_INS value must be 'Y' or 'N'.
- 24 The STOP_ON_ERROR value must be 'Y' or 'N'.
- 25 The BEFORE_IMG_PREFIX value must be only one character.
- 26 The corresponding table space does not have the *New Tablespace* flag set to true in any of the previous scenarios.
- 27 The table name is not a valid control table. Refer to the Replication Guide and Reference for a valid list of control tables.

User Response: Provide a valid value for the input parameter, and rerun the replication action. See the online help for details.

ASN1552E The Replication action *action_name* ended in error. The value *value1* for input parameter *input_parameter1* is incompatible with the value *value2* for input parameter *input_parameter2*.

Explanation: The value provided for the Replication parameter clashes with another parameter specification.

User Response: Provide valid values for the input parameters and rerun the Replication action. See the online help for details.

ASN1553E The value *value1* for input parameter *input_parameter1* is incompatible with the value *value2* for the existing subscription set *subscription_set*, Apply qualifier *apply_qual*, and who's on first *whoson_first*.

Explanation: The value provided for the Replication parameter clashes with one of the values for the existing subscription set.

User Response: Provide a valid value for the input parameter or change the subscription set definition, and rerun the Replication action. See the online help for details.

ASN1560E The replication action ended in error. An SQL error was encountered. SQL Message: *sql_message*.

Explanation: An error occurred during the execution of an SQL statement.

User Response: Refer to your database message reference for SQL.

ASN1561E Connection to the server *server_alias* cannot be established. An SQL error was encountered. SQL message: *sql_message*.

Explanation: The connection to the specified server could not be established.

User Response: Refer to your database message reference for SQL. Verify that the userid and password information is correct.

ASN1562E The Replication action ended in error. An unexpected error occurred. Reference Code *reference_code*.

Explanation: The specified action cannot be performed because of a run time error.

User Response: Contact IBM Software Support.

ASN1563E The Replication action *action_name* ended in error. The Replication architecture level *arch_level* does not support server *server_alias*.

Explanation: The specified Replication architecture level is not supported on the specified server operating system, version, or release. The only valid value for *arch_level* at this time is *0801*.

User Response: Refer to the section in the DB2 Replication Guide and Reference information about supported operating systems, versions, and releases for the replication architecture that was specified in the message.

ASN1564E The Replication action *action_name* ended in error. The Capture server Replication architecture level for Capture schema *capture_schema* does not support this Replication action.

Explanation: The replication architecture level found in the captureschema.IBMSNAP_REGISTER does not allow the specified replication action.

User Response: Migrate the Capture server control tables to *0801* before attempting this action.

ASN1565E The Replication action *action_name* ended in error. The Apply Control Server Replication architecture level does not support this replication action.

Explanation: The Replication architecture level found in the ASN.IBMSNAP_SUBS_SET does not allow the specified Replication action.

User Response: Migrate the Apply control server control tables to *0801* before attempting this action.

ASN1567W The table space container information for table space *tablespace_name* cannot be read, because the DB2 stored procedure *procedure_name* in the library *library_name* cannot be found.

Explanation: The DB2 Stored Procedure READTSCINFOS cannot be found on the Capture or target DB2 server. The stored procedure is required to retrieve DB2 table space container information for that server.

User Response: Determine whether the stored procedure exists on the server: check if the file db2rtsc exists in the function directory of the sqllib directory. The file db2rtsc might not exist if the server is a pre-V8 server. If the stored procedure does not exist, then edit the table space container definition provided in the output script.

ASN1568E The name length *length* for the DB2 object, *objectname* exceeds the allowed limit of *allowed_limit*.

Explanation: The DB2 object type provided in the second parameter allows a length that is smaller than the length of the actual object provided in the third parameter. As in the Properties file, the following values are valid for object: *Table, Index, Tablespace, Table owner*.

User Response: Refer to the DB2 SQL Reference, and provide the correct name length.

ASN1569E The name of the DB2 object to be created is identical to the existing name *objectowner.objectname* of type *objecttype*.

Explanation: The DB2 object cannot be created because there is already a DB2 object of the same type with the same name. As in the Properties file, the following values are valid for object: *Table, Index, Tablespace, Table owner*.

User Response: Provide a name for that object that does not already exist in DB2, and reissue the Replication task.

ASN1570E The DB2 object *object*, *objectowner.objectname* does not exist.

Explanation: The DB2 object does not exist in the DB2 catalog. This object must exist in order to be defined as a source or target of a subscription set, as per the replication action. This object might have been defined as part of an existing registration or subscription-set definition but is not found in the DB2 catalog. As in the Properties file, the following values are valid for object: *Table, Index, Tablespace, Table owner*.

User Response: Provide a name that already exists in DB2, and reissue the Replication task. If the object was defined as part of an existing registration or subscription-set definition, verify that the object exists in the DB2 catalog.

ASN1571E The DB2 table *tableowner.tablename* cannot be created: the DB2 definition is not valid for data type *datatype* and column *column_name*. The reason code is *reason_code*.

Explanation: The following values are valid for the *reason code*:

- 0 The datatype is not supported on this platform.
- 1 The length of the column is not supported on this platform.
- 2 The precision or scale of the column is not supported on this platform.

User Response: Refer to the SQL Reference for the appropriate DB2 platform.

ASN1572E The row size *row_size* for DB2 object *objectowner.objectname* of type *object_type* exceeds its DB2 buffer pool row size *bufferpool_rowsize*. The DB2 object cannot be created.

Explanation: The row size of a table cannot exceed the table space page size for that table. The table space page size is derived from the

buffer pool page size to which it belongs. No script is generated.

User Response: You might have to create the table in a different table space. Refer to your DB2 operating system documentation.

ASN1573E The number of columns *number_columns* for the DB2 object *objectowner.objectname* of type *object_type* exceeds the DB2 limit *db2_limit*. The DB2 object cannot be created.

Explanation: The number of columns a DB2 object (table or index) can contain depends on the DB2 operating system but cannot exceed a predefined number. No script is generated. The following values are valid for object type: *table*, *index*.

User Response: Redesign the DB2 object.

ASN1574E The DB2 page size *page_size* for Tablespace *tablespace_name* is not valid. Reason code *reason_code*.

Explanation: The PageSize must be valid for the table space to be created successfully. The following values are valid for reason code:

- 0 PageSize is not equal to the PageSize of the given buffer pool.
- 1 PageSize is not equal to one of the following: 4K, 8K, 16K, 32K.

User Response: Refer to the DB2 SQL Reference for appropriate PageSize ranges or values.

ASN1575W The DB2 table *tableowner.tablename* will be created in the DB2 default Tablespace.

Explanation: No table space name was specified indicating where to create the specified table, so the table will be created in the DB2 default table space. This might be a problem if the default table space specifications are not appropriate for the specified table.

User Response: Refer to the SQL Reference for the DB2 defaults. If you require the table to be in

its own table space, then reissue the Replication task with the appropriate specifications. No action is required if the default is appropriate for the table.

ASN1576W The DB2 index *index_name* will be created in the DB2 default Indexspace or Tablespace.

Explanation: A table space (for workstation operating systems) or an indexspace (for z/OS operating systems) was not provided into which the specified index might be created. Therefore, the index is created using the DB2 defaults. This might be a problem if the default specifications are not appropriate for the specified index.

User Response: Refer to the SQL Reference for the DB2 defaults. If you require the index to be in its own table space or indexspace, then reissue the Replication task with the appropriate specifications. No action is required if the default is appropriate for the index.

ASN1577W The DB2 table space *tablespace* will be created in the DB2 default database.

Explanation: For z/OS operating systems only, a database was not provided into which the specified table space might be created. Therefore, the table space is created using the DB2 defaults. This might be a problem if the default specifications are not appropriate for the specified table space.

User Response: Refer to the SQL Reference for the DB2 defaults. If you require the table space to be in its own database, then reissue the Replication task with the appropriate specifications. No action is required if the default is appropriate for the table space.

ASN1578I The DB2 table space *tablespace* will be created in the DB2 default storage group.

Explanation: For workstation and z/OS operating systems only, a storage group was not provided into which the specified table space might be created. Therefore, the table space is

created using the DB2 defaults. This might be a problem if the default specifications are not appropriate for the specified table space.

User Response: Refer to the SQL Reference for the DB2 defaults. If you require the table space to be in its own storage group, then reissue the Replication task with the appropriate specifications. No action is required if the default is appropriate for the table space.

ASN1579I The DB2 index *index_name* will be created in the DB2 default storage group.

Explanation: For workstation and z/OS operating systems only, a storage group was not specified into which the DB2 index might be created. Therefore, DB2 created the index using the default specification. This might be a problem if the default specifications are not appropriate for the specified index.

User Response: Refer to the SQL Reference for the DB2 defaults. If you require the index to be in its own storage group, then reissue the Replication task with the appropriate specifications. No action is required if the default is appropriate for the index.

ASN1580I The DB2 table space *tablespace* will be created in the DB2 default buffer pool.

Explanation: For workstation and z/OS operating systems only, a buffer pool was not provided into which the specified table space might be created. Therefore, the table space is created using the DB2 defaults. This might be a problem if the default specifications are not appropriate for the specified table space.

User Response: Refer to the SQL Reference for the DB2 defaults. If you require the table space to be in its own buffer pool, then reissue the Replication task with the appropriate specifications. No action is required if the default is appropriate for the table space.

ASN1581I The DB2 index *index_name* will be created in the DB2 default buffer pool.

Explanation: For workstation and z/OS operating systems only, a buffer pool was not provided into which the specified index might be created. Therefore, the index is created using the DB2 defaults. This might be a problem if the default specifications are not appropriate for the specified index.

User Response: Refer to the SQL Reference for the DB2 defaults. If you require the index to be in its own buffer pool, then reissue the Replication task with the appropriate specifications. No action is required if the default is appropriate for the index.

ASN1582W The Tablespace *tablespace* will be created in Buffer Pool *buffer_pool* but the buffer pool does not exist or is not active.

Explanation:

- For applications on a DB2 UDB database, the buffer pool does not exist into which the specified table space might be created.
- For applications on a DB2 for z/OS database, the buffer pool is not active into which the table space might be created.

User Response:

- For the DB2 UDB database, make sure that the buffer pool exists at the time of running the script.
- For a DB2 for z/OS database, make sure the buffer pool is active at the time of running the script.
-

ASN1583E The PageSize *page_size* for Tablespace *tablespace* does not match the default buffer pool PageSize.

Explanation: The given PageSize does not match the PageSize of the default buffer pool. The table space cannot be created.

User Response: Change the PageSize or choose another buffer pool.

ASN1584E The Replication action *action_name* ended in error. The Capture server Replication architecture level *arch_level* for Capture schema *capture_schema* is not a valid architecture level.

Explanation: The Replication architecture level found in the captureschema.IBMSNAP_REGISTER does not allow the specified Replication action.

User Response: Drop the control tables on the Capture control server manually because the architecture level is not supported. Create the control tables with a valid architecture level.

ASN1585E The Replication action *action_name* ended in error. The Apply control server Replication architecture level *arch_level* is not a valid architecture level.

Explanation: The Replication architecture level found in the ASN.IBMSNAP_SUBS_SET does not allow the specified Replication action.

User Response: Drop the control table on the Apply control server manually because the architecture level is not supported. Create the control tables with a valid architecture level.

ASN1586W The DB2 table *tableowner.tablename* will be created in the DB2 default database.

Explanation: For z/OS operating systems only, a database was not provided into which the specified table might be created. Therefore, the table is created using the DB2 defaults. This might be a problem if the default specifications are not appropriate for the specified table.

User Response: Refer to the SQL Reference for the DB2 defaults. If you require the table space to be in its own database, then reissue the Replication task with the appropriate specifications. No action is required if the default

is appropriate for the table.

ASN1587E The value *value* for the parameter *parameter_name* of the DB2 object *db2object_name*, which has a type of *type*, is not valid.

Explanation: The provided value is not valid or conflicts with another parameter value.

User Response: Refer to the SQL Reference for valid values.

ASN1588E The value *encoding_scheme* provided for the parameter *encoding scheme* is not valid for the DB2 server *server_name*.

Explanation: The provided value for the encoding scheme is not valid for the DB2 version of the server. No script is generated.

User Response: Refer to the SQL Reference for a valid value of the encoding schema for the DB2 version.

ASN1589W The calculation of the size of the table space container *container* of the table space *tSPACE* resulted in an incorrect container size. Therefore the container size has been changed to size *size* megabytes.

Explanation: The calculation of the table space container size has resulted in a value that is too low to be used in a valid table space container definition. To ensure that the definition will be accepted by DB2, a replication specific minimum container size has been provided for the table space container definition.

User Response: For the calculation based on a percentage of the current source table size, check whether the source table contains data and if the statistics of the source table are up to date (using the RUNSTATS utility) . For the calculation based on a number of rows, check whether the number of rows is realistic.

ASN1590E The DB2 table space *table_sp_name* is partitioned and in the DB2 *object_type* group. It should not be partitioned and it should be in the *object_type* IBMCATGROUP.

Explanation: The provided table space is a partitioned table space and does not reside on the DB2 catalog node or partition group. Creation of the Replication control tables in a partitioned table space is not supported. No Script is generated.

User Response: Specify a table space that is not partitioned.

ASN1600E The REMOTE SERVER *remote_servername* cannot be found.

Explanation: The specified remote server name cannot be found in the Federated Catalog table SYSIBM.SYSSERVERS, column REMOTE_SERVER. The non-DB2 relational server cannot be accessed.

User Response: Verify the input provided for the remote server name and call the action again, or populate the Federated Catalog table appropriately.

ASN1601E The REMOTE AUTHID information for the REMOTE SERVER *remote_servername* cannot be found.

Explanation: The remote authentication information cannot be found in the Federated Catalog table SYSIBM.SYSXXXXX, for the REMOTE_SERVER value provided. The non-DB2 relational server cannot be accessed.

User Response: Verify the input provided for the remote server name and call the action again, or populate the Federated Catalog table appropriately.

ASN1602E The server *server_alias* does not support access to Federated servers.

Explanation: The Federated replication functions are only supported on the DB2 UDB Workstation V8 and higher.

User Response: Make sure the specified database server is one of those listed above or do not issue the replication task against a server that does not support it.

ASN1603E The Replication Apply control server cannot reside on a non-IBM server.

Explanation: Non-DB2 relational servers can be replication Capture control servers or target servers, but they cannot be Apply control servers.

User Response: Specify a DB2 server as the Replication Apply control server.

ASN1604E The remote table *remoteowner.tablename* exists in the non-IBM server, but the provided nickname *nicknameowner.nickname* cannot be found in the Federated server.

Explanation: The specified remote table exists in the remote database but the corresponding nickname is not found in the federated database.

User Response:

1. Refer to the DB2 Federated manuals on how to create a nickname.
2. Create the nickname in the federated database.
3. Issue the Replication task again.

ASN1605E The nickname *nicknameowner.nickname* exists in the Federated server but the remote table *remoteowner.remotetable* cannot be found in the non-IBM server.

Explanation: The nickname for the specified remote table exists but the corresponding remote table does not exist in the remote database. This is an inconsistent state of definitions when creating Replication definitions.

User Response:

1. Drop the nickname.
2. Depending on the table type, perform the following actions:
 - If the table is a user table, create the remote table in the remote server.
 - If the table is a replication control table on the Capture control server, perform the following actions:
 - a. Copy the data from the existing control tables on the Capture control server.
 - b. Drop the control tables on the Capture control server.
 - c. Create the control tables on the Capture control server.
3. Create the Nickname in the federated server.
4. Issue the Replication task again.

ASN1606W The nickname *nickname_owner.nickname_name* exists in the Federated server but the remote table *table_owner.table_name* cannot be found in the non-IBM server.

Explanation: The nickname for the specified remote table exists but the corresponding remote table does not exist in the remote database. Although this is an orphan nickname, this inconsistent state is still tolerated when dropping Replication definitions. A script is generated.

User Response: The source nickname is not dropped when dropping the replication definitions. To ensure a consistent catalog, drop the nickname.

ASN1607W It is strongly recommended to alter the nickname *nickname_owner.nickname_name* defined for the Replication subscription target: to alter the local data type of column *column_name* from *existing_local_datatype* to *recommended_local_datatype* and ensure the proper source to target column data type mapping.

Explanation: A mismatch was found between a source column data type and its corresponding nickname target column data type, that does not violate DB2 compatibility rules, but that might cause a problem to native non-IBM end-user applications. The problem does not occur during replication of the column data. The problem does occur if end-user applications retrieve the data. For example, if the nickname data type is created using the default mappings from the non-DB2 relational data type to the DB2 data type, the column will hold the broadest range of data type values, which might clash with the end-user application requirement of a more restrictive data type. A script is generated.

User Response: Check the target to ensure that the nickname data type you need at the target is indeed the source column data type. If it is, then issue an 'ALTER NICKNAME' statement to change the local data type of the nickname column. When you alter the nickname local data type to be the same as the source column data type, you enforce that the end-user application on the non-DB2 relational server sees the same data type as the source column data type.

ASN1608I The nickname *source_nickname* for the source and the nickname *ccd_nickname* for the Consistent Change Data table have a column data type that is altered: the local data type column *local_datatype* is set to *changed_datatype* because the remote data type is *remote_datatype*. Reason Code *reason_code*.

Explanation: This message is issued at the time of creating the nickname for the CCD. The nickname is altered based on the data type of the CCD created in the non-DB2 relational server, to ensure the proper data type setting. Failure to do so would result in improper Replication behavior. A script is generated, that updated user-provided definitions.

User Response: No action is required if the Replication updates are acceptable.

ASN1609E The nickname *nicknameowner.nickname* exists in the Federated server but the remote table *remotetowner.remotetable* does not contain all the necessary columns.

Explanation: The target table nickname exists, and contains only a subset of the columns requested in the subscription.

User Response: Use another Nickname as the target table or change the subscription to match the columns in the existing nickname.

ASN1620E Both Capture server control tables and Apply control server control tables already exist. Capture server control tables exist with architecture level *capturearch_level* and Capture Schema *capture_schema*. Apply control server control tables exist with architecture level *applyarch_level*.

Explanation: The tables `captureschema.IBMSNAP_REGISTER` and

`captureschema.IBMSNAP_SUBS_SET` already exist at the given server.

User Response:

- If the architecture level of the existing `captureschema.IBMSNAP_REGISTER` control table is *0201*:
 - if the existing `captureschema.IBMSNAP_REGISTER` is already populated with valid Replication definitions, migrate the Capture server control tables to the *0801* architecture,
 - if the table is empty, simply drop the pre-V8 Capture server control tables and reissue the Replication task again.
- If the architecture level of the existing control tables is not *0201*, consider creating Capture server control tables with a different capture schema name.
- If the architecture level of the existing `IBMSNAP_SUBS_SET` control table is *0201*:
 - if the existing `ASN.IBMSNAP_SUBS_SET` table is already populated with valid Replication definitions, migrate the Apply control server control tables to the *0801* architecture,
 - if the table is empty, simply drop the pre-V8 Apply control server control tables and reissue the Replication task again
- If the architecture level of the existing control tables is not *0201*, consider creating Apply control server control tables on a different server.

ASN1621W At least one row was found in the control table *controloverner.controltable*. Dropping of this control table will result in dropping of all Replication definitions stored in the table.

Explanation: The control tables that are dropped are not empty. Replication control information is deleted if the generated scripts are executed.

User Response: Run the generated scripts only if you can ensure the following dependencies:

- Understand the impact to existing dependent subscription sets of dropping the control tables from the Capture control server.
- Understand the impact to existing dependent subscription sets (for multi-tier scenarios) of dropping control tables from the Apply control server.
- You do not want Replication to run the Capture or the Apply processes for these definitions anymore.

If the architecture level is *0201*, migrate the Capture or Apply control server control tables to the *0801* architecture before dropping the control tables.

ASN1622E **The Replication action *action_name* ended in error. The required control table *controlowner.controltable* could not be found.**

Explanation: Replication definitions are stored in Replication control tables. These tables must exist before a registration or subscription definition can be created. The existence of the IBMSNAP_REGISTER table is used to check if the control tables for the Capture control server already exist for a particular Capture schema. The existence of the IBMSNAP_SUBS_SET table is used to check if the control tables on the Apply control server already exist. The existence of IBMSNAP_SUBS_MEMBR is checked at the time of checking for the existence of a subscription member.

User Response: If the control table IBMSNAP_SUBS_MEMBR table does not exist, then your environment is in an inconsistent state. You must drop all the control tables from the Apply control server and then create them before attempting the action.

Alternatively, if the control tables IBMSNAP_REGISTER or IBMSNAP_SUBS_SET do not exist, create them before adding registration or subscription definitions on a control server. Otherwise, you can do the following:

1. If you are doing a registration-related action, check if the appropriate Capture schema was

provided; or if the appropriate Capture control server was provided as input.

2. If you are doing a subscription-related action, check if the appropriate Apply control server was provided as input.
3. If you are creating a subscription set that contains target tables that need to be auto-registered at the target server (CCD or replica), then check if the appropriate control tables for the Capture control server exist at the subscription target server.

ASN1623W **The Replication control table, *controlowner.controltable* could not be found and is not dropped.**

Explanation: The *Drop Capture control tables* or *Drop Apply control server control tables* action was issued and the control table was missing. The script will not generate the appropriate DROP statement for that control table.

User Response: This message is for your information only, and no action is required.

ASN1624I **The server *server_alias* is not a known Replication Capture server for *capture_schema*.**

Explanation: The captureschema.IBMSNAP_REGISTER table could not be found. A server is defined as a Replication Capture server when the appropriate Capture server control tables (including the IBMSNAP_REGISTER table) exist on the server.

User Response: Create the appropriate Capture server control tables, if needed.

ASN1625I **The server *server_alias* is not a known Replication Apply control server.**

Explanation: The ASN.IBMSNAP_SUBS_SET table could not be found. A server is defined as a Replication Apply control server when the appropriate Apply control server control tables (including the IBMSNAP_SUBS_SET table) exist on the server.

User Response: Create the appropriate control

tables on the Apply control server, if needed.

ASN1626E **Capture server control tables already exist for architecture level *arch_level* with the same Capture schema.**

Explanation: The table captureschema.IBMSNAP_REGISTER already exists at the given server.

User Response:

- If the architecture level of the existing captureschema.IBMSNAP_REGISTER table is *0801*, consider the following options:
 - Running the command is not necessary because the tables already exist with the same Capture schema.
 - Run the command under a different Capture schema.
- If the architecture level of the existing captureschema.IBMSNAP_REGISTER control table is *0201*:
 - Migrate the Capture control server control tables to the *0801* architecture, if the existing captureschema.IBMSNAP_REGISTER is already populated with valid Replication definitions.
 - If the control table is empty, simply drop the pre-V8 Capture server control tables and issue the Replication task again.

Otherwise, the architecture level is not valid. You need to drop the tables manually before attempting to create the tables.

ASN1627E **Some Capture server control tables already exist with the same Capture Schema but for which an architecture level cannot be determined.**

Explanation: The table captureschema.ASN.IBMSNAP_REGISTER does not exist although other Capture server control tables were found at the given server. Capture server control tables cannot be created until the tables are dropped. The Replication definitions at the Capture server are in an inconsistent state.

User Response: Drop the remaining Capture server control tables to clean up the Capture control server definitions, and reissue the Create control table task. Loss of data occurs, so look at the content of the remaining control tables before issuing the drop task.

ASN1628E **The Capture server control tables are not at the architecture level requested.**

Explanation: The table captureschema.IBMSNAP_REGISTER does not exist with the provided architecture level. No script is generated.

User Response: Issue the replication task again at the appropriate architecture level for the appropriate Capture control server and Capture schema.

ASN1629E **No Capture server control tables were found for the provided Capture schema.**

Explanation: No control tables exist on the Capture control server. No control tables are dropped, and no script is generated.

User Response: Issue the replication task again at the appropriate architecture level for the appropriate Capture control server and Capture schema.

ASN1630W **Some Capture server control tables already exist with Capture Schema *capture_schema* but their architecture level cannot be determined. The Replication action *action_name* for the provided architecture level *arch_level* and Capture Schema will drop control tables that might not belong to the architecture level provided.**

Explanation: The table captureschema.IBMSNAP_REGISTER does not exist on the Capture server. The Replication architecture level is unknown, and if you provide an incorrect architecture level, you might lose

critical data. No checks occur to determine whether a particular Capture server control table architecture level can be inferred. The control table is dropped if it exists. A script is generated.

User Response: Issue the task again with the appropriate architecture level for DB2 replication.

ASN1631E Apply control server control tables already exist for architecture level *arch_level*.

Explanation: The table ASN.IBMSNAP_SUBS_SET already exists at the given server. No script is generated.

User Response: If the architecture level of the existing ASN.IBMSNAP_SUBS_SET control table is *0201*:

- If the existing ASN.IBMSNAP_SUBS_SET is already populated with valid Replication definitions, Apply control server control tables to the *0801* architecture,
- If the table is empty, simply drop the pre-V8 Apply control server control tables and reissue the Replication task again.

Otherwise, the architecture level is not valid. You need to drop the tables manually before attempting to create the tables.

ASN1632E Some Apply control server control tables already exist but for which an architecture level cannot be determined.

Explanation: The table ASN.IBMSNAP_SUBS_SET does not exist although other Apply control server control tables were found at the given server. Apply control server control tables cannot be created until the tables are dropped. The Replication definitions at the Apply control server are in an inconsistent state. No script is generated.

User Response: Drop the remaining control tables on the Apply control server to clean up the Apply control server replication definitions. Reissue the *Create control table* task. Loss of data occurs, so look at the content of the remaining control tables before issuing the *Drop* task.

ASN1633E The Apply control server control tables are not at the architecture level requested.

Explanation: The table ASN.IBMSNAP_SUBS_SET does not exist with the provided architecture level. No script is generated.

User Response: Issue the replication task again at the appropriate architecture level for the appropriate Apply control server.

ASN1634E No Apply control server control tables were found.

Explanation: There are no control tables to drop from the Apply control server. No script is generated.

User Response: Issue the replication task again at the appropriate architecture level for the appropriate Apply control server.

ASN1635W Some Apply control server control tables already exist but their architecture level cannot be determined. The Replication action *action_name* for the provided architecture level *arch_level* will drop control tables that might not belong to the architecture level provided.

Explanation: The table ASN.IBMSNAP_SUBS_SET does not exist on the Apply control server. The Replication architecture level is unknown, and if you provide an incorrect architecture level, you might lose critical data. No checks occur to determine whether a particular Apply control server control table architecture level can be inferred. If the control table exists, it is dropped. A script is generated.

User Response: Reissue the task with the appropriate architecture level for DB2 replication.

ASN1636E The Replication Action of Manual Full Refresh ended with an error for the Apply qualifier *apply_qual* and set name *set_name*. The synchpoint in the *captureschema.IBMSNAP_PRUNCNTL* table for the source member *sourceowner.sourcetable* and the target member *targetowner.target_table* is not translated by the Capture program.

Explanation: The synchpoint is either less than 0 or equal to hex zeros.

User Response: Make sure you run the before load script to translate the hex zeros and capture is running on the server.

ASN1637E The replication action 'Manual Full Refresh' ended in error for the Apply qualifier *apply_qualifier* and the set name *set_name*. The target structure of at least one of the target subscription-set members in the given subscription set is greater than eight. None of the subscription-set members is eligible for a manual full refresh.

Explanation: The target structure of at least one of the target subscription-set members in the given subscription set is greater than eight. A manual full refresh does not support target structures that are greater than eight.

User Response: Make sure that the target structure of the subscription-set member is less than or equal to eight, and then reissue the replication task.

ASN1638W The subscription-set member with a target of *targetowner.targetname* and a source of *sourceowner.sourcename* is not complete. This subscription-set member is not included in the manual full refresh.

Explanation: The manual full refresh supports complete targets only. The given subscription-set member is not complete and cannot be included.

User Response: No action is required.

ASN1639E The replication action 'Manual Full Refresh' ended in error for the Apply qualifier *apply_qualifier* and the set name *set_name*. None of the target subscription-set members in the given subscription set is complete or eligible for a manual full refresh.

Explanation: The manual full refresh supports complete targets only, and none of the targets is complete.

User Response: Make sure that at least one of the subscription-set members in the subscription set is complete, and reissue the replication task.

ASN1640E The replication action ended in error for the Apply qualifier *apply_qualifier* and the set name *set_name*. There are no subscription-set members in the subscription set.

Explanation: The subscription set does not contain any subscription-set members.

User Response: Add at least one subscription-set member to the subscription set, and reissue the replication task.

ASN1641E The replication action *action_name* ended in error. This action on an OS/400 system is supported only through OS/400 commands.

Explanation: Neither the replication center nor the command line supports the replication action on an OS/400 system. The possible actions might be: creating capture server control tables, creating apply server control tables, dropping capture server control tables, or dropping apply server control tables.

User Response: Issue OS/400 commands to perform the replication action.

ASN1650I The replication action *action_name* started at *timestamp*. The monitor server is *server_name* and the *Group_or_Contact* name is *group_name_or_contact_name*.

Explanation: The replication action started at the specified monitor server.

User Response: This message is for your information only, and no action is required.

ASN1653I The replication action *action_name* for *group_contact_or_condition_name* ended successfully at *timestamp*. The monitor server is *server_name*.

Explanation: The replication action ended successfully at the specified monitor server.

User Response: This message is for your information only, and no action is required.

ASN1654E The replication action *action_name* ended in error. The length of the input parameter *parameter-name*, *parameter_length* exceeds the limit *maximum-limit*.

Explanation: The length of the specified input parameter is longer than the maximum allowable length. No script is generated.

User Response: Verify the input parameter value, and re-enter the parameter value.

ASN1655E The replication action *action_name* ended in error. The value *input_value* of the input parameter *input_parameter* is incorrect.

Explanation: The value of the specified input parameter is not correct.

User Response: Refer to your documentation for valid parameter values.

ASN1656E The replication action *action_name* ended in error. The value of the input parameter *input_parameter* is missing.

Explanation: A value for this specified input parameter is mandatory for this action. However, the value is missing. No script is generated.

User Response: Enter a value for this mandatory input parameter, and rerun the replication action.

ASN1657E The replication action *action_name* ended in error. At least one optional parameter value must be specified.

Explanation: You must specify at least one optional parameter value when issuing a command in which each parameter value is optional. No script is generated.

User Response: Issue the command again with the correct parameters.

ASN1658E The replication action *action_name* ended in error. The value *value1* of the input parameter *input_parameter1* must be different than the value *value2* of the input parameter *input_parameter1*.

Explanation: The value of one input parameter is the same as the value of another input parameter and will result in the creation of inconsistent definitions. No script is generated.

User Response: Issue the command again with valid parameter values.

ASN1659E The replication action *action_name* ended in error. The contact *contact-name* already exists.

Explanation: The specified contact name already exists in one of the rows in the ASN.IBMSNAP_CONTACTS table. Contact names must be unique. No script is generated.

User Response: Issue the command again with a different contact name.

ASN1660E The replication action *action_name* ended in error. The contact *contact-name* does not exist.

Explanation: The specified contact name does not exist in any of the rows in the ASN.IBMSNAP_CONTACTS table. The contact name must exist in the ASN.IBMSNAP_CONTACTS table before you can alter, substitute, delegate, or drop the name. No script is generated.

User Response: Issue the command again with a different contact name.

ASN1661E The replication action *action_name* ended in error. The contact *contact-name* cannot be dropped, because dropping the contact empties each associated group.

Explanation: A group should have at least one associated contact. The specified contact is the last contact in each associated group, and the last contact cannot be dropped. No script is generated.

User Response: Drop each associated group before attempting to drop the contact.

ASN1662E The replication action *action_name* ended in error. The contact *contact-name* cannot be dropped, because the contact is associated with one or more conditions.

Explanation: The contact name that you are attempting to drop is the only contact associated with conditions for either the Capture or Apply

components. No script is generated.

User Response: Use the SUBSTITUTE option in the DROP CONTACT command, or use the SUBSTITUTE command to change the contact name of the conditions. If you do not need the conditions, drop the conditions and then drop the contact.

ASN1663E The replication action *action_name* ended in error. The value *startdate_value* that is specified for the start date is greater than the value *enddate_value*, which is specified for the end date.

Explanation: You cannot enter a start date that is beyond the end date. No script is generated.

User Response: Issue the command again with a valid combination of dates.

ASN1664E The replication action *action_name* ended in error. The group *group-name* already exists.

Explanation: The specified group name already exists in one of the rows in the ASN.IBMSNAP_GROUPS table. Group names must be unique.

User Response: Change the group name, and issue the command again.

ASN1665E The replication action *action_name* ended in error. The group *group_name* does not exist.

Explanation: The specified group name does not exist in any of the rows in the ASN.IBMSNAP_GROUPS table. The group name must exist in the ASN.IBMSNAP_GROUPS table before you can alter or drop the group name. No script is generated.

User Response: Verify the group name, and reissue the command.

ASN1666E The replication action *action_name* ended in error. The group *group_name* cannot be dropped because it is associated with one or more conditions.

Explanation: The group that you are attempting to drop is the only group associated with conditions for either the Capture or Apply components. No script is generated.

User Response: In order to drop the group, alter the contacts of the associated conditions and then reissue the command.

ASN1667E The replication action *action_name* ended in error. The contact *contact-name* is not associated with the specified group *group_name*.

Explanation: The contact name that you are attempting to drop is not associated with the specified group.

User Response: Verify the specified contact name and reissue the command.

ASN1668E The replication action *action_name* ended in error. The contact *contact-name* is already associated with the specified group *group_name*.

Explanation: The contact name that you specified is already associated with the specified group.

User Response: No action is required.

ASN1671E The replication action *action_name* ended in error. The alert condition *condition-name* already exists for the monitor qualifier *mon-qual*, the server *server-name*, the schema or qualifier *schema-or-qualifier*, and the subscription-set name *set-name*.

Explanation: The alert condition that you are attempting to create already exists with the same

specified parameters on the monitor control server.

User Response: Verify this alert condition and issue the command again.

ASN1672E The replication action *action_name* ended in error. The alert condition *condition-name* does not exist for the monitor qualifier *mon-qual*, the server *server-name*, the schema or qualifier *schema-or-qualifier*, and the subscription-set name *set-name*.

Explanation: The alert condition that you are attempting to drop or to alter does not exist on the monitor control server.

User Response: Verify the alert name and issue the command again.

ASN1673W The condition *condition_name* is valid only at the apply qualifier level.

Explanation: The condition name is not valid with a subscription-set name value. The name of the subscription set will be ignored.

User Response: Do not specify the subscription-set name value.

ASN1674W The condition *condition_name* is valid only with update-anywhere subscription sets.

Explanation: The condition name is valid only with update-anywhere subscription sets.

User Response: Do not set this condition. This condition will be ignored.

ASN1675I This is a test message from the Replication Center.

Explanation: This message is used to send a test e-mail verifying the e-mail address entered in the contact.

User Response: This message is for your information only, and no action is required.

ASN1677E The replication action *action_name* ended in error. The apply qualifier *apply-qual* and the subscription-set name *set-name* do not exist on the server *server-name*.

Explanation: The apply qualifier and the subscription-set name do not exist in the ASN.IBMSNAP_SUBS_SET table on the specified apply control server.

User Response: Supply a valid apply qualifier and a valid subscription-set name.

ASN1678E The replication action *action_name* ended in error. The capture schema *cap-schema* does not exist on the server *server-name*.

Explanation: The capture schema does not exist in the ASN.IBMSNAP_CAPSCHEMAS table on the specified capture control server.

User Response: Supply a valid capture schema.

ASN1679E The replication action *action_name* ended in error. The contact *contact_name* that you attempted to substitute is not associated with a condition.

Explanation: The contact name does not exist in the ASN.IBMSNAP_CONDITIONS table. A contact can be substituted only if it exists in the ASN.IBMSNAP_CONDITIONS table. No script is generated.

User Response: Supply a valid contact name.

ASN1680I The Replication action *action_name* started at *time*. The Monitor server is *server_name*.

Explanation: This message is for your information only.

User Response: No action required.

ASN1681E The Replication action ended in error. Monitor control tables already exist for Architecture *Levelarch_level*.

Explanation: The monitor control tables already exists at the monitor server.

User Response: If the architecture level of the existing monitor tables is 0801, there is no need to run the command since the tables already exist.

ASN1682E The Replication action ended in error. No Monitor control tables were found.

Explanation: There are no Monitor control tables to drop. No script will be generated.

User Response: Issue the replication task again for the appropriate server containing the Monitor control tables.

ASN1700E The column *tableowner.tablename.columnname* of data type *data_type* cannot be included in the registration. Reason Code *reason_code*.

Explanation: The column cannot be supported by the Replication Capture mechanism, as defined. No script for the registration of the column specified is generated. The following values are valid for the reason code:

- 0 The data type is not supported.
- 1 The column is already registered.
- 2 z/OS fieldproc column.
- 3 This column does not qualify as a before-image column.
- 4 The data type is not supported through DB2 for federated.
- 5 The column does not exist in the source object.
- 6 The maximum number of registered LOB columns was exceeded for that table.

- 7 The column name starts with the before-image prefix.
- 8 This column does not qualify as a before-image column or as an after-image column.

User Response: Check the Reason Code to get the reason why the column cannot be registered. Refer to the DB2 Replication Guide and Reference for additional explanations or restrictions.

ASN1701E The provided locksize value *lock_size* for the given table space *tablespace_name* is not valid.

Explanation: Locksize should be equal to the P(PAGE), R(ROW) or A(ANY), in the case of z/OS operating system.

User Response: Provide the correct locksize and submit your action again.

ASN1702W Replication definitions for the registered column *objectowner.objectname.columnname* has been changed to support null values.

Explanation: before-image columns are required to support null values. If no before-image column value is present, an INSERT statement will fail. A script is generated to update user-provided definitions.

User Response: This message is for your information only; no action is required.

ASN1703E The table *tableowner.tablename* cannot be registered for change-capture replication. Reason code *reason_code*.

Explanation: The table cannot be supported by the Replication Capture mechanism, as defined. No script is generated. The following values are valid for the reason code:

- 0 The table with a z/OS validproc.
- 1 Existing internal CCD table.

- 2 Existing CD table.
- 3 DB2 catalog table (Windows, UNIX, iSeries)
- 4 The table is already registered.
- 5 The source for an internal CCD table is not a registered source.
- 6 The source is a CD table and cannot be registered.
- 7 This source name is a duplicate for this session.
- 8 The source is a replication control table.
- 9 Not one of the source columns qualifies for registration.
- 10 The maximum number of registered LOB columns has been exceeded for this table.
- 11 Structured data types are not supported.
- 12 The before-image prefix can be only one character.
- 13 An internal error occurred.

User Response: Check the Reason Code to get the reason why the table cannot be registered for change-capture replication. Refer to the DB2 Replication Guide and Reference for additional explanations and restrictions.

ASN1704E The view *viewowner.viewname* cannot be registered. Reason code *reason_code*.

Explanation: The view cannot be supported by the Replication Capture mechanism, as defined. No script is generated. The following values are valid for the reason code:

- 0 None of the dependent tables for the view are registered.
- 1 The registered source columns on which the view is dependent are not registered.
- 2 The view is on an internal ccd.
- 3 The view is already registered.

- 4 The view has an 'OUTER JOIN' syntax.
- 5 The view includes more than one table or view column with a function, and no correlation is provided in the view definition for each table.
- 6 The view contains a reference to an aggregate function.
- 7 The view contains a subselect/subquery.
- 8 The view contains a reference to another view.
- 9 The view has an UNION.
- 10 No correlation is provided for the column.
- 11 The base table does not have the schema name.
- 12 The base table does not exist.
- 13 The view contains Table Expression as Table.
- 14 The dependent table does not exist.
- 15 A view on view cannot be registered.
- 16 The given source object is not a view.
- 17 This source view is a duplicate for this session.
- 18 The view definition cannot be supported.
- 19 The view has an asterisk (*) instead of a specific column name in the view definition.
- 20 The view contains the join of a CCD and a non-CCD table.

User Response: Check the Reason Code to get the reason why the view cannot be registered. Refer to the DB2 Replication Guide and Reference for additional explanations and restrictions.

ASN1705E The change data object, *objectowner.objectname* already exists in the server.

Explanation: The change data table or view cannot be used for the current source to be registered, because it already exists at the Capture server. No script is generated.

User Response: Provide a different name for the change data object.

ASN1706W A column *column_name* is added to a registered source *sourceowner.source_name*. The registered source maintains an Internal CCD table. The new column has to be first added to the CCD table subscription member before adding to any existing or not-yet existing subscription member.

Explanation: If the new column is needed in dependent subscription sets, you first have to add the column to the internal CCD subscription member before adding the column to any subscription member needed.

User Response: Provide a different name for the change data object.

ASN1707W The Replication action Alter Registration for *sourceowner.source_name* is not in effect until a Capture REINIT command is issued at the Capture server.

Explanation: The registered source is successfully updated. However, the Capture program does not recognize the corresponding captureschema.IBMSNAP_REGISTER table updates until a REINIT command forces it to do so. A script is generated. A Capture command is required afterwards for the effect of the script to be in action.

User Response: To make the changes effective immediately:

1. Run the generated script.

2. Issue a REINIT of the appropriate Capture program, for the appropriate Capture schema.

ASN1708E The table, view or nickname *objectowner.objectname* is not a Replication registered source.

Explanation: The Replication object specified above is not defined in the replication control tables. No script is generated.

User Response: Ensure that the object is correctly specified in the command and it exists.

ASN1709W Associated subscription sets will not be valid after the registered source *sourceowner.sourcename* is dropped.

Explanation: Subscription members rely on the underlying source registrations that define the source member. If you drop a registered source table, the dependent source members of a subscription set are no longer valid. The subscription sets that are associated with the specified registration source can be found in the captureserver.IBMSNAP_PRUNCNTL table at the Capture control server, where the SOURCE_OWNER and SOURCE_TABLE correspond to the registered source that is dropped. The appropriate Apply control server and subscription set names are columns in the IBMSNAP_PRUNCNTL table. The associated subscription sets fail if Apply is running. A script is generated.

User Response: Deactivate or drop the dependent subscription sets before running the script, if the registered source has dependent subscription sets.

ASN1710W Dependent view registered sources will not be valid after the registered source *sourceowner.sourcetable* is dropped.

Explanation: View registrations rely on the underlying registration of the tables that make up the view definition. If you drop a registered source table, you invalidate any view registration that is based on the table. The views that might

be affected can be found in the captureserver.IBMSNAP_REGISTER table at the Capture server, where the PHYS_CHANGE_OWNER and PHYS_CHANGE_TABLE are the same as the CD_OWNER and CD_TABLE of the registered source that is dropped. The associated subscription sets, which depend on the view registrations, fail, if Apply is running. A script is generated.

User Response: Deactivate or drop the appropriate subscription sets, or view registrations, before running the script, if the registered source has dependent view registrations.

ASN1711W The source *sourceowner.sourcename* is still active so dropping it will result in a Capture failure.

Explanation: An active registration has a SYNCHPOINT value that is not null in its captureschema.IBMSNAP_REGISTER table. When the Capture program started, it expected all active registrations to always exist and be valid. So the Capture program needs to be signaled that a registered source was dropped because the drop action invalidates the registration information. Failure to provide that information to the Capture program causes the Capture program to fail. A script is generated, but is NOT ready to run.

User Response:

1. Deactivate the appropriate registration (via the Replication Center GUI, or by issuing the STOP signal and a command type of CMD).
2. Wait for a SIGNAL_STATE of Complete in the captureschema.IBMSNAP_SIGNAL table.
3. Run the script that drops the registration.

ASN1712E The table, view, or nickname *objectowner.objectname* is not a valid Replication registered source. Reason code *reason_code*.

Explanation: Inconsistent information was found for this registered source in the Capture server control tables. No script is generated.

User Response: Drop the registered source and create the registration again.

ASN1713E **The registered source**
sourceowner.sourcename **cannot be**
deactivated. Reason code
reason_code.

Explanation: The following values are valid for reason code:

- 0 The source is registered as a FULL REFRESH and therefore cannot be deactivated.
- 1 The source is a CCD and CCD registrations cannot be deactivated.
- 2 The source is a view and view registrations cannot be deactivated.

User Response: This message is for your information only, and no action is required.

ASN1714E **The registered source**
sourceowner.sourcename **cannot be**
altered. Reason code *reason_code.*

Explanation: The following values are valid for the reason code:

- 0 The CD table for this source has RRN column (iSeries only). The RRN column must be the last column in the table, so the source cannot be altered.
- 1 The source is a view, and view registrations cannot be altered.
- 2 The source is registered for full refresh and cannot be altered.
- 3 The source table column does not match the column being altered.
- 4 The column is a LOB, DATALINK, or ROWID data type and does not qualify for a before-image value.
- 5 The before-image column value cannot be null.
- 6 An after-image value has not been registered for the given column.

7 The before-image prefix cannot be updated if it is used with an existing registered source.

8 The use of the current before-image prefix makes one of the columns ambiguous in this registered source.

9 The before-image prefix can be only one character.

10 An internal error occurred.

User Response: This message is for your information only, and no action is required.

ASN1715E **The Replication action ended in error. The native OS/400 message is** *as400native_message.*

Explanation: An error was encountered while issuing the appropriate command on the OS/400 operating system or iSeries servers. No script is generated.

User Response: Refer to the OS/400 Console Log for more detailed error information.

ASN1716W **The Replication action ended with a warning. The native OS/400 message is** *as400native_message.*

Explanation: A warning was encountered while issuing the appropriate command on the OS/400 operating system or iSeries server. A script is generated.

User Response: Refer to the iSeries Console Log for more detailed warning information.

ASN1717I **The Replication action ended with an Informational Clause. The native OS/400 message is** *as400native_message.*

Explanation: An informational message was encountered while issuing the appropriate command on the OS/400 operating system or iSeries server. A script is generated.

User Response: This message is for your information only, and no action is required.

ASN1718E The nickname
nicknameowner.nickname **cannot be registered. Reason code** *reasoncode*.

Explanation: The nickname is not supported by the replication capture mechanism, as defined. No script is generated. The following values are valid for the reason code:

- 0 The internal CCD table (your cd table) already exist.
- 1 The nickname is on the native catalog table.
- 2 The nickname is already registered.
- 3 A federated registration expects a nickname as a source to be registered
- 4 No columns are eligible for the Capture program.
- 5 The provided nickname is a duplicate from an earlier registration, but the corresponding script has not been executed.
- 6 A federated registration supports only user tables.
- 7 A federated registration supports only noncondensed and noncomplete CCD tables.
- 8 The CCD nickname provided is a duplicate of a CCD nickname from an earlier registration, but the script for that registration has not yet been executed.

User Response: Check the reason code to determine why the nickname cannot be registered. See the online help for additional explanations or restrictions.

ASN1719W The non-IBM triggers that were defined for registered source
nicknameowner.nickname **will be dropped. Any additional logic later provided by users in these triggers will be lost.**

Explanation: Dropping a registered source implies dropping all the objects that were created

during the source registration, regardless of later updates. A script is generated.

User Response: Copy the trigger logic before dropping the registered source, if needed.

ASN1720E Change Data table information for the source nickname
nicknameowner.nickname **is not found in the**
captureschema.IBMSNAP_REGISTER
table.

Explanation: A row is found in the *captureschema.IBMSNAP_REGISTER* table for the given source nickname but the CCD table information for that source is missing. The Change data table information is required to drop the replication definitions. A script is not generated.

User Response: Please make sure the correct source name is given and call the action again.

ASN1722W The view *view_owner.viewname* **will be registered as full refresh, because all the base tables of this view are registered as full refresh.**

Explanation: The view must be registered as full refresh, because the base tables of this view are registered as full refresh only or are not registered replication sources.

User Response: No action is required.

ASN1723W The view *viewowner.viewname* **will be registered for change-capture replication, because one or more base tables from this view are registered for change-capture replication.**

Explanation: The view must be registered for change-capture replication, because the base tables of this view are registered for change-capture replication.

User Response: No action is required.

ASN1724E The name of the object that you are creating on the non-DB2 relational server is identical to the *objectowner.objectname* of type *objecttype*.

Explanation: The object that you specified cannot be created, because there is an existing object with the same type and same name on the non-DB2 relational server.

User Response: Provide a unique name for the object, and reissue the Replication task.

ASN1725W The trigger named *triggerowner.trigger_name* already exists on the remote table *remoteowner.remotetablename*. You must not run the generated script until you have determined how to merge the contents of the existing trigger with the generated trigger definition.

Explanation: An trigger with this name already exists on the remote table in the non-DB2 relational database. The RDBMS might not indicate a conflict and might subsequently overwrite your existing trigger if you run the CREATE TRIGGER statement in the generated script. Or the RDBMS might return a SQL error indicating that the object already exists. Generated trigger names cannot be customized, because customized triggers cannot be dropped when the registration is dropped.

User Response: First, determine how to merge the pre-existing triggers with the generated triggers. Then, either create your own script to merge your existing logic with the trigger logic that is generated by the replication tool, or update the script that is generated by the replication tool to include your existing trigger definitions.

ASN1726W The trigger named *triggerowner.triggername* does not exist in the remote table *owner.tablename* on the remote server *rmtservername*.

Explanation: The trigger does not exist on the remote database. The trigger might have been dropped.

User Response: No action is required.

ASN1727I The registered source *registered_source* is deactivated.

Explanation: The specified registered source has already been deactivated.

User Response: This message is for your information only, and no action is required.

ASN1728W The CCSID *Unicode_ASCII_EBCDIC* of the change data (CD) table *cdowner.cdname* for the source table *sourceowner.sourcetable* does not match the CCSID *Unicode_ASCII_EBCDIC* of the IBMSNAP_UOW table for the capture schema *capture_schema*.

Explanation: For the given capture schema, the Apply program will join the IBMSNAP_UOW table and the CD table of the given source if the column JOIN_UOW_CD in the ASN.IBMNSNAP_MEMBR table is set to Y. This column contains Y if the target type of the associated subscription-set member is not user copy, or if any columns of the IBMSNAP_UOW table are used in the WHERE clause of the subscription-set member. If the Apply program joins tables with different encoding schemes, an error will occur. For more information about encoding schemes, refer to Appendix B of the Replication Guide and Reference.

User Response: For subscription members that will use this registration, define the target table with a type of user copy and do not use any IBMSNAP_UOW columns in the WHERE clause.

ASN1729E The registration for the nickname *nicknameowner.nickname* cannot be dropped. The reason code is *reasoncode*.

Explanation: The registration for this nickname cannot be dropped. No script is generated. The following value is valid for the reason code:

0 The specified nickname is a duplicate of a nickname included with a prior registration drop. However, the script for that registration drop has not yet been executed.

User Response: Review the reason code explanation, and refer to the DB2 Replication Guide and Reference for additional explanations and restrictions.

ASN1800E The subscription set *set_name* already exists for the Apply qualifier *apply_qual*, Who's On First *whos_onfirst*, at the Apply control server *server_alias*.

Explanation: There can only be one subscription set with the same name, for a given Apply qualifier and Apply control server. No script is generated.

User Response: Create a new set name, or add new members to the existing set.

ASN1801E The statement number *statement_number* is associated with a statement string length *statement_stringlength* that exceeds the maximum statement length for the Apply qualifier *apply_qual*, the set name *set_name*, who's on first value *whos_onfirst*, at the Apply control server *server_alias*.

Explanation: The length of the statement exceeds the allowed limit (1024 in V8). No script is generated.

User Response: Rework the statement string so that its length is less than the allowed limits.

ASN1802W The Replication subscription source member is defined with **RECAPTURE='N'**. All changes to the replica target will not be propagated to the other replica targets.

Explanation: In an update-anywhere scenario, changes made in one target replica will not be recaptured at the source when **RECAPTURE='N'**. If there is more than one target replica that subscribes to the same source, then the changes made to one target replica will not be reflected in the other replica targets.

User Response: If you want the changes propagated to the other replica targets, set **RECAPTURE='Y'**.

ASN1803I There exist *orphan_statements* Replication subscription set statements from a previously defined subscription set that was later dropped. These orphan statements are not dropped for the subscription set, for the provided Apply qualifier, at the provided Apply control server.

Explanation: A previous subscription set was dropped, without dropping all its appropriate statements. A script is generated for the new subscription set which shares the same name as the previous subscription set that was dropped. The previous subscription Statements are not dropped.

User Response: Issue a Drop Subscription Statements to delete the orphan statements.

ASN1804I The Replication subscription set **MAX_SYNCH_MINUTES** *maxsynch_minutes* is not within the allowed range for the provided subscription set and Apply qualifier, at the provided Apply control server. The Replication default value is used instead.

Explanation: The valid range for this column is 0 to 999.

User Response: No action is required if the default value of 30 minutes is acceptable.

ASN1805I **The Replication subscription set COMMIT_COUNT**
commitcount_value is not within the allowed range for the provided subscription set and Apply qualifier, at the provided Apply control server. The Replication default value is used instead.

Explanation: The valid range for this column is 0 to 999.

User Response: No action is required if the default value of 0 minutes is acceptable.

ASN1806E **The replication action ended in error for the Apply qualifier**
apply_qualifier, subscription-set name set_name, who's on first value whos_on_first, source member sourceowner.sourcetable, source view qualifier source_view_qual, target member targetowner.targettable. The subscription-set member cannot be added to the provided subscription set. Reason code reason_code.

Explanation: The subscription set would be not be valid if the member were added. No script is generated. The following values are valid for the reason code:

- 0 The subscription set has reached its maximum limit for members.
- 1 The source member for the Capture schema is not the same as the subscription set for the Capture schema.
- 2 The iSeries source member is not the same as the subscription set journal.
- 3 The condensed table member structure is incompatible with the other member structures.
- 4 The source member does not support change-capture replication, but the

target member relies on change-capture. The target structure is either a CCD or replica table, but the source has no CD table.

- 5 The source member is not a complete table.
- 6 The target member definition expects the existence of the target table, but the target table does not exist.
- 7 The target member definition asks for creation of the target table, but the target table already exists.
- 8 The set contains only full refresh supported target tables, but the new member supports change-capture replication.
- 10 The set contains only target tables supported by change-capture replication, but the new member supports full refresh only.
- 11 Replica rule: if target member is a replica, the source member can be either a replica or a user table.
- 12 The target structure is not supported for this operating system.
- 13 The target structure is a CCD, which is set as a registration source (autoregistration), but the structure is not complete
- 14 The source member is not registered.
- 15 The source member columns have column definitions, but the target type is not an aggregate.
- 16 At least one of the excluded target columns from the subscription set is neither nullable nor NOT NULL with defaults.
- 17 The target member is a view that cannot be updated.
- 18 The subscription-set member already exists.

- 19 Unable to find a target column or expression with a valid mapping to the registered source.
- 20 Multiple effective sources have been found but have not been defined consistently.
- 21 The external CCD table is noncondensed and contains either DataLink or LOB columns.
- 22 The source member journal library or journal name does not match.
- 23 The remote journal name is not valid.
- 24 The journal name or library is not valid.
- 25 A replica table with remote journaling is not allowed.
- 26 An internal CCD table already exists for the specified registered source table.
- 27 The source and target servers must be the same for internal CCD tables.
- 28 The internal CCD table must be noncomplete.
- 29 The source table is remotely journalled and contains LOBs or DATALINK columns.
- 30 No related information exists in the IBMSNAP_PRUNCNTL table.
- 31 No related information exists in the IBMSNAP_PRUNE_SET table.
- 32 An internal CCD table with a view as a source is not allowed.

User Response: Based on the reason code, either create the new member in a different subscription set or create a new subscription set for the new member.

ASN1807I **The replication subscription member is added to the provided subscription set and Apply qualifier, at the provided Apply control server with an informational clause. Reason code *reason_code*.**

Explanation: This message is for your information only, and no action is required. A script is generated. The following values are valid for reason code:

- 0 The new set results in a mixture of replica and read-only target members.
- 1 The subscription set supports transaction commit counts, but the target member does not qualify for transaction processing.
- 2 At least one member has a target member that is a CCD table, but not all members have a target member CCD table. Different generations of tables are contained in the same set.
- 3 The target member is a non-condensed, non-complete CCD table, without extra columns from IBMSNAP. This target table is essentially the same as the CD table.

User Response: Review the reason codes in the explanation, and respond with the following options:

- 0 Consider keeping all the replica tables in one set, and the read-only tables in another.
- 1 Consider keeping all the target types that support transaction processing in the same set, and other tables in another set.
- 2 To maintain a consistent age of data across sets, consider keeping all the CCD target tables, which are part of the same generation, in the same set. Also, consider keeping all non-CCD target tables in a different set. The second set

depends on the data being in the first set, as, for example in the middle-tier stage.

- 3 Consider whether you need the CCD target table.

ASN1808E The Replication action ended in error for Apply qualifier *apply_qualifier*, set name *set_name*, Who's On First *whos_on_first*, source member *sourceowner.sourcetable*, source view qualifier *source_view_qual*, target member *targetowner.targettable*. The subscription target member expects its index key columns to be updated but at least one index key does not have its before-image column registered in the subscription source member.

Explanation: The target table allows its index keys to be updated (PRIMARY_KEY_CHG = 'Y'). To support this requirement, the Apply program needs to access the before-image columns of the index keys. So these before-image columns must exist in the Change Data table for the source member. If they do not exist, the Apply program fails. A script is not generated.

User Response: For each column of the subscription target index:

- Check if the before-image column for that column is already registered in the source member, at the Capture server.
- If not, register the appropriate before-image column.

ASN1809W The Replication action expects a subscription index key columns to be updated but the subscription member will be added to the subscription set without allowing updates to the target index key columns. Reason code *reason_code*.

Explanation: In the cases listed above, the PRIMARY_KEY_CHG settings are meaningless. A script is generated that was updated with

Replication definitions that override user-provided definitions. The following values are valid for reason code:

- 0 The target table type CCD: PRIMARY_KEY_CHG is not valid.
- 1 The value of the CHG_UPD_TO_DEL_INS in the IBMSNAP_REGISTER table is set to 'Y'.
- 2 The target table is not condensed.

User Response: This message is for your information only, and no action is required.

ASN1810W The Replication subscription source member is defined on the source server with DB2 Referential Integrity constraints, but the subscription target member is a Replica that does not preserve these constraints.

Explanation: Referential integrity constraints at the target table are not enforced by DB2 at the replica site. This might not be the intended behavior at the replica site. A script is generated, and the script might not be ready to execute.

User Response: Update the generated script to include the appropriate referential constraints at the target, if needed.

ASN1811W The index definition for the target subscription member cannot guarantee proper uniqueness at the target. Reason code *reason_code*.

Explanation: The Apply program relies on the unique index definition to correctly update and delete rows in the target table, for some target types. If the provided index does not guarantee uniqueness, the Apply program will have some rework. Understand your application to ensure that this will not be the case. The following values are valid for reason code:

- 0 At least one column is generated by an SQL function, which does not guarantee the uniqueness of the index.

- 1 In a unique index, nullable columns are not generated by SQL functions.

User Response: For each column of the subscription target index:

- Check if the column type in the Apply control server ASN.IBMSNAP_SUBS_COLS, COL_TYPE, is 'F'
- If so, redefine the index column expression not to include a SQL expression, or remove that column from the index key (ASN.IBMSNAP_SUBS_COLS, IS_KEY column is set to 'N').

ASN1812E The Replication action ended in error for Apply qualifier
apply_qualifier, **set name** *set_name*, **who's on first value** *whos_on_first*, **source member**
sourceowner.sourcetable, **source view qualifier** *source_view_qual*, **target member** *targetowner.targettable*. **The subscription target member cannot be added because the required target key is not valid.**
Reason code *reason_code*.

Explanation: Target members that require a unique index are target types of point-in-time, user copy, and replica tables, and condensed CCDs. If these targets do not have a unique index, the Apply program fails. A script is not generated. The following values are valid for reason code:

- 0 The target table does not already exist but the target key information could not be derived from the source table.
- 1 The target key information cannot be found nor derived, and the RRN is not defined for the CD table (iSeries only).
- 2 The target table or view already exists but the required target key information is missing.
- 3 The target table or view already exists but the target key information is incompatible with the existing partitioning key information.

User Response: Define a valid target key. Take the specific actions for the following reason codes:

- 0 Create the appropriate unique index on the source table so that it can be used to derive the replication suggested index.
- 2 Provide the required target key information.
- 3 Refer to the SQL Reference for the DB2 rules on partitioning indexes. For example, the key that you provided might not include the required partitioning key.

ASN1813I The Replication subscription source member is defined on the source server with some DB2 constraints, but the subscription target member does not preserve these constraints. Reason code
reason_code.

Explanation: Constraints at the source table are not be enforced by DB2 if they are not specified during the target member definition. This might not be the intended behavior at the replica table server. A script is generated that might not be ready to execute. Constraints are described in the following valid values for reason code:

- 0 At least one NOT NULL WITH DEFAULT clause in the target member.
- 1 Partitioned table space.

User Response: Update the generated script to include the appropriate DB2 constraints at the target, if needed.

ASN1814E The target column *column_name* of data type *datatype* cannot be added to subscription target member
tableowner.tablename. **Reason Code**
reason_code.

Explanation: The subscription member fails the subscription column checks. A script is not generated. The following values are valid for reason code:

- 0 The column data type is not supported by Replication. Data types that are not supported by DB2 issue message ASN1648E.
- 1 The target data type is incompatible with the corresponding source data type.
- 2 The column is not found in the source table registration.
- 3 The column type is not supported for federated targets.
- 4 The target column is a LOB. The maximum number of LOB columns is exceeded for the target member.
- 5 The source column contains SQL column function, but the target member structure is neither base aggregate nor change aggregate.
- 6 The target table type is replica, and the source column is a LOB column.
- 7 The target table type is replica, and source column is DATALINK value. But the CONFLICT_LEVEL > 0.
- 8 A noncondensed CCD target table with LOB columns is not supported.
- 9 The column is not in the existing target table.

User Response: Review the reason code in the explanation and respond as follows:

- 0 Change the data type to one that is supported.
- 1 Make sure the target data type matches the source data type.
- 2 Register the column of the source table.
- 3 Choose a valid data type that is supported for federated targets.
- 4 Make sure the number of LOB columns at the target member does not exceed the allowable limit.
- 5 Change either the source column expression or the target table structure.

- 6 Remove the LOB column for the replica target from the subscription member.
- 7 Remove the DATALINK column from the subscription member if the replica needs a conflict level greater than 0. Otherwise, change the replica conflict level.
- 8 Remove the LOB columns.
- 9 Verify the column name.

ASN1815E **The Replication action ended in error. The subscription set *set_name* for Apply qualifier *apply_qual*, Who's On First *whos_on_first* is to be dropped if empty, but at least one member exists for this set. The subscription set cannot be dropped.**

Explanation: The subscription set is not dropped because at least one member exists in the ASN.IBMSNAP_SUBS_MEMBR at the provided Apply control server, for the provided Apply qualifier of the particular subscription set. A script is not generated.

User Response: Drop the subscription members that still exist, and then drop the subscription set. Alternatively, issue the *Drop Subscription Set* task, with no requirement for the subscription set to be empty.

ASN1816W **The Replication subscription set contains at least one member that will be dropped once the subscription set is dropped.**

Explanation: When a subscription set is dropped successfully, all the set members are automatically dropped also.

User Response: This message is for your information only, and no action is required.

ASN1818W The Replication subscription member is updated with new subscription Where Clause predicates. Previous predicates already exist for the subscription member. They will be overwritten by the new predicate information.

Explanation: The specified member already contains a predicate. The new predicate overwrites the old one. A script is generated.

User Response: Provide the complete predicate clause for the replication task. You might need to update the predicate clause if does not contain all of the existing predicate clause.

ASN1819W The Replication subscription set is disabled successfully. Note however that disabling a subscription set has a direct impact to the Capture pruning logic of all source members for that subscription set.

Explanation: The Capture pruning logic does not prune any CD table until the dependent subscription members have been populated by the Apply program. A script is generated. It might need to be updated, if the disabling of the subscription set is not the ideal choice, and dropping the subscription set is a better option. See below.

User Response: If the subscription set is going to be disabled for a considerable amount of time that the pruning process of the CD tables will be impacted, or if the impact to the CD tables for the dependent registered sources will impact dramatically the Capture program and the Capture server CD tables, then consider dropping the subscription set and creating it again later, instead of simply disabling it. Alternatively, deactivate the appropriate registrations.

ASN1820E The Replication string for subscription set *set_name*, apply qualifier *apply_qual*, Who's On First *whos_on_first* contains DB2 syntax that is not valid. The string type is *string_type*, string text is *string_text* and SQL Message is *sql_message*.

Explanation: The specified string is not a valid. A script is not generated.

User Response: Please correct the appropriate object syntax and issue the Replication task again.

ASN1821W Dependent subscription sets will no longer be valid after the existing subscription set is dropped, if this subscription set contains target members that are registered sources at its target server.

Explanation: The dependent subscriptions rely on their source member tables to exist. If these source members are maintained as replication targets, and these targets are dropped, then the Apply program fails when it processes the dependent subscription sets. Dependent subscription sets might be impacted if the captureserver.IBMSNAP_PRUNCNTL table at the target server contains SOURCE_OWNER or SOURCE_TABLE rows for which these values are the target tables being dropped. A script is generated.

User Response: Deactivate or drop the dependent subscription sets before running the script, if required.

ASN1822E The Replication action ended in error for Apply qualifier *apply_qual*, set name *set_name*, source member *sourceowner.sourcename*, target member *targetowner.targetname*. The provided subscription member does not exist for the provided subscription set.

Explanation: The specified member cannot be found in the ASN.IBMSNAP_SUBS_MEMBR for the provided Apply qualifier at the provided Apply control server.

User Response: Make sure the Apply qualifier, set name, member name, and control server provided are correct.

ASN1823E The subscription set *set_name* does not exist for the Apply qualifier *apply_qual*, Who's On First *whos_onfirst*, at the Apply control server *server_alias*.

Explanation: The specified subscription set cannot be found in the ASN.IBMSNAP_SUBS_SET for the provided Apply qualifier at the provided Apply control server.

User Response: Make sure the Apply qualifier, set name, member name, and control server provided are correct.

ASN1824W The Replication subscription set was updated with a COMMIT_COUNT of 0.

Explanation: The source is a view of multiple tables, and the commit count is null for the set. A Commit count of 0 is enforced for the set.

User Response: This message is for your information only, and no action is required.

ASN1825W The Replication action to drop a member did not drop the view.

Explanation: Even though the request was made to drop the view the action was not completed as requested.

User Response: You need to manually drop the view.

ASN1826W The Capture schema *capture_schema* does not exist at the provided source server.

Explanation: Please make sure the Capture schema exists before adding any members to the subscription set.

User Response: Create the Capture server control tables at the source server with the Capture schema specified.

ASN1827W The column *target_columnname* of the target member *target_member* does not preserve a DB2 column attribute of the corresponding column *source_columnname* of the source member *source_member*. Reason Code *reason_code*.

Explanation: A DB2 column attribute of the source column differs from the corresponding target column. The following values are valid for reason code:

1

The source column is nullable and the target column is not nullable.

2

The source column is not nullable and the target column is nullable.

3

The source column has a default value and the target column has none.

4

The target column has a default value and the source column has none.

User Response: If the reason code is 1, then check whether there are null values in the source column that will be applied to the target column. If necessary, change the target column to NULLABLE. Alternatively, update the generated script to include the appropriate DB2 attributes at the target, if needed.

ASN1828E The Replication action ended in error for Apply qualifier *apply_qual*, set name *set_name*, source member *sourceowner.sourcename*, target member *targetowner.targetname*.
When the subscription target server is a non-IBM target server, either the action is not supported or is supported with restrictions.
Reason Code is *reason_code*.

Explanation: These are current restrictions. No script is generated. The following values are valid for reason code:

- 0 Not supported.
- 1 Supported for the following target table structures: point-in-time, CCD, user copy.

User Response: This message is for your information only, and no action is required.

ASN1829I A valid nickname *nicknameowner.nickname* is found for the subscription target table. Column data type mapping rules are enforced. The nickname is used as is.

Explanation: An existing target nickname was found in the federated database that is valid for this subscription (the column data type mapping checks are valid); however, there is no check to validate the existence of the target table on the non-DB2 relational database server.

User Response: Make sure that the remote table exists for the provided nickname. Otherwise, the Apply program fails.

ASN1830E The Replication action ended in error for the Apply qualifier *apply_qualifier*, subscription set *set_name*, whos on first value of *whos_on_first*, source member *sourceowner.sourcetable*, source view qualifier *source_view_qual*, target member *targetowner.targettable*, and predicate of *predicate*. The Subscription-set member cannot be added to this subscription set. The reason code is *reason_code*.

Explanation: The subscription-set member is invalid, and no script is generated. A possible reason code is:

- 0 The predicate references columns from non-existing CD or UOW tables.

User Response: Verify the accuracy of the specified predicate, and refer to the documentation on advanced change predicate features.

ASN1831E The Replication action ended in error. No subscription statements exist for the subscription set *set_name* for the Apply qualifier *apply_qual*, with a whos on first value of *whos_onfirst*, at the Apply control server *control_server*.

Explanation: No subscription statements exist for the specified subscription-set name with this Apply qualifier.

User Response: Verify that the specified subscription-set name under this Apply qualifier contains subscription-set statements.

ASN1832W A column named *column_name* already exists in the ASN.IBMSNAP_SUBS_COLS control table.

Explanation: The specified column already exists in the ASN.IBMSNAP_SUBS_COLS table.

User Response: No action is required.

ASN1833E The CCSID
Unicode_ASCII_EBCDIC of the
change data (CD) table
cdowner.cdname for the source table
sourceowner.sourcetable does not
match the CCSID
Unicode_ASCII_EBCDIC of the
IBMSNAP_UOW table for the
capture schema *capture_schema*.
The provided subscription
member definition would require
a join of these two tables.

Explanation: For the given capture schema, the Apply program will join the IBMSNAP_UOW table and the CD table of the given source if either the target type of the associated subscription-set member is not user copy, or if any columns of the IBMSNAP_UOW table are used in the WHERE clause of the subscription-set member. If the Apply program processes such a subscription-set member defined with the given source table and capture schema by joining the CD table of the source table with the IBMSNAP_UOW table, an error will occur because of the different encoding schemes of the tables. For more information about encoding schemes, refer to Appendix B of the Replication Guide and Reference.

User Response: You can either

- select a target type of user copy and do not use columns of the IBMSNAP_UOW table in the WHERE clause of the subscription member, or
- register the source using a different capture schema and create the CD table in a tablespace with the same encoding scheme as those of the IBMSNAP_UOW table of the new capture schema.

ASN1834W The default target capture schema of 'ASN' will be used for the subscription set.

Explanation: The subscription set requires a target Capture schema, and the default value of 'ASN' is used.

User Response: No action is required if the

default is appropriate for the target Capture Schema column in this subscription set.

ASN1835W The target column *column_name* **of data type** *datatype* **has been added to the subscription-set member target** *tableowner.tablename*, **but the corresponding source column** *column_name* **of data type** *datatype* **can contain data that is not applicable to the target column.**
Reason code *reason_code*.

Explanation: The source column definition does not exactly match with the target column definition. Therefore, if the data that is selected from the source by the Apply program is not appropriate for the target column, the Apply program might fail or might modify the source data (by truncating it). Note: If your application does not generate data that will make the Apply program fail, there is no problem with the definition mismatch.

The following values are valid for the reason code:

1

The target column length is less than the resolved source column expression.

2

The target column scale is less than the resolved source column expression.

3

The target column precision is less than the resolved source column expression.

4

The target and source column data types are compatible only for certain source values.

User Response: If possible, change the definitions at the target site to be compatible with the source definitions. (This is usually driven by the applications that run at the target site.)

If you must keep the definition mismatch (because you have a specific reason why the

target definitions must be different than the source definitions), review your applications to ensure that the definition mismatch will not cause a run-time problem.

ASN1836W The target table *owner.name* will not be dropped because it is registered as a source under the Capture schema *schemaname*.

Explanation: The target table is registered as a source under the specified Capture schema. If the table is dropped, the registration will no longer be valid.

User Response: Drop the registration for the table, and then drop the table.

ASN1837W The DB2 target *tableowner.tablename* is not dropped.

Explanation: The target table is a replica or an external Consistent Change Data table (CCD) and it is also registered at the target server so it may be the source for dependent targets. The table cannot be dropped automatically.

User Response: Drop the registered source for the replica or external CCD table. Then, manually drop the DB2 target table or delete the replica or external CCD subscription member. The deletion of the member will drop the DB2 target table.

ASN1900E The table or view *objectowner.objectname* cannot be promoted to the new server. Reason code *reason_code*.

Explanation: The following values are valid for reason code:

- 0 The table type on this operating system is not supported for promote request.
- 1 The source server operating system required for the promote needs to match the target server operating system.
- 2 The table or view does not exist.

User Response: Review the reason code in the explanation and respond as follows:

0 This message is for your information only, and no action is required.

1 Current restriction.

2 Verify that the table or view exists on the source server operating system.

ASN1901E The registered source *sourceowner.sourcename* cannot be promoted for Capture schema *captureschema* at Capture server *capture_server*. Reason code *reason_code*.

Explanation: The following values are valid for the reason code:

- 0 The table or view is not a registered source.
- 1 The registered source is a replica table.
- 2 The registered source is on DB2 for iSeries but has a remote journal.
- 3 The table or view has already been promoted.
- 4 A view on a view is not supported by the replication promote registration function.

User Response: Review the reason code in the explanation, and respond as follows:

- 0 The table or view name that you specified in the IBMSNAP_REGISTER table contained no entries for the specified Capture schema. The table or view registration cannot be promoted for this particular Capture schema.
- 1 The table you specified is of type replica (with a SOURCE_STRUCTURE column value of 7) in the captureschema.IBMSNAP_REGISTER table. The table cannot be promoted as a registered source. A replica can be promoted only within the context of a subscription set to ensure that proper definitions are maintained between the source user table and the replica target.
- 2 The registered source is maintained on

DB2 for iSeries with a remote journal, which can be promoted only with SQL script.

ASN1902W Make sure that the schemas exist on the promoted Capture server before running the script. The Replication definitions will be incomplete if the object does not exist at the promoted Capture server.

Explanation: The promote tasks allows you to provide a new Capture server and new Capture server schemas. However, the promote tasks do not connect to the new Capture server to verify the names and existence of the Capture server and schemas. You must verify this information before running the script to ensure that the script executes successfully.

User Response: To generate the required objects, run the appropriate SQL prior to running the script.

ASN1903W The object *objectowner.objectname* does not exist on the promoted Apply control server, yet some promoted objects depend on its existence. Failure to create this object will result in incomplete Replication definitions at promoted Apply control server. Reason code *reason_code*.

Explanation: Since the promote tasks allow you to provide a new Apply control server name, the tasks detect whether some required objects exist to ensure proper execution of the generated script. A script is generated, but is not ready to run. The following values are valid for reason code:

- 0 The Apply control server control tables do not exist.
- 1 The registration information for all source members of a promoted set.

User Response: To generate the required objects, run the appropriate SQL prior to running the script.

ASN1904I The Replication subscription member is promoted successfully for the provided Apply qualifier, at the provided Apply control server. Reason code *reason_code*.

Explanation: This message is for your information only; no action is required. A script is generated that might need some updates before being executed. The following values are valid for reason code:

- 0 The source member structure is incompatible with the target member structure.
- 1 The target member is a replica (replica1) that is also the source member of another replica (replica2.) The DISABLE_FORWARDING value for the registration row of replica2 does not allow updates from the user table to be replicated at replica2.
- 2 The source member is a user table that is also the source member of more than one replica (replica1 and replica2). The DISABLE_FORWARDING value for the registration row of the user table does not allow updates at replica1 to be replicated at replica2, and vice-versa.

User Response: Review the reason code in the explanation, and respond as follows:

- 0 Check the ASN.IBMSNAP_SUBS_MEMBR table, TARGET_STRUCTURE column. The value in the column should be compatible with the corresponding source member captureschema.IBMSNAP_REGISTER table, SOURCE_STRUCTURE column.
- 1, 2 Update the values, if needed.

ASN1905W The Capture server alias and the Capture schema name on both the host system and new system are the same. The generated replication definitions cannot work if run on the host system.

Explanation: The promote task detected that the Capture server alias and the Capture schema name are the same on both on the host and new system. The generated SQL script must be modified, or it will fail when executed.

User Response: Take one of the following actions: 1) Run the same task with different Capture server alias and Capture schema name values for the host or new system. 2) Or, change the Capture server alias or Capture schema name in the generated script.

ASN1950E ASNCLP : An unexpected token *token_name* was found. Valid tokens include *list_of_tokens*.

Explanation: The command was entered with incorrect syntax.

User Response: Check the documentation to verify your command syntax.

ASN1951E ASNCLP : The command was entered with profile *profile_name* that is not valid.

Explanation: A profile must exist before it can be used in a command.

User Response: Issue the corresponding SET PROFILE command, and then re-enter the command that failed.

ASN1952E ASNCLP : The program encountered an internal error.

Explanation: The Replication command line processor encountered an unrecoverable error condition.

User Response: Obtain the log file with the error, and contact IBM Software Support.

ASN1953I ASNCLP : Command completed.

Explanation: All commands of this ASNCLP session completed successfully. Please note that some individual commands in this session may have produced errors, warnings, or informational messages.

User Response: Check the ASNCLP log file for any errors, warnings, or informational messages produced by the commands in this session.

ASN1954E ASNCLP : Command failed.

Explanation: At least one command in the ASNCLP session failed, and processing stopped.

User Response: Look in the ASNCLP log file to diagnosis the error. Then fix the error, and try the command again.

ASN1955I ASNCLP : The program will use the following files:
capture_script_file_name for the Capture SQL script,
control_script_file_name for the control SQL script,
target_script_file_name for the target SQL script, and *log_file_name* for the log file.

Explanation: The ASNCLP session generated information in the specified files.

User Response: This message is for your information only, and no action is required.

ASN1956I ASNCLP : The program now generates the script for action: *action_name*.

Explanation: All input for this command has been successfully parsed, and the command that generates the script is now invoked.

User Response: This message is for your information only, and no action is required.

ASN1957E **ASNCLP : The value *value* for the input parameter *input_parameter* is incorrect. The reason code is *reason_code*.**

Explanation: The value of the input parameter is incorrect. The following values are valid reason codes:

- 1 The input parameter is a character value but should be a numeric value.
- 2 The input parameter is a numeric value but should be a character value.
- 3 The command line processor cannot access the specified file.

User Response: Check the reason code, and provide a valid input parameter value.

ASN1976E **ASNPWD : The specified database alias *db_alias_name* already exists in the password file *password_file_name*.**

Explanation: The key that you specified already exists in the password file.

User Response: Enter this command again using the MODIFY parameter instead of the ADD parameter.

ASN1977E **ASNPWD : The value of the input parameter *parameter_name* is missing.**

Explanation: The above input parameter must be specified.

User Response: Invoke the utility again using a valid input parameter value.

ASN1978E **ASNPWD : The value of the input parameter *parameter_name* is too long.**

Explanation: The asnpwd command supports a maximum of eight characters for the length of the database alias and a maximum of 128 characters for the length of both the user ID and the password. The specific lengths of the user ID and the password are dependent upon the

operating system that you are using.

User Response: Invoke the API using an input parameter with a valid length.

ASN1979E **ASNPWD : The program encountered an unexpected token *token_name*. Expected tokens include *list_of_tokens*.**

Explanation: The command was entered with incorrect syntax.

User Response: Check the documentation to verify your command syntax.

ASN1980E **ASNPWD : The program did not complete successfully because *reason*.**

Explanation: The asnpwd command encountered system problems as indicated in the message.

User Response: Take action based on the information in the message. Enter the command again after fixing the error.

ASN1981I **ASNPWD : The program completed successfully using password file *password_file_name*.**

Explanation: The asnpwd command completed successfully.

User Response: This message is for your information only, and no action is required.

ASN1982E **ASNPWD : The specified database alias *db_alias_name* does not exist in the password file *password_file_name*.**

Explanation: The key that you specified with the MODIFY or DELETE parameter does not exist in the password file.

User Response: Enter the command again using the ADD parameter.

ASN1983E **ASNPWD : The program cannot find the password file**
password_file_name.

Explanation: No password file was found.

User Response: Verify that the password file exists in the specified path. If you are using the Password Management utility for the first time, use the INIT parameter.

ASN1984E **ASNPWD : The program cannot be initialized because the password file**
password_file_name **already exists.**

Explanation: The password file already exists in the specified path.

User Response: Verify that the password file has been deleted. Then retry the command.

ASN1985E **ASNPWD : The program encountered an internal error when using the password file**
password_file_name.

Explanation: The operating system produced an unexpected error when trying to access the password file. No information about this error is available. However, this error might have occurred if the password file was manually edited causing the format of the file to change.

User Response: Retry the command. If the problem persists, use the INIT parameter to create a new password file.

ASN5101I **MONITOR** *monitor_qualifier.* **The Replication Alert Monitor program started successfully.**

Explanation: This message appears after a successful start of the Replication Alert Monitor program.

User Response: This message is for your information only, and no action is required.

ASN5102I **MONITOR** *monitor_qualifier.* **The Replication Alert Monitor program initialized successfully and is monitoring**
number-of-alert-conditions **alert conditions.**

Explanation: The Replication Alert Monitor program successfully started.

User Response: This message is for your information only, and no action is required.

ASN5103I **MONITOR** *monitor_qualifier.* **The Replication Alert Monitor program re-initialized successfully and is monitoring**
number-of-alert-conditions **alert conditions.**

Explanation: The Replication Alert Monitor program successfully re-initialized.

User Response: This message is for your information only, and no action is required.

ASN5104W **MONITOR** *monitor_qualifier.* ***number-of-alert-conditions* alert conditions were ignored.**

Explanation: The Replication Alert Monitor program initialized or re-initialized. Some alert conditions that are not valid might be excluded as noted in previously issued messages.

User Response: Check the IBMSNAP_CAPTRACE table for messages about excluded alert conditions.

ASN5107I **MONITOR** *monitor_qualifier.* **The Replication Alert Monitor program stopped.**

Explanation: The Replication Alert Monitor program terminated.

User Response: This message is for your information only, and no action is required.

ASN5110I MONITOR *monitor_qualifier*. The Alert Monitor program encountered an SQL error. The ERRCODE is *error_code*. The SQLSTATE is *sqlstate*. The SQLCODE is *sqlcode*. The SQLERRM is *sqlerrm*. The SQLERRP is *sqlerrp*. The server name is *server_name*. The table name is *table_name*.

Explanation: An error occurred during the execution of an SQL statement.

User Response: Refer to your database message reference for an explanation of the SQL error code.

ASN5111I MONITOR *monitor_qualifier*. *number-of-rows* rows were pruned from the table *schema.table-name*.

Explanation: The Replication Alert Monitor program pruned rows from the IBMSNAP_ALERTS or the IBMSNAP_MONTRACE table.

User Response: This message is for your information only, and no action is required.

ASN5112E MONITOR *monitor_qualifier*. The pruning program failed with a SQLCODE of *sqlcode* when the program pruned the table *schema.table-name*.

Explanation: The pruning program failed when executing a pruning operation.

User Response: Read the corresponding action regarding this SQLCODE, and correct the error.

ASN5116E MONITOR *monitor_qualifier*. The monitor qualifier does not exist on the monitor control server *monitor-server*.

Explanation: The Replication Alert Monitor program cannot find the monitor qualifier on this monitor control server.

User Response: Verify that the monitor qualifier

name used with the *monitor_qual* parameter is correct.

ASN5117E MONITOR *monitor_qualifier*. There are no valid Alert Conditions for this monitor qualifier on Monitor Server *monitor_server*.

Explanation: The Replication Alert Monitor program cannot find any alert conditions for this monitor qualifier.

User Response: Verify that the monitor qualifier name used with the *monitor_qual* parameter is correct, and check that the alert conditions are enabled. Also, check any previously issued messages.

ASN5118E MONITOR *monitor_qualifier*. The program cannot connect to the monitor control server *server_name*. The SQLCODE is *sqlcode*, and the SQLSTATE is *sqlstate*.

Explanation: The Monitor program tried to connect to the monitor control server and failed with the corresponding SQLCODE.

User Response: Read the corresponding action for this SQLCODE, and correct the error.

ASN5119E MONITOR *monitor_qualifier*. The program cannot connect to the server *server_name*. The SQLCODE is *sqlcode*, and the SQLSTATE is *sqlstate*.

Explanation: An SQL CONNECT statement failed when the Monitor program tried to connect to the monitored Capture or Apply control server.

User Response: Read the corresponding action regarding this SQLCODE, and correct the error.

ASN5121E MONITOR *monitor_qualifier*. A contact does not exist for the alert condition with a component of component, a server of server, a schema or qualifier of schema_or_qualifier, and a condition name of condition.

Explanation: The specified contact does not exist in the IBMSNAP_CONTACTS table for this alert condition.

User Response: Verify the contact information, and correct the alert condition.

ASN5122E MONITOR *monitor_qualifier*. The contact group *group-name* does not exist or is empty. The component is component, the server is server, the schema or qualifier is schema_or_qualifier, and the condition name is condition.

Explanation: The contact group specified in an alert condition does not have corresponding contacts in the IBMSNAP_CONTACTGRP table or does not exist in the IBMSNAP_CONTACTGRP table. A contact group cannot be empty.

User Response: Verify the contacts for this group, and correct the alert condition.

ASN5123E MONITOR *monitor_qualifier*. The table *table-name* is not found. The Capture control server is *capture-server*. The schema is *schema*. The condition name is *condition-name*.

Explanation: The Replication Alert Monitor program cannot find a table when attempting to monitor a condition on the Capture control server.

User Response: Verify that the table exists on the Capture control server, or correct the alert condition.

ASN5124E MONITOR *monitor_qualifier*. The table *table-name* is not found. The Apply control server is *apply-control-server*. The Apply qualifier is *apply-qualifier*. The subscription-set name is *set-name*. The condition name is *condition-name*.

Explanation: The Replication Alert Monitor program cannot find a table when attempting to monitor a condition on the Apply control server.

User Response: Verify that the table exists on the Apply control server, or correct the alert condition.

ASN5125E MONITOR *monitor_qualifier*. The Apply qualifier *apply-qualifier* or the subscription set *set-name* is not found.

Explanation: The Replication Alert Monitor program cannot find the Apply qualifier or the subscription set when attempting to monitor a condition on the Apply control server.

User Response: Verify that the Apply qualifier and the subscription set exist on the Apply control server, or correct the alert condition.

ASN5126E MONITOR *monitor_qualifier*. There is an error sending a notification. The return code is *rc*.

Explanation: When an alert notification was attempted, the ASNMAIL exit returned an error. The reasons for the error may include:

- 1 SMTP protocol failed. Verify the address of your e-mail server with your administrator.
- 2 SMTP socket failed. Verify the configuration of your e-mail server or client.
- 3 The e-mail address is not valid. Verify the e-mail address.
- 4 Software error.
- 99 ASNMAIL exit not found.

User Response: For return codes 1 and 2, verify the configuration of your e-mail server and client. For return code 3, check whether the e-mail address is correct. For return code 99, verify if the ASNMAIL exit properly installed.

ASN5127E **MONITOR** *monitor_qualifier*. An invalid value *value* exists in the column *column-name* of the table *table-name*.

Explanation: This message indicates that the Replication Alert Monitor program found a column with a value that is not valid during program initialization.

User Response: Verify the values of the column definitions in the specified table.

ASN5129I **MONITOR** *monitor_qualifier*. The Replication Alert Monitor on server *server-name* reports an e-mail alert.

Explanation: The Replication Alert Monitor program sent an e-mail alert.

User Response: This message is for your information only, and no action is required.

ASN5130I **MONITOR** *monitor_qualifier*. *capture_message*. The Capture control server is *capture-server*. The schema is *schema*. The monitor control server is *monitor-server*.

Explanation: The Replication Alert Monitor program retrieved a Capture program message from the IBMSNAP_CAPTRACE table when processing CAPTURE_ERRORS or CAPTURE_WARNINGS conditions.

User Response: Read the Capture program message, and take appropriate action. Also, check any errors or warnings from the Capture control server.

ASN5131I **MONITOR** *monitor_qualifier*. *apply_message*. The Apply control server is *apply-server*. The Apply qualifier is *apply-qualifier*. The monitor control server is *monitor-server*.

Explanation: The Replication Alert Monitor program retrieved an Apply program message from the IBMSNAP_APPLYTRAIL or the IBMSNAP_APPLYTRACE table when processing APPLY_SUBSFALING, APPLY_ERRORS, or APPLY_WARNINGS alert conditions.

User Response: Read the Apply program message, and take appropriate action. Also, check any errors or warnings from the Apply control server.

ASN5133I **MONITOR** *monitor_qualifier*. The following alert *message_number* has occurred *number_of_times* times in the last *number_of_minutes* minutes. The notification for this alert will be suspended.

Explanation: This message is issued after an alert has been detected the number of times specified in the MAX_NOTIFICATIONS_PER_ALERT parameter (the default is 3) for the number of minutes specified in the MAX_NOTIFICATIONS_MINUTES parameter (the default is 60 minutes).

User Response: This message is for your information only, and no action is required.

ASN5134I **MONITOR** *monitor_qualifier*. Alerts issued.

Explanation: The text of this message appears in the subject line of the e-mail alerts sent by the Replication Alert Monitor program.

User Response: This message is for your information only, and no action is required.

ASN5135W **MONITOR** *monitor_qualifier*. **Too many alerts** *number_of_alerts* **for server** *server_name* **between** *lower_bound_time* **and** *upper_bound_time*, **schema or qualifier** *schema_qual_name*, **condition name** *condition_name*.

Explanation: The Alert Monitor reached the maximum of alerts allowed for a monitor cycle (1024), or memory can not be allocated for them. The Alert Monitor will send the notifications and will update the Monitor control server and will reconnect to the server starting in the next condition. Some alerts for the specified alert condition might not be sent and inserted in the Monitor control server.

User Response: You should verify the specified alert condition directly in the server to check if alerts were lost.

ASN5136W **MONITOR** *monitor_qualifier*. **There has been an error calling DAS component. The return code is** *rc* **for server** *server_name* **for schema or qualifier** *schema_qual_name* **and condition name** *condition_name*.

Explanation: While processing the condition name for the given server, the DAS component returned an error.

User Response: Verify that DAS is running properly in both the client and the remote server.

ASN5150W **MONITOR** *monitor_qualifier*. **The Capture program is not running. The Capture control server is** *capture_server*, **and the schema is** *schema*.

Explanation: The alert condition CAPTURE_STATUS indicates that the Capture program is not running.

User Response: Verify the status of the Capture program on the specified Capture control server.

ASN5151W **MONITOR** *monitor_qualifier*. **The elapsed time since the last commit of Capture program exceeds the threshold value. The Capture control server is** *capture_server*. **The schema is** *schema*. **The last commit time is** *time*. **The threshold is** *minutes* **minutes.**

Explanation: The CAPTURE_LASTCOMMIT alert condition detects that the difference between the current timestamp value and the value of the MAX_COMMIT_TIME column in the IBMSNAP_RESTART table is greater than the threshold value of this alert condition as specified by the PARM_INT column value in the IBMSNAP_CONDITIONS table.

User Response: Check the Capture control server, and determine the reason for the commit delay.

ASN5152W **MONITOR** *monitor_qualifier*. **The current Capture latency exceeds the threshold value. The Capture control server is** *capture_server*. **The schema is** *schema*. **The Capture latency is** *latency* **seconds. The threshold is** *threshold* **seconds.**

Explanation: The CAPTURE_CLATENCY alert condition detects that the difference between the CURR_COMMIT_TIME and the MAX_COMMIT_TIME column values in the IBMSNAP_RESTART table is greater than the threshold value of this alert condition as specified by the PARM_INT column value in the IBMSNAP_CONDITIONS table.

User Response: Check the Capture control server, and determine the reason for the Capture latency.

ASN5153W **MONITOR** *monitor_qualifier*. **The historic Capture latency exceeds the threshold value. The Capture control server is *capture_server*. The schema is *schema*. The Capture latency is *latency* seconds. The threshold is *threshold* seconds.**

Explanation: The CAPTURE_HLATENCY alert condition detects that the difference between the MONITOR_TIME and the SYNCHTIME column values in the IBMSNAP_CAPMON table is greater than the threshold value of this alert condition as specified by the PARM_INT column value in the IBMSNAP_CONDITIONS table. This latency value might correspond to past latency but might help track latency trends over time.

User Response: Check the Capture control server, and determine the reason for the Capture latency.

ASN5154W **MONITOR** *monitor_qualifier*. **The memory used by the Capture program exceeds the threshold value. The Capture control server is *capture_server*. The schema is *schema*. The amount of memory used is *memory* megabytes. The threshold is *threshold* megabytes.**

Explanation: The CAPTURE_MEMORY alert condition detects that the value of the CURRENT_MEMORY column in the IBMSNAP_CAPMON table is greater than the threshold value of this alert condition as specified by the PARM_INT column value in the IBMSNAP_CONDITIONS table.

User Response: Check the Capture control server, and determine the reason for the excessive memory usage. Modify the memory_limit parameter of the Capture program, if necessary.

ASN5160W **MONITOR** *monitor_qualifier*. **The Apply program is not running. The Apply control server is *apply_server*, and the Apply qualifier is *apply-qualifier*.**

Explanation: The APPLY_STATUS alert condition detects that the Apply program is not running.

User Response: Verify the status of the Apply program at the specified Apply control server.

ASN5161W **MONITOR** *monitor_qualifier*. **The subscription set is inactive and is in an error state. The Apply control server is *apply-control-server*. The Apply qualifier is *apply-qualifier*. The name of the subscription set is *set-name*. The who's on first value is *wof*, and the last success value is *timestamp*.**

Explanation: The APPLY_SUBSINACT alert condition detects that the subscription set is inactive and that the status is not equal to zero (0).

User Response: If the subscription set should be active, check this subscription set on the Apply control server.

ASN5162W **MONITOR** *monitor_qualifier*. **A full refresh occurred. The Apply control server is *apply-control-server*. The Apply qualifier is *apply-qualifier*. The name of the subscription set is *set-name*. The who's on first value is *wof*, and the target table is *table-name*.**

Explanation: The APPLY_FULLREFRESH alert condition detects that the target table was refreshed during the past monitor cycle.

User Response: If the full refresh was in error, verify the cause of the full refresh for this specified target table.

ASN5163W **MONITOR** *monitor_qualifier*. The subscription is delayed beyond the threshold. The Apply control server is *apply-control-server*. The Apply qualifier is *apply-qualifier*. The name of the subscription set is *set-name*. The who's on first value is *wof*. The time delayed is *time*, and the threshold is *threshold* seconds.

Explanation: The APPLY_SUBSDELAYED alert condition detected a subscription set that complies with the following conditions: CURRENT_TIMESTAMP minus LASTRUN is greater than the threshold.

User Response: Check any previous messages to see if this subscription set has an error and to verify that the Apply program is running.

ASN5164W **MONITOR** *monitor_qualifier*. The rows reworked in a subscription exceeds the threshold. The Apply control server is *apply-control-server*. The Apply qualifier is *apply-qualifier*. The name of the subscription set is *set-name*. The who's on first value is *wof*. The number of reworked rows is *rows*, and the threshold is *threshold* rows.

Explanation: The APPLY_REWORKED alert condition detects a subscription set with a SET_REWORKED column value (in the IBMSNAP_APPLYTRAIL table) that exceeds the specified threshold.

User Response: Verify the reason why this number of rows have been reworked.

ASN5165W **MONITOR** *monitor_qualifier*. Transactions have been rejected in the subscription set. The Apply control server is *apply-control-server*. The Apply qualifier is *apply-qualifier*. The name of the subscription set is *set-name*. The who's on first value is *wof*. The number of rejected transactions is *transactions*.

Explanation: The APPLY_TRANSREJECT alert condition detects rejected transactions for this subscription set.

User Response: Verify the reason why these transactions were rejected.

ASN5166W **MONITOR** *monitor_qualifier*. A manual full refresh is required. The Apply control server is *apply-control-server*. The Apply qualifier is *apply-qualifier*. The name of the subscription set is *set-name*.

Explanation: A full refresh is needed for the specified subscription set.

User Response: Verify the reason why a full refresh is required.

ASN5167W **MONITOR** *monitor_qualifier*. End-to-end latency exceeded the threshold. The Apply control server is *apply-control-server*. The Apply qualifier is *apply-qualifier*. The name of the subscription set is *set-name*. End-to-End latency is *latency* seconds, and the threshold is *threshold* seconds.

Explanation: The APPLY_LATENCY alert condition detects that the end-to-end latency of this subscription set is greater than the threshold value of this alert condition as specified by the PARM_INT column value in the IBMSNAP_CONDITIONS table.

User Response: Check the Apply control server to determine the reason for this excessive

end-to-end latency value.

ASN5190W MONITOR *monitor_qualifier*. A stored procedure failed with an SQLCODE of *sqlcode* and with an SQL message of *sql_message*.

Explanation: A user-defined alert condition (implemented as an DB2 stored procedure) returned a nonzero SQLCODE value.

User Response: The action depends on the implementation of the stored procedure. If the message indicates an abnormal condition, contact your DBA.

ASN5191W MONITOR *monitor_qualifier*.
message

Explanation: This message appears when a user-defined alert condition issues a warning message.

User Response: Read the issued message, and take appropriate action.

ASN5192E MONITOR *monitor_qualifier*.
message

Explanation: This message appears when a user-defined alert condition issues an error message.

User Response: Read the issued message, and take appropriate action.

ASN5200E ASNSCRT: The replication process type is a required parameter and must be specified when invoking the asnsrct command.

Explanation: The asnsrct command was invoked without a specified replication process type.

User Response: Enter the command again with a replication process type of -C, -A, or -M.

ASN5201E ASNSCRT: The database instance is a required parameter and must be specified when invoking the asnsrct command.

Explanation: The asnsrct command was invoked without a specified database instance.

User Response: Enter the command again with a database instance name.

ASN5202E ASNSCRT: A replication process path is a required parameter and must be specified when invoking the asnsrct command.

Explanation: The asnsrct command was invoked without a specified replication process path.

User Response: Enter the command again with a path to the asncap, asnapply, or asnmon command.

ASN5203E ASNSCRT: The Capture server is a required parameter and must be specified when invoking this asnsrct command.

Explanation: The asnsrct command was invoked without a specified Capture control server.

User Response: Enter the command again with a Capture control server name.

ASN5204E ASNSCRT: The Apply control server is a required parameter and must be specified when invoking this asnsrct command.

Explanation: The asnsrct command was invoked without a specified Apply control server.

User Response: Enter the command again with an Apply control server name.

ASN5205E ASNSCRT: The Apply qualifier is a required parameter and must be specified when invoking this asnsrct command.

Explanation: The asnsrct command was invoked without a specified Apply qualifier.

User Response: Enter the command again with an Apply qualifier.

ASN5206E ASNSCRT: The monitor control server is a required parameter and must be specified when invoking this asnsrct command.

Explanation: The asnsrct command was invoked without a specified monitor control server.

User Response: Enter the command again with a monitor control server name.

ASN5207E ASNSCRT: The monitor qualifier is a required parameter and must be specified when invoking this asnsrct command.

Explanation: The asnsrct command was invoked without a specified monitor qualifier.

User Response: Enter the command again with a monitor qualifier.

ASN5208I ASNSCRT: The replication service *service_name* was created successfully.

Explanation: The asnsrct command successfully created the specified service.

User Response: This message is for your information only, and no action is required.

ASN5209I ASNSCRT: The replication service *service_name* started successfully.

Explanation: The asnsrct command successfully started the specified service.

User Response: This message is for your information only, and no action is required.

ASN5210E ASNSCRT: The replication service *service_name* was not created, because the display name already exists (either as a service name or as another display name) in the service control manager database.

Explanation: The asnsrct command cannot create the specified service, because the display name already exists as another service name or display name in the service control manager database.

User Response: Go to service control manager database, and remove the service with the duplicate service or display name. Then re-enter the command.

ASN5211E ASNSCRT: The replication service *service_name* was not created, because the specified service name is not valid.

Explanation: The asnsrct command cannot create the specified service, because the system API returned an error code indicating that the service name is incorrect. The specified service might contain special characters in the instance name, database name, or schema name. Special characters are not allowed in the service name.

User Response: Change the instance name, database name, or schema name if possible. Then re-enter the command.

ASN5212E ASNSCRT: The replication service *service_name* was not created, because the specified service name already exists.

Explanation: The asnsrct command cannot create the specified service, because another service with the same service name already exists in the service control manager.

User Response: Remove the existing service with the same service name. Then re-enter the command.

ASN5213E ASNSCRT: The replication service *service_name* was not started, because the service binary file could not be found.

Explanation: The `asnsCRT` command cannot start the specified service, because the corresponding `asncap`, `asnapply`, or `asnmon` command cannot be invoked using the system path specified by the `PATH` environment variable. If the fully qualified path is provided, the `asnsCRT` command cannot find the `asncap`, `asnapply` or `asnmon` command in that path.

User Response: Make sure the specified path is correct. Then re-enter the command.

ASN5214E ASNSCRT: The replication service *service_name* did not start, because an instance of the service is already running.

Explanation: The `asnsCRT` command cannot start the specified service, because the service is already running.

User Response: This message is for your information only, and no action is required.

ASN5215E ASNSCRT: The replication service *service_name* did not start, because the service depends on a DB2 instance service that does not exist or has been marked for deletion.

Explanation: The `asnsCRT` command cannot start the specified service, because the corresponding DB2 instance service does not exist or has been deleted.

User Response: Verify that the corresponding DB2 instance service exists in the service control manager. Then re-enter the command.

ASN5216E ASNSCRT: The replication service *service_name* did not start, because this service depends on another service that failed to start.

Explanation: The `asnsCRT` command cannot start the specified service, because the corresponding

DB2 instance service failed to start.

User Response: Verify that the corresponding DB2 instance service started in the service control manager. Then re-enter the command.

ASN5217E ASNSCRT: The replication service *service_name* did not start, because the service is disabled.

Explanation: The `asnsCRT` command cannot start the specified service, because the service has been disabled in the service control manager.

User Response: Verify that the service startup type is set to either automatic or manual in the service control manager. Then re-enter the command.

ASN5218E ASNSCRT: The replication service *service_name* did not start, because the service cannot log on. This error occurs if the service starts from an account that does not have the proper "Log on as a service" access right.

Explanation: The `asnsCRT` command cannot start the specified service, because the corresponding DB2 instance service cannot log on.

User Response: Go to service control manager, and locate the specified service. Verify that the provided account name and passwords are correct. Then re-enter the command.

ASN5219E ASNSCRT: The replication service *service_name* was not created, because the service is marked for deletion.

Explanation: The `asnsCRT` command cannot create the specified service, because the service has been deleted.

User Response: Close the service control manager window. Then re-enter the command.

ASN5220E **ASNSDROP: The service name is a required parameter and must be specified when invoking the asnsdrop command.**

Explanation: The asnsdrop command was invoked without a specified service name.

User Response: Re-enter the command with a service name.

ASN5221I **ASNSDROP: The service *service_name* has been successfully removed.**

Explanation: The asnsdrop command was invoked with a specified service name.

User Response: This message is for your information only, and no action is required.

ASN5222E **ASNSDROP: The replication service *service_name* cannot be removed, because the requested access is denied.**

Explanation: The asnsdrop command cannot remove the specified service name, because the user does not have the appropriate permission to remove it.

User Response: Verify that the current user has permission to log on to the corresponding DB2 instance. Then re-enter the command.

ASN5223E **ASNSDROP: The replication service *service_name* cannot be removed, because the specified service name is not valid.**

Explanation: The asnsdrop command cannot remove the specified service name, because the service name contains illegal special characters.

User Response: Go to service control manager, and locate the specified service. Verify that the service name is valid, and re-enter the command.

ASN5224E **ASNSDROP: The replication service *service_name* cannot be removed, because the specified service does not exist.**

Explanation: The asnsdrop command cannot remove the specified service name, because the service name does not exist in the service control manager.

User Response: Go to service control manager, and locate the specified service. Verify that the service name is correct, and re-enter the command.

ASN5225E **ASNSDROP: The replication service *service_name* cannot be stopped, because other running services are dependent on it. The *service_name* is not removed.**

Explanation: The asnsdrop command cannot remove the specified service, because other services that are dependent on this specified service are currently running.

User Response: Go to service control manager, and stop all services that are dependent on this specified service. Then re-enter the command.

ASN5226E **ASNSDROP: The replication service *service_name* cannot be removed, because the system is shutting down.**

Explanation: The asnsdrop command cannot remove the specified service, because the operating system is shutting down.

User Response: Enter the command again after system restarts.

ASN5227I **ASNSDROP: The replication service *service_name* cannot be removed, because it has already been marked for deletion.**

Explanation: The asnsdrop command cannot remove the specified service, because the specified service has already been deleted.

User Response: This message is for your

information only, and no action is required.

ASN5228E *pgmname* : **The command cannot command_action the replication service service_name, because the system call API_func_name returned an unexpected error code error_code.**

Explanation: The `asnsrct` and `asndrop` commands make system calls in order to work with the services. The specified system call returned an unexpected error code that prevents the given command from completing the requested action.

User Response: Enter the command again. This error code might indicate only a temporary system condition. For further information about the error code, check your operating system documentation.

ASN5229E **ASNSCRT: The account is a required parameter and must be specified when invoking the `asnsrct` command.**

Explanation: The `asnsrct` command was invoked without a specified account name for the corresponding DB2 instance.

User Response: Re-enter the command with an account name for the corresponding DB2 instance.

ASN5230E **ASNSCRT: The password is a required parameter and must be specified when invoking the `asnsrct` command.**

Explanation: The `asnsrct` command was invoked without a specified password for the corresponding DB2 instance.

User Response: Re-enter the command with the password for the corresponding DB2 instance.

ASN5231E **ASNSCRT: The replication service service_name was not created, because the account name specified on the account parameter does not exist.**

Explanation: The `asnsrct` command was invoked with an unknown account name for the corresponding DB2 instance.

User Response: Verify that the provided account name and passwords are correct. Then re-enter the command.

ASN5232E **ASNSCRT: The required parameter path was not specified.**

Explanation: When started as a service, a replication command must contain a path specified by the `path` keyword that is specific to the command (`capture_path` for `asncap`, `apply_path` for `asnapply`, and `monitor_path` for `asnmon`). If the `path` keyword is specified, the service is registered if no errors occur.

If the `path` keyword is not specified, the `asnsrct` command retrieves the DB2 global registry profile variable `DB2PATH`. If this variable contains a non-null value, the `asnsrct` command adds the appropriate `path` keyword to the command using the value of `DB2PATH`. If this variable is not set, the `asnsrct` command cannot register the service.

User Response: Enter the command again after you specify the appropriate `path` keyword or after you define the DB2 global registry profile variable `DB2PATH`.

ASN5233E **ASNSCRT: The replication service service_name was not created, because the specified database instance database_instance does not exist.**

Explanation: The `asnsrct` command cannot create the specified service because the specified database instance does not exist in the system.

User Response: Verify that the specified database instance exists in the system. Then reissue the command.

Chapter 4. CCA Messages

This section contains the Configuration Assistant Interface (CCA) messages. The messages are listed in numeric sequence.

CCA1001I Use alphanumeric characters only. The first character cannot be numeric.

CCA1002I Use decimal numbers, 0 to 9, only.

CCA1003I No DB2 system was found on the network.

CCA1004I No DB2 instance was found on the selected system(s).

CCA1005I No DB2 database was found on the selected instance(s).

CCA2001W No files were found matching the file pattern specified.

Explanation: A request was made to read from files matching the specified file pattern. No files were found matching the pattern.

User Response: Correct the file pattern specified and retry the operation.

CCA2002W An error was encountered while updating the TCP/IP services file.

Explanation: An attempt to add a service name and port number to the TCP/IP services file failed or Network Information Services is being used and only the local services file was updated. The port number was used to catalog the node instead of the service name.

User Response: To use the service name instead of the port number in the node directory entry, the node must be manually uncataloged and then recataloged using the service name. The

services file must also be updated manually. If Network Information Services (NIS) is being used, the local services file may have been updated but the NIS server must be updated manually. In this case, the node was also cataloged using the port number.

CCA2003W The Discover request did not return data for one or more DB2 systems.

Explanation: The discover request did not return data for one or more of the requested DB2 systems. One of the following may have occurred:

- The Administration Server to which the discover request was sent has not been started.
- An error occurred attempting to perform the discover request.
- The DB2 system to which the discover request was sent is not configured for discovery.

User Response: Verify that the DB2 system to which the discover request was sent is enabled for discovery. If enabled for discovery, ensure that the Administration Server on the DB2 system is running.

CCA2004W The nname value specified is not unique.

Explanation: The nname value specified is already being used by another NetBIOS application on the network.

User Response: Select 'YES' to use the specified nname or 'NO' to cancel the request. If 'YES' is selected, any application using the existing nname will be affected.

CCA2005W The socket number specified is not unique.

Explanation: The socket number specified is being used by another DB2 instance on the workstation.

User Response: Select 'YES' to use the specified socket or 'NO' to cancel the request. If 'YES' is selected, any application using the existing socket number will be affected.

CCA2006W An entry already exists in the TCP/IP services file for the service name and port number specified.

Explanation: An entry already exists in the TCP/IP services file for the service name and port number specified. Another application may be using the entry.

User Response: Select 'YES' to use the existing entry or 'NO' to cancel the request. If 'YES' is selected, any application using the existing entry will be affected.

CCA2007W The port number specified is being used with a different service name.

Explanation: The TCP/IP services file contains an entry that uses the port number specified but the associated service name does not match the service name specified.

User Response: Select 'YES' to use the specified service name and port number or 'NO' to cancel the request. If 'YES' is selected, a new entry will be added to the services file. Any applications using the entry with the existing port number may be affected.

CCA2008W The service name specified is being used with a different port number.

Explanation: The TCP/IP services file contains an entry that uses the service name specified but the associated port number does not match the port number specified.

User Response: Select 'YES' to use the specified

service name and port number or 'NO' to cancel the request. If 'YES' is selected, the existing entry in the services file, using the service name, will be updated to use the port number specified. This may affect any applications using the existing entry.

CCA2009W The request was canceled by the user.

Explanation: The request was canceled by the user.

User Response: None.

CCA2010W An attempt to update the APPC stack failed.

Explanation: An attempt to add the Transaction Program name to the APPC stack failed.

User Response: The APPC stack must be manually updated. If the Transaction Program name is not added to the stack, remote connections to the server will not be possible.

CCA2011W An attempt to add the service name and port number to the TCP/IP services file failed.

Explanation: An attempt to add the service name and port number to the TCP/IP services file failed. The database manager configuration file has been updated with the service name specified.

User Response: The service name and port number must be manually added to the TCP/IP service file. If the entry is not added to the services file, remote connections to the server will not be possible.

CCA2012W The Discover request did not find any DB2 systems.

Explanation: A request to search the network for DB2 systems completed successfully but no DB2 systems were found. Following is a list of possible reasons why no DB2 systems were found:

- Search discovery was not enabled on any DB2 systems (that is, in the DBM configuration file of the administration server on the DB2 system, DISCOVER = SEARCH was not specified).
- The DB2 system was not set up with the appropriate discovery protocol for the client to find it (that is, DISCOVER_COMM on the administration server does not contain a protocol that matches one specified for DISCOVER_COMM on the client).
- The DB2 system is on the other side of a router or bridge, and the routers and bridges on the network were configured such that the discovery packet was filtered out and not passed on.

User Response: Following is a list of possible actions to take in order for discovery to find DB2 systems:

- Set DISCOVER = SEARCH in the DBM configuration file of the administration server on all DB2 systems that you wish to be found.
- Set DISCOVER_COMM for the administration server to include the protocol that the client will use to issue a discover request (that is, set DISCOVER_COMM to include at least one of the protocols specified in DISCOVER_COMM on the client).
- Have the network administrator reconfigure the router or bridge to allow discovery packets (for the specified protocol) to be passed through.

CCA2013W Remote database cataloged using APPC but the stack was not configured.

Explanation: A request to catalog a database resulted in a node being cataloged that uses the APPC protocol. The node was cataloged using the symbolic destination name which was retrieved from the profile specified. The APPC stack was not configured because there was insufficient information in the profile to configure the stack or APPC was not detected on the DB2 system. It was not possible to use a different protocol because no other matching protocol was detected on the client.

User Response: If APPC is not installed on the client, uncatalog the database and recatalog the database manually using a protocol that is available on both the client and server. If APPC is installed, configure the stack if it has not already been configured.

CCA2014W The transaction program name specified is not unique or has already been configured.

Explanation: The transaction program name specified is already being used by another DB2 instance or a non DB2 application on this server.

User Response: Select 'YES' to use the specified transaction program name or 'NO' to cancel the request. If "YES" is selected, for all applications using the transaction program name concurrently, APPC will only be operational for the first one started. If any new APPC parameter values have been specified, the APPC stack will be updated with these values.

CCA2015W The service name and port number specified are being used in different entries in the services file.

Explanation: The TCP/IP services file contains entries that use the service name and port number specified but they are not being used in the same entry.

User Response: Select 'YES' to use the specified service name and port number or 'NO' to cancel the request. If 'YES' is selected, the existing entry in the services file, using the service name, will be updated to use the port number specified. This may affect any applications using the existing entries.

CCA2016W The password will be saved as clear text.

Explanation: The password will be saved as clear text in db2cli.ini file.

User Response: If password security is a concern, deselect the 'Save password' check box.

CCA3000C An internal error has occurred.
Reason code *reason-code*.

Explanation: An unexpected internal error has occurred.

User Response: Turn trace on and retry the steps that caused the error. If the problem reoccurs, save the trace information to a file and contact IBM Support with the following information:

- Problem description
- Message number
- Reason code
- Trace file

CCA3001N The specified service name and port number conflicts with existing values in the TCP/IP services file.

Explanation: The service name and port number entered by the user conflicts with existing values in the TCP/IP services file. The service name may already be used with a different port number, the port number may already be used with a different service name or both.

User Response: Specify a service name and port number that does not conflict with existing entries in the services file.

CCA3002N An I/O error occurred.

Explanation: An error was encountered while attempting to open, read, change the file position or close a file.

User Response: If a file name was specified, verify that the file name is valid and that the user has permission to access the file. Also check for any disk and operating system errors.

CCA3003N The format of the file is not valid.

Explanation: An error was encountered while reading from a file. The format of the file is not valid. Possible errors include:

- The file contains invalid data.

- The file does not contain expected data.
- The order of the data in the file is incorrect.

User Response: If a file name was specified, and the file has been modified by the user, regenerate the file and retry the operation. If the problem persists, and the file was not modified by the user, or the problem occurred during a Discover request, turn trace on and retry the steps that caused the error. If the problem reoccurs, save the trace information to a file and contact IBM Support with the following information:

- Problem description
- Message number
- Trace file
- File which is causing the error if a file name was specified

CCA3004N An attempt to allocate memory failed.

Explanation: An error was detected while attempting to allocate memory.

User Response: Terminate other applications running on the system that may be using large amounts of memory. If the problem persists, turn trace on and retry the operation. If the problem reoccurs, save the trace information to a file and contact IBM Support with the following information:

- Problem description
- Message number
- Trace file

CCA3005N An error was encountered while writing to a file.

Explanation: An error was detected while writing to a profile. The error could also be encountered when updating a host system password and errors are being recorded in the file db2pem.log.

User Response: Verify that the file system on which the file resides is not full and is not damaged. Also check for any operating system errors.

CCA3006N No matching communication protocol was detected.

Explanation: The database cannot be cataloged because none of the protocols available on the client match any of the protocols available at the server.

User Response: Ensure that the client and server have at least one matching communication protocol that can be detected on both. If a matching protocol is installed on both the client and the server, the protocol could not be detected. In this case, catalog the database and node manually.

CCA3007N The database alias name specified is not valid.

Explanation: The length of the database alias specified is not a valid or the alias contains invalid characters.

User Response: Correct the alias name and resubmit the request.

CCA3009N The application requestor name specified is not valid.

Explanation: The length of the application requestor name specified is not valid or the name contains invalid characters.

User Response: Correct the application requestor and resubmit the request.

CCA3010N The length of the parameter value specified is not valid.

Explanation: The length of the parameter value specified for the application requestor is not valid.

User Response: Correct the parameter value and resubmit the request.

CCA3011N The target database name specified is not valid.

Explanation: The length of the target database name specified is not valid or the name contains invalid characters.

User Response: Correct the target database name and resubmit the request.

CCA3012N Add ODBC data source failed.

Explanation: A request to add an ODBC data source failed. The error could be caused by an out of memory error, a disk full condition or a disk failure.

User Response: Verify that the disk on which the ODBC.INI and DB2CLI.INI files reside is not full and that the disk is not damaged. In addition, if other applications are using large amounts of memory, terminate the applications and retry the operation.

CCA3013N Remove ODBC data source failed.

Explanation: A request to remove an ODBC data source failed. The error could be caused by an out of memory condition or a disk failure.

User Response: If other applications are using large amounts of memory, terminate the applications and retry the operation. Also verify that the disk on which the ODBC.INI and DB2CLI.INI files reside is not damaged.

CCA3014N The bind request cannot be processed.

Explanation: The bind request cannot be processed because another bind operation is already in progress.

User Response: Complete or terminate the bind in progress and resubmit the bind request.

CCA3015N The adapter specified is not valid.

Explanation: The adapter specified was not detected on the DB2 system.

User Response: Specify an adapter that is available and resubmit the request.

CCA3016N The nname value specified is not unique.

Explanation: The nname value specified is already being used by another NetBIOS

application on the network.

User Response: Specify a unique nname and retry the operation.

CCA3017N The path specified for the file is not valid.

Explanation: An attempt was made to open the specified file, but the path specified is invalid or does not exist.

User Response: Ensure that the path specified is valid and the path for the file exists.

CCA3018N The user does not have sufficient authority to access the file.

Explanation: An attempt was made to access the requested file, but the user does not have the required authority to access the file.

User Response: Ensure that the user has the required authority to access the file.

CCA3019N The file name specified is a directory.

Explanation: An attempt to access the file specified failed because the name specified is a directory and not a file.

User Response: Specify a valid file name and retry the operation.

CCA3020N An attempt to access the specified file failed because of a share violation.

Explanation: An attempt to access the file specified failed because of a share violation. Another process may have the file opened in exclusive mode.

User Response: The file is currently being accessed by another process in exclusive mode. Ensure that no other process is accessing the file and retry the operation or specify another file name.

CCA3021N An attempt to retrieve, add or remove variable *variable-name* from the DB2 Profile Registry failed with Return Code *return-code*.

Explanation: An attempt to retrieve, add or remove the indicated variable from the DB2 Profile Registry failed. The return code indicates the cause of the problem. The possible return codes are as follows:

- -2 The specified parameter is invalid
- -3 Insufficient memory to process the request
- -4 Variable not found in the registry
- -7 DB2 Profile Registry is not found on this DB2 system
- -8 Profile not found for the given instance
- -9 Profile not found for the given node
- -10 UNIX registry file lock time-out

User Response: For return code:

- -2 Ensure that the parameter has been specified correctly.
- -3 Terminate other applications using large amounts of memory and retry the operation.
- -4 Ensure that the variable is set in the DB2 Profile Registry.
- -7 Ensure that the DB2 Profile Registry has been created.
- -8 Ensure that the profile has been created for the instance.
- -9 Ensure that the profile has been created for the node.
- -10 Ensure that the registry file is not locked by another process.

CCA3022C An attempt to retrieve the address of the function *procedure-name* from library *library-name* failed with Return code *return-code*.

Explanation: An attempt to retrieve the address of a function from the indicated library failed.

User Response: Verify that the correct version of the library is being used. If the incorrect version is being used, install the correct version. If the problem persists, turn trace on and retry

the steps that caused the error. If the problem reoccurs, save the trace information to a file and contact IBM Support with the following information:

- Problem description
- Message number
- Return code
- Trace file

CCA3023C An attempt to load library *library-name* failed with Return code *return-code*.

Explanation: An attempt to load the indicated library failed.

User Response: Verify that the path in which the library resides is included in the library path. Also ensure that there is enough memory available to load the library. If the problem persists, turn trace on and retry the steps that caused the error. If the problem reoccurs, save the trace information to a file and contact IBM Support with the following information:

- Problem description
- Message number
- Return code
- Trace file

CCA3024C An attempt to unload library *library-name* failed with Return code *return-code*.

Explanation: An attempt to unload the indicated library failed.

User Response: Turn trace on and retry the steps that caused the internal error. If the problem reoccurs, save the trace information to a file and contact IBM Support with the following information:

- Problem description
- Message number
- Return code
- Trace file

CCA3025N One or more of the IPX/SPX parameters specified is not valid.

Explanation: One or more of the input parameters is not valid. Following is a list of possible errors:

- One or more of the fileserver, objectname and ipx_socket parameters is NULL.
- Only the fileserver parameter or objectname parameter is set to "*".
- The fileserver and/or objectname parameters are not set to "*" for Windows NT and Solaris.
- The objectname value specified is not unique.
- The ipx_socket value specified is not unique.
- The ipx_socket value specified is not in the valid range.
- The DB2 system failed to attach to the fileserver specified.

User Response: Verify the following:

- The fileserver, objectname and ipx_socket parameters are not NULL.
- If the value specified for fileserver is "*", the value for objectname must also be "*".
- On Windows NT and Solaris, both fileserver and objectname must be "*".
- The value specified for objectname, if not "*", is unique for all DB2 instances and IPX/SPX applications registered at the fileserver.
- The value specified for ipx_socket is unique across all DB2 instances on the DB2 system.
- The value specified for ipx_socket is within the valid range.
- The fileserver specified exists and that it is up and running.

Correct all errors and retry the operation.

CCA3026N No available NetBIOS adapters detected.

Explanation: A NetBIOS adapter was not detected on the DB2 system. The database cannot be cataloged.

User Response: Catalog the database and node

manually if an adapter is available on the DB2 system.

CCA3027N The port number specified is out of range.

Explanation: The TCP/IP port number specified is out of range. The maximum value that can be specified for the port number is 65534.

User Response: Specify a port number that does not exceed the maximum value and retry the operation.

CCA3028N The DB2INSTANCE variable is not valid.

Explanation: The DB2INSTANCE environment variable is not set or is set to the Administration Server instance. The Configuration Assistant cannot run under the Administration Server Instance.

User Response: Set the DB2INSTANCE variable to an instance other than the Administration Server instance.

CCA3029N Updating of the ODBC data source settings failed.

Explanation: A request to update the settings of an ODBC data source failed. The error could be caused by an out of memory error, a disk full condition or a disk failure.

User Response: Verify that the disk on which the DB2CLI.INI file resides is not full and that the disk is not damaged. In addition, if other applications are using large amounts of memory, terminate the applications and retry the operation.

CCA3030N Values missing for configuring APPC.

Explanation: A request was made to catalog a database using APPC or to configure a server instance for APPC. The request could not be completed because one or more parameters were not specified.

User Response: Ensure that all required

parameters have been specified and retry the operation.

CCA3031N The APPC stack has not been configured for the database selected.

Explanation: The database selected is using APPC for the database connection. However, the APPC stack has not been configured for the connection.

User Response: Configure the APPC stack for the database selected.

CCA3051N A protocol protocol interface failure has occurred with Return code *return-code*.

Explanation: The failure occurred while attempting to access the protocol interface.

User Response: Verify that the protocol is operational.

CCA3052N The specified item *item-name* was not found.

Explanation: The specified item name could not be found in the configuration data.

User Response: Verify that you have specified the item name correctly.

CCA3053N The ODBC DSN specified *DSN-name* is invalid.

Explanation: The ODBC DSN specified is an invalid name.

User Response: Ensure that you are using valid characters for the ODBC DSN name.

CCA3054N The ODBC DSN could not be registered.

Explanation: The ODBC DSN registration attempt failed.

User Response: Verify that ODBC is installed properly and is functional.

CCA3055N The specified item *item-name* already exists.

Explanation: The specified item name already exists in the configuration data.

User Response: Verify that you have specified the item name correctly. Use a different item name or delete the old item and resubmit the request.

CCA3056N The hostname *host-name* was not found.

Explanation: The specified hostname could not be resolved on the network.

User Response: Ensure that the hostname, as specified, is correct and is a valid hostname on your network.

CCA3057N The service name *service-name* was not found.

Explanation: The specified service name was not found in the local services file.

User Response: Ensure that the service name, as specified, is correct and that there is a valid entry for that service name in your local services file.

CCA3058N The local system object is not allowed to be removed.

Explanation: The local system object appears if this is a server installation, and does not appear if this is a client installation. You have no direct control over the removal of this object because it has special properties that are required by the server installation type.

User Response: No action is required.

CCA3059N The local system object is not allowed to be changed.

Explanation: The local system object appears if this is a server installation, and does not appear if this is a client installation. You have no direct control over the changing of this object because it

has special properties that are required by the server installation type.

User Response: No action is required.

CCA3060N The selected system object is not allowed to be changed.

Explanation: The selected system is using communication protocol that is not supported by the DB2 Administration Tools.

User Response: No action is required.

CCA3061N Incomplete server configuration.

Explanation: The server configuration information contained in the server profile is missing data necessary to complete the requested operation. Refer to the db2diag.log for details.

User Response: Contact your system administrator to verify that the server configuration is correct.

CCA3062N "Common" is a reserved data source name.

Explanation: "Common" is a reserved data source name by DB2 CLI.

User Response: Re-enter another data source name.

CCA3063N The specified service name and port number conflicts with existing values in the TCP/IP services file. Do you wish to overwrite the existing values in the services file?

Explanation: The service name and port number entered by the user conflicts with existing values in the TCP/IP services file. The service name may already be used with a different port number, the port number may already be used with a different service name or both.

User Response: Click Yes to overwrite the existing values in the services file with the new values.

Click No to cancel the action and keep the existing values in the services file.

CCA3064N The new data source name specified already exists.

Explanation: A data source entry already exists with the same name and its content does not match the specification of the new entry. Therefore, it cannot be reused.

User Response: Use a different data source name.

CCA5000N The user ID specified is not valid.

Explanation: The user ID specified does not exist.

User Response: Enter the correct user ID and resubmit the request.

CCA5001N The password specified is incorrect.

Explanation: The password specified for the user ID is incorrect.

User Response: Enter the correct password for the user ID and resubmit the request.

CCA5002N The password for the user ID has expired.

Explanation: The password for the user ID has expired and cannot be updated.

User Response: Contact your system administrator to have the password reset.

CCA5003N The new password specified is not valid.

Explanation: The new password specified is not valid.

User Response: Enter a valid password and resubmit the request.

CCA5004N An unexpected error occurred.

Explanation: An unexpected error occurred while attempting to update the password for the user ID specified. Additional information may have been written to the file db2pem.log in the instance directory.

User Response: Contact your system administrator for further assistance and provide the information from the file db2pem.log.

CCA5005N The new password does not match the verify password.

Explanation: The new password does not match the verify password.

User Response: Type the new password in both text boxes again.

Chapter 5. CLI Messages

This section contains the Call Level Interface (CLI) messages. The messages are listed in numeric sequence.

CLI0001W Disconnect error.

Explanation: An error occurred during the disconnect. However, the disconnect succeeded.

User Response: Validate that the communication between the client and the server are still active.

CLI0002W Data truncated.

Explanation: An output buffer specified is not large enough to contain the data.

User Response: Increase the size of the output buffer.

CLI0003W Privilege not revoked.

Explanation: The statement was a REVOKE statement and the user did not have the specified privilege.

User Response: No action needed.

CLI0004W Invalid connection string attribute.

Explanation: An invalid or unsupported connection string attribute was specified in the connection string but the driver was able to connect to the data source anyway.

User Response: No action needed.

CLI0005W Option value changed.

Explanation: The driver did not support the specified option value and substituted a similar value.

User Response: No action needed.

CLI0006W SQLCancel treated like a close.

Explanation: The SQLCancel call was treated like a SQLFreeStmt call with the SQL_CLOSE option.

User Response: No action needed.

CLI0100E Wrong number of parameters.

Explanation: The number of parameters specified in SQLSetParam or SQLBindParameter was less than number of parameters in the SQL statement.

User Response: Respecify the SQL statement or provide more input parameters through SQLSetParam or SQLBindParameter.

CLI0101E The statement did not return a result set.

Explanation: The previous statement does not result in a result set.

User Response: Respecify the SQL statement.

CLI0102E Invalid conversion.

Explanation: The conversion between the application data type and SQL data type is not supported by the driver.

User Response: Respecify a data conversion which is supported by the driver.

CLI0103E Too many columns.

Explanation: The number of columns specified in SQLBindCol is greater than the number of columns in the current result set.

User Response: Respecify the SQL statement or

reset the bound column information in SQLBindCol.

CLI0104E Unable to connect to data source.

Explanation: The driver was unable to establish a connection with the data source.

User Response: Ensure the server is started and that the communications between the client and server are correct.

CLI0105E Connection in use.

Explanation: The specified connection handle is already being used and the connection is still opened.

User Response: Allocate a new connection using SQLAllocConnect and retry the connection or terminate the existing connection.

CLI0106E Connection is closed.

Explanation: The connection specified by the connection handle is no longer active.

User Response: Establish a new connection.

CLI0107E Connection failure during transaction.

Explanation: The connection failed during the execution of the function and it cannot be determined whether the COMMIT or ROLLBACK occurred before the failure.

User Response: Establish a new connection.

CLI0108E Communication link failure.

Explanation: The connection between the driver and the data source failed during execution of this function.

User Response: Establish a new connection.

CLI0109E String data right truncation.

Explanation: The data specified through SQLSetParam or SQLBindParameter is larger than the maximum size allowed for the

corresponding use of a parameter marker.

User Response: Respecify the parameter using SQLSetParam or SQLBindParameter.

CLI0110E Invalid output or indicator buffer specified.

Explanation: The returned data was NULL but the output or indicator buffer specified was a NULL buffer.

User Response: Respecify the output or indicator buffer supplying a non-NULL buffer and retry the operation.

CLI0111E Numeric value out of range.

Explanation: Returning the numeric data would have caused the whole part of the number to be truncated.

SQLPutData was called more than once for a parameter and the input data was not of type character or binary.

User Response: Respecify the output bindings either through SQLBindCol or SQLGetData to avoid creating a numeric data truncation.

Do not call SQLPutData for a parameter if the application data type specified for that parameter through SQLSetParam or SQLBindParameter is not SQL_C_CHAR or SQL_C_BINARY.

CLI0112E Error in assignment.

Explanation: The data sent for a parameter or column was incompatible with the data type of the associated table column.

User Response: Respecify the output binding through SQLBindCol or SQLGetData or the input binding through SQLSetParam or SQLBindParameter.

CLI0113E Invalid date/time format.

Explanation: The data sent for a date/time field was invalid. An invalid datetime format was detected; that is, an invalid string representation or value was specified.

User Response: Respecify the date data.

CLI0114E Datetime field overflow.

Explanation: The data sent for a date, time, or timestamp parameter, or column, was invalid.

User Response: Respecify the date, time, or timestamp data.

CLI0115E Invalid cursor state.

Explanation: The statement is not positioned on a row.

User Response: Position the statement on a row by calling SQLFetch or SQLExtendedFetch and retry the operation.

CLI0116E Invalid transaction state.

Explanation: There was a transaction in progress when SQLDisconnect was called.

User Response: Call SQLTransact before calling SQLDisconnect.

CLI0117E Invalid cursor name.

Explanation: An invalid or duplicate cursor name was specified in SQLSetCursorName.

User Response: Respecify a valid cursor name through SQLSetCursorName.

CLI0118E Invalid SQL syntax.

Explanation: An invalid or incorrect SQL statement was specified.

User Response: Respecify a valid SQL statement.

CLI0119E Unexpected system failure.

Explanation: An unexpected system failure occurred while processing the function.

User Response: Restart the application and try again.

CLI0120E Memory allocation failure.

Explanation: The driver was unable to allocate memory required to support execution or completion of the function.

User Response: Verify that your system has enough memory to complete the desired operation.

CLI0121E Invalid column number.

Explanation: The value specified in iCol is less than zero, greater than the number of columns in the result set, or greater than the maximum number of columns allowed in a result set.

User Response: Respecify a valid value for iCol.

CLI0122E Program type out of range.

Explanation: The value specified for fCType is not valid.

User Response: Respecify a valid value for fCType.

CLI0123E SQL data type out of range.

Explanation: The value specified for fSQLType is not valid.

User Response: Respecify a valid value for fSQLType.

CLI0124E Invalid argument value.

Explanation: The value specified for an argument was invalid. Possible reasons may be a null pointer, invalid length, invalid option, etc.

User Response: Re-examine the argument passed in to the function and determine which argument is invalid.

CLI0125E Function sequence error.

Explanation: This function was called in an invalid sequence.

User Response: Correct the sequence in your application and retry the operation.

CLI0126E Operation invalid at this time.

Explanation: The operation the system is trying to perform is invalid at this time.

User Response: Correct the sequence of operation and retry the operation.

CLI0127E Invalid transaction code.

Explanation: The transaction option specified in SQLTransact was not SQL_COMMIT or SQL_ROLLBACK.

User Response: Specify either SQL_COMMIT or SQL_ROLLBACK and retry the operation.

CLI0128E Unexpected memory handling error.

Explanation: Memory handling error.

User Response: An unexpected error occurred in the driver while handling some internal memory buffer. Restart your application.

CLI0129E No more handles.

Explanation: A call was made to SQLAllocEnv, SQLAllocConnect, or SQLAllocStmt but no more handles are available in the driver.

User Response: Call SQLFreeEnv, SQLFreeConnect, or SQLFreeStmt to free up some handles which are no longer being used in the application.

CLI0130E No cursor name available.

Explanation: There was no open cursor on the statement and no cursor had been set with SQLSetCursorName.

User Response: Specify a cursor name through SQLSetCursorName.

CLI0131E Invalid string or buffer length.

Explanation: The length of the buffer specified is invalid.

User Response: Specify a valid buffer length.

CLI0132E Descriptor type out of range.

Explanation: The description type specified is not valid.

User Response: Specify a valid descriptor type.

CLI0133E Option type out of range.

Explanation: The option type specified is not valid.

User Response: Specify a valid option type.

CLI0134E Invalid parameter number.

Explanation: The number specified for the parameter number is less than zero or greater than the maximum parameter supported by the data source.

User Response: Specify a valid parameter number.

CLI0135E Invalid scale value.

Explanation: The scale value specified is invalid.

User Response: Specify a valid scale value.

CLI0136E Function type out of range.

Explanation: The function type is invalid.

User Response: Specify a valid function type value.

CLI0137E Information type out of range.

Explanation: The information type is invalid.

User Response: Specify a valid information type value.

CLI0138E Column type out of range.

Explanation: The column type is invalid.

User Response: Specify a valid column type value.

CLI0139E **Scope type out of range.**
Explanation: The scope type is invalid.
User Response: Specify a valid scope type value.

CLI0140E **Uniqueness option type out of range.**
Explanation: The uniqueness option type is invalid.
User Response: Specify a valid uniqueness option type value.

CLI0141E **Accuracy option type out of range.**
Explanation: The accuracy option type is invalid.
User Response: Specify a valid accuracy option type value.

CLI0142E **Direction option out of range.**
Explanation: The direction option is invalid.
User Response: Specify a valid direction option value.

CLI0143E **Invalid precision value.**
Explanation: The precision value is invalid.
User Response: Specify a valid precision value.

CLI0144E **Invalid parameter type.**
Explanation: The parameter type is invalid.
User Response: Specify a valid parameter type value.

CLI0145E **Fetch type out of range.**
Explanation: The fetch type is invalid.
User Response: Specify a valid fetch type value.

CLI0146E **Row value out of range.**
Explanation: The row value is invalid.
User Response: Specify a valid row value.

CLI0147E **Concurrency option out of range.**
Explanation: The concurrency option is invalid.
User Response: Specify a valid concurrency option value.

CLI0148E **Invalid cursor position.**
Explanation: The cursor position is invalid.
User Response: Specify a valid cursor position value.

CLI0149E **Invalid driver completion.**
Explanation: The driver completion is invalid.
User Response: Specify a valid driver completion value.

CLI0150E **Driver not capable.**
Explanation: The operation is valid but not supported by either the driver or the data source.
User Response: Specify a valid operation.

CLI0151E **No data pending.**
Explanation: SQLParamData or SQLPutData was called but there is no data at execute pending on this statement.
User Response: Respecify the parameters through SQLSetParam or SQLBindParameter.

CLI0152E **Not a string value.**
Explanation: The function expected a string argument to be supplied.
User Response: Respecify the argument to the function.

CLI0153E Invalid file name length.

Explanation: The length specified for the file name is invalid.

User Response: Specify a valid file name length.

CLI0154E Invalid connection state.

Explanation: An attempt to change the connection type was made but the connection or another connection (in the case of Distributed Unit of Work) is already opened.

User Response: Do not attempt to change the connection type once the connection is opened.

CLI0155E File name length is too long.

Explanation: The length supplied for the file name is greater than supported.

User Response: Specify a valid file name length.

CLI0156E Error closing a file.

Explanation: An unexpected condition occurred while closing a file.

User Response: Retry the operation.

CLI0157E Error opening a file.

Explanation: An unexpected condition occurred while opening a file.

User Response: Retry the operation.

CLI0158E Error writing to a file.

Explanation: An unexpected condition occurred while writing to a file.

User Response: Retry the operation.

CLI0159E Error deleting a file.

Explanation: An unexpected condition occurred while deleting a file.

User Response: Retry the operation.

CLI0164E Nullable type out of range.

Explanation: An invalid nullable value was specified.

User Response: Respecify the nullable value.

CLI0165E Error in row.

Explanation: An error occurred while fetching one or more rows. (Function returns SQL_SUCCESS_WITH_INFO.)

User Response: Retry the operation.

CLI0166E PARMLIST syntax error.

Explanation: The PARMLIST value in the stored procedures catalog table contains a syntax error.

User Response: Respecify the row for this stored procedure.

CLI0167E Operation was cancelled.

Explanation: SQLCancel was called on the statement.

User Response: Resubmit the operation.

CLI0171E The database was unable to connect. Reason: *reason-text*.

Explanation: The database connection failed. The 'Reason:' will explain why the database was unable to connect.

User Response: Fix the problem, and try the connect again.

CLI0172E The database was unable to connect. Would you like to continue with the configuration? Reason: *reason-text*.

Explanation: The database connection failed. The 'Reason:' will explain why the database was unable to connect.

User Response: Fix the problem, and try the connect again or continue with the configuration.

CLI0175E **No ODBC Driver Manager has been found. Cannot open ODBCINST.INI file.**

Explanation: Neither one of the Visigenic or the Intersolv ODBC Driver Managers have been installed. An ODBC Driver Manager must be present before the DB2 ODBC Driver can be registered into the associated ODBCINST.INI file.

User Response: Install an ODBC Driver Manager, and try running this command again.

CLI0176E **Unable to write to the ODBCINST.INI file.**

Explanation: An error has occurred while writing to an ODBCINST.INI file to be used with an ODBC Driver Manager. This may be due to invalid format of the original ODBCINST.INI file.

User Response: Rename the existing ODBCINST.INI file to something else and try running this command again. If this error persists, contact your technical support.

CLI0177E **Cannot determine where the DB2 OS/2 Client is installed.**

Explanation: An error has occurred while trying to locate where the DB2 OS/2 client is installed.

User Response: Check that the DB2 OS/2 Client has been correctly installed.

CLI0178I **The DB2 ODBC Driver has been successfully registered.**

Explanation: The DB2 ODBC Driver has been registered with the installed ODBC Driver Manager(s).

User Response: The user can now use the appropriate ODBC Administrator tool from the ODBC Driver Manager vendor to configure the ODBC data sources.

CLI0179E **Unable to display dialog box.**

Explanation: The DB2 ODBC Driver cannot open a dialog box with the window handle provided by the application.

User Response: The application must pass a valid window handle.

CLI0180E **Invalid bookmark value.**

Explanation: The argument fFetchOrientation was SQL_FETCH_BOOKMARK and the bookmark pointed to by the value SQL_ATTR_FETCH_BOOKMARK_PTR statement attribute was not valid.

User Response: Re-specify a valid bookmark value.

CLI0181E **Invalid descriptor index.**

Explanation: The value specified for the column number argument is invalid.

User Response: Re-specify a valid column number.

CLI0182W **Fractional truncation.**

Explanation: The data for one of the columns was truncated.

User Response: None needed.

CLI0183E **Associated statement is not prepared.**

Explanation: The descriptor handle was associated with an IRD, and the associated statement handle was not in a prepared state.

User Response: Prepare the statement associated with the descriptor.

CLI0184E **Cannot modify an implementation row descriptor.**

Explanation: The descriptor handle was associated with an IRD, and IRD record fields cannot be updated.

User Response: Specify a valid descriptor and field.

CLI0185E Invalid use of an automatically allocated descriptor handle.

Explanation: Only explicit descriptors allocated using the SQLAllocHandle function can be used in this manner.

User Response: Use an explicitly allocated descriptor.

CLI0186E Server declined cancel request.

Explanation: Communication errors caused the server to decline the cancel request.

User Response: None needed.

CLI0187E Non-character and non-binary data sent in pieces.

Explanation: SQLPutData was called more than once for a column that was not a character or binary column.

User Response: Only call SQLPutData once for non-character and non-binary data.

CLI0188E Attempt to concatenate a null value.

Explanation: A previous call to SQLPutData for this parameter specified an input buffer length of SQL_NULL_DATA

User Response: Call SQLPutData with a valid input buffer length or ensure SQLPutData is called the correct number of times.

CLI0189E Inconsistent descriptor information.

Explanation: The associated descriptor failed a consistency check.

User Response: Ensure that descriptor fields are valid, and all interdependent fields are set correctly.

CLI0190E Descriptor invalid on indirect reference.

Explanation: The descriptor handle was invalid, or the TYPE, OCTECT_LENGTH, DATA_PTR, INDICATOR_PTR, or OCTECT_LENGTH_PTR field of the ARD contained an invalid value.

User Response: Ensure the indirect descriptor handle is valid and that the deferred fields are set correctly.

CLI0191E Invalid attribute value.

Explanation: The value given was not correct for the specified attribute.

User Response: Use a correct value for the specified attribute.

CLI0192E Invalid database alias specified.

Explanation: You have specified an invalid or non-existent database alias name through the -d parameter of the DB2CAP command.

User Response: Specify the name of an existing database alias. To find out which databases are currently catalogued, use the LIST DATABASE DIRECTORY command.

CLI0193E Capture file *capture-file-name* not found or in use.

Explanation: DB2CAP is unable to open the file <capture-file-name> that you specified as a BIND parameter value. Either the file does not exist or some other process is using it exclusively.

User Response: Specify the name of an existing capture file or wait until the file is released by the other process.

CLI0194E Command syntax error. The correct syntax is: db2cap [-h | -?] bind capture-file -d db-alias [-u userid [-p password]]

Explanation: The parameters of the DB2CAP command, as well as the command name itself, must be typed exactly as shown in the syntax diagram above. They are case-sensitive on UNIX

platforms and case-insensitive on Intel platforms. There must be at least one space between the parameter and its value. For example: -u userid is correct, but -userid is incorrect.

In the syntax diagram, square brackets ([]) denote optional parameters. If you specify the userid but omit the password, you will be prompted to enter the password, in which case it won't be visible when you type it.

If you specify the -h or -? parameter, the command will display the syntax help and no other parameter will be processed.

User Response: Make sure the syntax of the command is as described in the diagram.

CLI0195E Invalid capture file: does not contain any valid statement groups.

Explanation: A valid capture file must contain at least one valid statement group.

User Response: Re-capture the application using the same capture file and make sure that at least one SQL statement was captured, or edit the capture file and add statement groups manually. When adding a statement group manually, make sure you specify all the required keywords for the type of SQL statement you are adding. Then submit your request again.

CLI0600E Invalid connection handle or connection is closed.

Explanation: Connection had been closed prior to the operation.

User Response: Ensure connection close is not called prior to the operation.

CLI0601E Invalid statement handle or statement is closed.

Explanation: Statement had been closed prior to the operation.

User Response: Ensure statement close and statement connection close are not called prior to the operation.

CLI0602E Memory allocation error on server.

Explanation: Cannot allocate memory on server.

User Response: Ask your database administrator to check the DB2 JDBC log file for details. Rerun your program.

CLI0603E CallableStatement get* method was called without registerOutParameter.**

Explanation: Get*** method was called on a parameter that was not registered using registerOutParameter.

User Response: Add registerOutParameter call for the parameter.

CLI0604E CallableStatement get* method was called without calling execute.**

Explanation: The CallableStatement get*** method was called prior to calling CallableStatement execute.

User Response: Make sure that CallableStatement execute is called prior to any CallableStatement get*** method.

CLI0605E CallableStatement get* method did not match the type used in registerOutParameter.**

Explanation: The CallableStatement get*** method was not the one that corresponds to the type used in registerOutParameter for this parameter.

User Response: Change to the get*** method that matches to the type used in registerOutParameter for this parameter. (Refer to JDBC specification)

CLI0606E The returned value from a column is incompatible with the data type corresponding to the get* method.**

Explanation: The value in a CHAR/VARCHAR/LONGVARCHAR column is

not a valid numeric value.

User Response: Use the appropriate get methods other than the ones that return numeric values.

CLI0607E Invalid datetime format.

Explanation: The value in CHAR, VARCHAR, LONGVARCHAR, GRAPHIC, or VARGRAPHIC column is invalid date/time/ timestamp value.

User Response: Use appropriate get*** method other than getDate/getTime/ getTimestamp.

CLI0608E Invalid conversion.

Explanation: The get*** method is invalid on this column type.

User Response: Use the valid get*** method (see JDBC specification) to retrieve data from this column.

CLI0609E Numeric value out of range.

Explanation: The value of this column is too large/small for a short or int value, conversion will cause data loss.

User Response: Use the get method that can accommodate the value.

CLI0610E Invalid column number.

Explanation: The column number is less than 1 or greater than the total number of columns in the ResultSet.

User Response: Make sure the column number is no less than 1 and no greater than the total number of columns.

CLI0611E Invalid column name.

Explanation: The given column name cannot be found in the ResultSet.

User Response: Ensure the column name is correct.

CLI0612E Invalid parameter number.

Explanation: The given parameter number is less than 1 or greater than the total number of parameters.

User Response: Ensure the parameter number is no less than 1 and no greater than the total number of parameters.

CLI0613E Program type out of range.

Explanation: The object given in the PreparedStatement/CallableStatement setObject is not a valid object type.

User Response: Make sure the object to be set is one of the object types allowed in setObject (see JDBC specification).

CLI0614E Error sending to the socket, server is not responding.

Explanation: Error happened while sending data to server, server may be down.

User Response: Ensure the server is up, and rerun your program.

CLI0615E Error receiving from socket, server is not responding.

Explanation: Error happened while receiving from server, server may be down.

User Response: Ensure JDBC server is up, and rerun your program.

CLI0616E Error opening socket.

Explanation: Cannot open the socket to server, server may be down.

User Response: Ensure JDBC server is up, and rerun your program.

CLI0617E Error closing socket.

Explanation: Cannot close the socket to server. Server may be down.

User Response: Ensure JDBC server is up, and rerun your program.

CLI0618E Userid and/or password invalid.

Explanation: The given userid/password is not valid.

User Response: Make sure the userid/password is correct, and rerun your program.

CLI0619E Invalid UTF8 data format.

Explanation: When getUnicodeStream is called on columns that are not DBCS columns, the decoding from UTF8 format is done, but the data cannot be decoded properly.

User Response: Use getString, getBytes, getAsciiStream, or getBinaryStream instead.

CLI0620E IOException, error reading from input stream.

Explanation: Error happened when reading data to be put from input stream.

User Response: Make sure the file exists, and file length is correctly given.

CLI0621E Unsupported JDBC Server configuration.

Explanation: The target JDBC Server configuration is not supported. If you are running the Control Center, the target JDBC Server must be a standalone db2jd process (started via db2jstrt) and not a 2-tier native JDBC Server.

User Response: Reconfigure the JDBC Server using db2jstrt on the port targeted by the Control Center.

CLI0622E Error accessing JDBC administration service extensions.

Explanation: The Control Center depends upon administration support services that run with the JDBC server. The Control Center was not able to locate or access these administration services.

User Response: Ensure that the Control Center's administration services are installed with the JDBC server.

CLI0623E Code page conversion tables do not exist.

Explanation: Cannot find the codepage conversion tables.

User Response: Ensure the conversion tables (from the local codepage to Unicode and from Unicode to the local codepage) are installed.

CLI0624E Code page conversion tables are not loaded.

Explanation: Cannot load the codepage conversion tables.

User Response: Ensure your JDBC application has access to the code page tables and the tables are not corrupted.

CLI0625E You specified JDBC 1.22 behavior; cannot use JDBC 2.0 functions.

Explanation: The function you are trying to call is a new function defined in JDBC 2.0, but you specified you want JDBC 1.22 behavior.

User Response: Do not set the JDBCVERSION keyword to "122" if you want to use JDBC 2.0 functions. It should remain unset or be set to "200".

CLI0626E function-name is not supported in this version of DB2 JDBC 2.0 driver.

Explanation: This feature is not supported by this version of the DB2 UDB JDBC 2.0 driver.

User Response: Do not use this feature.

CLI0627E The result set is not scrollable.

Explanation: The result set is not scrollable.

User Response: Ensure you set the statement/result set attribute to SCROLLABLE.

CLI0628E **No. *parameter-number* parameter marker in parameter set no. *set-number* is not set.**

Explanation: The set<data-type> method has not been called for this input parameter.

User Response: Call the set<data-type> method to specify the data type of and input value for this input parameter.

CLI0629E ***function-name* is not supported for this column.**

Explanation: This operation cannot be called for this column.

User Response: Change to other method.

CLI0630E **Unknown result set type/concurrency *number*.**

Explanation: An invalid value for result set type or concurrency has been specified.

User Response: Change the value to the proper value given in the specification.

CLI0631E **No random access for mixed char/clob column.**

Explanation: Random access is not supported for this mixed char column.

User Response: Retrieve the data sequentially.

CLI0632E **Invalid fetch size; it must be between 0 and maxRows, inclusively.**

Explanation: The fetch size specified must be greater than or equal to 0, and less than or equal to maxRows.

User Response: Modify the value.

CLI0633E **Cannot call relative() when there is no current row.**

Explanation: The relative method was called when the cursor is not at a valid row.

User Response: First move the cursor to a valid row (using absolute, next, etc), then call relative.

CLI0634E **Error allocating CLI environment handle.**

Explanation: SQLAllocEnv failed during initialization.

User Response: Ensure the DB2INSTANCE environment variable is set properly.

CLI0635E ***function-name* is not supported in an applet.**

Explanation: <function-name> is not supported in an applet.

User Response: Avoid using <function-name> in an applet.

CLI0636E **Property *property-name* is not specified for the Context object.**

Explanation: Property *property-name* is not specified for the Context object in your Java application.

User Response: Ensure that the property *property-name* is specified for the Context object in your Java application.

CLI0637E ***object* cannot be found.**

Explanation: <object> does not exist.

User Response: Ensure that the <object> exists.

CLI0638E ***object* already exists.**

Explanation: <object> cannot be created as it already exists.

User Response: Ensure that the operation is correct.

CLI0639E **Empty string.**

Explanation: An empty string is not allowed.

User Response: Correct the string specified.

CLI0640E *object cannot be listed.*

Explanation: <object> cannot be listed.

User Response: Ensure that the <object> can be listed.

CLI0641E **There is a SELECT statement in the batch.**

Explanation: A SELECT statement is not allowed in the batch.

User Response: Remove the SELECT statement from the batch.

CLI0642E **Invalid fetch direction.**

Explanation: The fetch direction specified is not supported.

User Response: Correct the fetch direction.

CLI0643E **There is no statement in the batch.**

Explanation: The batch does not have any statement.

User Response: Add a statement to the batch.

CLI0644E **Invalid row value to the absolute() call.**

Explanation: The row value specified to absolute() is invalid.

User Response: Correct the row value.

CLI0645E **Error registering driver *class-name*.**
Message: *message*. **SQLSTATE:** *sqlstate*. **SQLCODE:** *sqlcode*.

Explanation: The DriverManager is unable to register the DB2 JDBC driver.

User Response: Correct the problem as indicated by the returned message, SQLSTATE and SQLCODE, and run your program again.

CLI0646E **Cannot find library *library-name*.**

Explanation: *library-name* cannot be found in the library path. The library path is defined by the environment variable for the following operating systems:

AIX (Java 1.1)
LD_LIBRARY_PATH

AIX (Java 1.2 or later)
LIBPATH

HP-UX SHLIB_PATH

Linux LD_LIBRARY_PATH

OS/2 LIBPATH

Silicon Graphics IRIX
LD_LIBRARY_PATH

Solaris Operating Environment
LD_LIBRARY_PATH

Windows operating systems
PATH

User Response: Ensure your application environment is configured correctly to use DB2. On UNIX platforms, ensure that the sqllib/db2profile script has been run to set your environment variables.

CLI0647E **Error allocating DB2 environment handle. Return code = *return-code*.**

Explanation: The DB2 CLI environment could not be established.

User Response: Ensure your application environment is configured correctly to use DB2. On UNIX platforms, ensure that the sqllib/db2profile script has been run to set your environment variables. To interpret the return code, refer to the *CLI Guide and Reference* section on SQLAllocHandle().

CLI0648N **The ResultSet is closed.**

Explanation: The ResultSet was closed prior to the operation.

User Response: Ensure ResultSet.close() was not called prior to the operation. If you are

processing multiple ResultSets using `getMoreResults()`, please ensure you call `getResultSet()` prior to accessing the new `ResultSet`.

CLI0649N **executeQuery is only allowed for statements that return a ResultSet.**

Explanation: `executeQuery` is only allowed for statements that return a `ResultSet`. Such SQL statements include `SELECT`, `VALUES`, `WITH`, and `CALL` statements.

User Response: Use `executeUpdate()` or `execute()`.

CLI0650N **A query is not allowed in an executeUpdate().**

Explanation: You cannot issue a query with `executeUpdate()`.

User Response: Use `executeQuery()` or `execute()`.

CLI0651N **The stream contains more or less data than is specified.**

Explanation: The number of bytes or characters in the stream is not equal to the given length.

User Response: Specify the correct length.

Chapter 6. DBA Messages

This section contains the messages generated by the Database Administration (DBA) tools. The messages are listed in numeric sequence.

DBA0000I **The function completed successfully.**

Explanation: This message is for your information only.

User Response: No action is required.

DBA0001E **An internal error occurred when allocating memory.**

Explanation: An internal error occurred when allocating memory. The application is terminated.

User Response: Try closing some applications to release memory. If the problem persists, contact IBM Service.

DBA0002E **An internal error occurred. Unexpected input was received from the request.**

Explanation: An unexpected input value was received from the request. The application is terminated.

User Response: Contact IBM Service.

DBA0003E **An inconsistency in the table definition was detected when processing the alter request.**

Explanation: When processing an alter table request, an inconsistency was detected between the last known table definition and the table definition fetched from the database. The table definition might have changed outside of the context of the administration tool. The table cannot be altered. The request is terminated.

User Response: Select the "Refresh" action on the "Tables" pop-up menu to get an updated list

of tables from the database. Try altering the table again.

DBA0004E **An error occurred when validating a connection to a database.**

Explanation: An invalid connection was detected. A problem can occur if the server is brought down, the currently held connections are no longer valid, and a new connection cannot be obtained. The request is terminated.

User Response: Ensure that the server is started. Select the "Connect" action in the pop-up menu of the database that you want to connect to. Try the action again.

If the action fails again, ensure that your network is operating for the target system and that the database is up and running on that system.

If the network is operational, a system internal error might have occurred. Contact IBM Service.

DBA0005E **An error occurred when validating an attach to an instance.**

Explanation: An invalid connection was detected. The database might have stopped or the connection might no longer exist. The request is terminated.

User Response: Ensure that the server is started. Select the "Connect" action in the pop-up menu of the database that you want to connect to. Try the action again.

If the action fails again, ensure that your network is operating for the target system and that the database is up and running on that system.

If the network is operational, a system internal error might have occurred. Contact IBM Service.

DBA0006E An error occurred when validating a handle for a persistent database connection or instance attach.

Explanation: An invalid connection was detected. The database might have stopped or the connection might no longer exist. The request is terminated.

User Response: Ensure that the server is started. Select the "Connect" action in the pop-up menu of the database that you want to connect to. Try the action again.

If the action fails again, ensure your network is operating for the target system and that the database is up and running on that system.

If the network is operational, a system internal error might have occurred. Contact IBM Service.

DBA0007E An internal error occurred when setting the context type for connections.

Explanation: An error occurred when setting the context type for connections established by the application. The application is terminated.

User Response: Contact IBM Service.

DBA0008E An internal error occurred. An unexpected list type was requested.

Explanation: The type of object to be listed was not recognized as a valid type by the application. The application is terminated.

User Response: Contact IBM Service.

DBA0009E An internal error occurred. An unexpected request type was received.

Explanation: The type of request to be performed was not recognized as a valid type by the application. The application is terminated.

User Response: Contact IBM Service.

DBA0010E An internal error occurred. An unexpected object type was detected.

Explanation: The type of object to be processed was not recognized as a valid type by the application. The application is terminated.

User Response: Contact IBM Service.

DBA0011E There are too many open connections.

Explanation: The maximum number of open database connections was reached. The request is terminated.

User Response: Either:

- Disconnect from other databases and connect to the database you want. Select the "Disconnect" action in the pop-up menu of the databases from which you want to disconnect. Select the "Connect" action in the pop-up menu of the database to which you want to connect.
- Update the configuration parameter to increase the number of connections allowed.

DBA0012E Unable to allocate a connection handle.

Explanation: An error occurred when attempting to allocate a connection handle. The application is terminated.

User Response: Contact IBM Service.

DBA0013W The maximum number of objects that can be listed was reached.

Explanation: The maximum number of objects that can be listed by the application was reached. The maximum number is 20,000.

User Response: None

DBA0014E An internal error occurred. An unexpected drop type was requested.

Explanation: The type of object to be dropped was not recognized as a valid type by the application. The application is terminated.

User Response: Contact IBM Service.

DBA0015E An internal error occurred. A latch request failed.

Explanation: A latch request failed. The application is terminated.

User Response: Contact IBM Service.

DBA0016E An internal error occurred. An unlatch request failed.

Explanation: An unlatch request failed. The application is terminated.

User Response: Contact IBM Service.

DBA0017E No error information is available. See the administration tools log.

Explanation: No error information can be displayed.

User Response: See the administration tools log for error information.

DBA0018E The Administration Server is not started. Start the Administration Server and try the action again.

Explanation: The Administration Server is not started.

User Response: Start the Administration Server using the DB2ADMIN START command on the target system and try the action again.

DBA0019E The object *object-name* is in use. Try the action again at a later time.

Explanation: The object on which the action was requested or a related object is already being

used in another action. Modifications to the object or a related object might be in progress.

The requested action cannot be performed at the same time as the current action.

Examples:

- If a table is being altered, a request to rename the same table will not be allowed until the interaction with the Alter window is complete. However, a request to sample the contents of that table is allowed.
- A request to drop an object (such as a table) will not be allowed if any other actions are pending on related objects (such as the database, views, or triggers).

The action is not performed.

User Response: Try the action again at a later time when the object is available.

DBA0020E An error occurred opening the administration tools trace file.

Explanation: An error occurred opening the administration tools trace file.

User Response: Contact IBM Service.

DBA0021E An error occurred writing to the administration tools trace file.

Explanation: An error occurred writing to the administration tools trace file.

User Response: Contact IBM Service.

DBA0022W An error occurred closing the administration tools trace file.

Explanation: An error occurred when attempting to close the administration tools trace file. Processing continues.

User Response: Ensure that the administration tools log file was specified correctly.

DBA0023W An error occurred opening the administration tools log file.

Explanation: An error occurred when attempting to open the administration tools log file. Processing continues.

User Response: Ensure that the administration tools log file was specified correctly.

DBA0024W An error occurred writing to the administration tools log file.

Explanation: An error occurred when attempting to write to the administration tools log file. Processing continues.

User Response: Ensure that the administration tools log file was specified correctly and can be written to.

DBA0025W An error occurred closing the administration tools log file.

Explanation: An error occurred when attempting to close the administration tools log file. Processing continues.

User Response: Ensure that the administration tools log file was specified correctly.

DBA0026E An internal administration tools error occurred.

Explanation: An unrecoverable error occurred.

User Response: Contact IBM Service.

DBA0027E An internal error occurred. A lock contention in the administration tools was detected.

Explanation: Lock contention in the administration tools was detected.

User Response: Contact IBM Service.

DBA0028I The current administration tools session will be terminated due to an unrecoverable error.

Explanation: A severe internal error occurred.

User Response: Contact IBM Service.

DBA0029C The application programming interface *program* did not complete successfully for object *name* with reason code *name*. Try again or contact your local support.

Explanation: An application programming interface call did not complete.

User Response: Try the operation again or contact your system administrator.

DBA0030E An error occurred while attempting to connect to database *name*.

Explanation: The requested operation could not complete because it requires a connection to database *name*. The connection was not successful.

User Response: Make sure the database is accessible. Try explicitly connecting to the database using the connect action on the database pop-up menu. A common error on connection is an invalid userid and password. Make sure you have supplied the proper userid and password. Try the operation again or contact your system administrator.

DBA0031E An error occurred while attempting to attach to instance *name*.

Explanation: The requested operation could not complete because it requires an attachment to the instance *name*. The attachment was not successful.

User Response: Make sure the instance is accessible. Try explicitly connecting to the instance using the connect action on the instance pop-up menu. A common error on connection is an invalid userid and password. Make sure you

have supplied the proper userid and password. Try the operation again or contact your system administrator.

DBA0032C An error occurred while attempting to load DLL *name*.

Explanation: Either the dynamic link library *name* was not found or an error occurred while reading the file.

User Response: Verify that the DLL is installed and undamaged, and its location is part of the LIBPATH parameter in the CONFIG.SYS file.

DBA0033C *name* cannot be dropped because it is currently in use by the administration tools. Close some windows and retry the command.

Explanation: Either the object *name* you selected to drop, or an item that is owned by the object you selected to drop, is still being used by another administration tool. For example, you might have an ALTER table window open for a database that you are trying to drop. In this case, you cannot drop the database until you close its ALTER table window.

User Response: Close all the windows using the object you selected, or close all the windows using items owned by that object, and then retry the command.

DBA0034C *name* cannot be removed because it is currently in use by the administration tools. Close some windows and retry the command.

Explanation: Either the object *name* you selected to remove, or an item that is owned by the object you selected to remove, is still being used by another administration tool. For example, you might have an ALTER table window open for a database that you are trying to remove. In this case, you cannot remove the database until you close its ALTER table window.

User Response: Close all the windows using the object you selected, or close all the windows

using items owned by that object, and then retry the command.

DBA0035C The *operation* operation cannot be performed because the object *name* is currently in use by the administration tools. Close some windows and retry the command.

Explanation: This operation *operation* requires *name* to be in a *name* state.

User Response: Make sure all other pending operations on the selected object are complete, and then retry the command.

DBA0036I The database configuration was successfully updated. All applications must disconnect from database *name* before the changes come into effect. If a backup has already been taken it is recommended to take another backup of the database in order to pick up the new configuration values.

Explanation: The database configuration was successfully updated, but the active database configuration cannot be changed until all applications are disconnected from the database. Once all applications are disconnected, the changes will come into effect with the first connection to the database.

User Response: Ensure that all applications are disconnected from the database, and then reconnect to the database.

DBA0037I The instance configuration was successfully updated. The instance *name* must be stopped before most changes come into effect.

Explanation: The instance configuration was successfully updated.

Changes to the configuration parameter "dftdbpath" take effect immediately.

For the remaining configuration parameters, the

changes do not take effect until all applications have disconnected from the database, and the instance is successfully stopped and started again.

User Response: To make all changes take effect, ensure that all applications have disconnected from the database, stop the instance, and then start it again.

You can stop the instance by selecting the stop action on the instance pop-up menu in the Control Center. You can then start the instance by selecting the start action on the instance pop-up menu in the Control Center.

DBA0039W There are currently database objects locked or database connections in use. Continue shutdown?

Explanation: The database objects in the Control Center are locked when actions, such as Alter Table, are taken against them. Other actions will maintain connections to the database that are required to complete the task.

User Response: If you choose to continue with the shutdown, then all locks and connections are forced and the tools will shut down. It can be dangerous to do so, however, because forcing some actions (like Restore Database) halfway through the task can leave the database in a corrupted state.

It is safest to first go back to the DB2 tools and make sure there are no database operations outstanding.

DBA0040W Shutting down will stop the Snapshot monitor. Continue shutdown?

Explanation: Snapshot monitoring has been started on one or more database objects and to continue the monitoring, you must have the DB2 tools running.

User Response: Choose to continue the shutdown only if you no longer require the Snapshot monitor.

DBA0041I The requested operation could not be performed because the DB2 Administration Tools is an untrusted applet.

Explanation: Applets loaded over the network are usually considered to be untrusted. Different Web browsers and applet viewers may impose different restrictions on untrusted applets including most local system operations (For example, read files, write files, and print files).

User Response: Consult your system administrator and see if these restrictions can be relaxed or customized.

DBA0042I Do you want to clear the setting for the userid and password that was used to connect to this database.

Explanation: If you choose to clear this setting, you will prevent unauthorized access to this database from this workstation. However, you will be prompted to enter the correct userid and password the next time you connect to this database.

User Response: Click on Yes to clear the userid and password setting. Click on No to save the userid and password setting until you exit the Control Center.

DBA0043I The command has not been executed.

Explanation: The operation did not occur and has been aborted.

User Response: Resubmit the command.

DBA0100I Control Center is updating node directory information for instance - instance. Incorrect information is being corrected. The current request cannot be performed.

Explanation: The Control Center detected that the nodetype changed at the instance and is recataloging the instance based on the new information. Depending on the nodetype value

for the instance, actions from the Control Center may be different.

User Response: If available, try the request again.

DBA0101W Entries specified in the exception list will not be used. Do you want to continue?

Explanation: The Nodes Contain Exceptions check box is deselected, but exception containers are specified in the List Exception dialog.

User Response: Click on Yes to clear the exception containers list, or click on No or Cancel to reselect the Nodes Contain Exceptions check box.

DBA0102W Unable to detect nodetype for instance - *instance*. Reason Code: *reason-code*.

Explanation: Nodetype is a database manager configuration parameter that identifies whether the instance is a single-partition or partitioned environment.

Discovery tries to resolve the nodetype value for you. This distinction between instances is required because actions in the Control Center can be different between single-partition and partitioned environments.

If the reason code is -1, discovery could not map the catalogued instance to a valid DB2 instance.

All other reason codes map to a valid SQL message. Check the help for the corresponding SQL message.

User Response: Discovery has the following requirements:

1. DB2 Administration Server must be set up and running at the remote instance you want to catalog or access.
2. Ensure the instance is listed in the registry. Issue `db2set -l` from the host you are cataloging.
3. The following global DB2 Registry values must be set:
 - DB2SYSTEM

- DB2ADMINSERVER
4. The following instance DB2 Registry values must be set:
 - DB2COMM
 5. The following administration server configuration parameters must be set:
 - DISCOVER = KNOWN and DISCOVER_COMM = null
- or
- DISCOVER = SEARCH and DISCOVER_COMM = protocol (for example, TCPIP)

Verify the setting of these registry values by entering `db2set -all`.

DBA0103W Changes made to the configuration parameter values will not be used. Do you want to continue?

Explanation: Another database partition was selected, but the changes to the configuration parameters apply to the previously selected database partition.

User Response: Click on Yes to obtain the configuration parameter values for the next database partition and discard the changes that were specified for the previously selected database partition.

DBA0113E Exception containers are specified, but not all nodes in the nodegroup are included. No containers are specified for the following nodes: *node-list*.

Explanation: The specified exception containers have no common container. Because no common container is specified, the exception container must be defined at every node in the nodegroup.

User Response: Click on OK to add containers to the specified nodes.

DBA0114W Control Center detected incorrect node directory information for instance - *instance*. Incorrect information is being corrected. Please exit and restart the Control Center. The current request cannot be performed.

Explanation: The Control Center detected that the nodetype changed at the instance.

User Response: Exit the Control Center and restart it.

DBA0115I Node directory information has been corrected for this instance. Instance *instance* should be refreshed.

Explanation: Because the cataloged information for the instance is updated, the displayed objects and actions may not be correct.

User Response: Select the "Refresh" action from the instance pop-up menu to update the Control Center, then try the request again.

DBA0116I The operation cannot be performed by the JDBC server at this time. Retry this operation later.

Explanation: The JDBC server is currently busy with an existing operation and cannot perform the user operation.

User Response: Wait until the JDBC server completes the existing operation and retry the operation.

DBA0117W Partition information could not be retrieved. Reason code = *reason-code*, object = *object*.

Explanation: Function which relies on successful retrieval of partition information will be disabled or removed. This may include menu items as well as actual dialog function.

User Response: Make sure that the DAS is started at the server where the object exists. If the DAS is started, then treat the return code as a

DAS error and continue troubleshooting.

DBA0200N An attempt to open or read from file *filename* failed. Error code = *error-code*.

Explanation: An attempt was made to either open or read from a file using the Database Administration Server (DAS). The attempt failed.

User Response: Verify that the DAS is running, and that the file exists and has read permission for the userid associated with the DAS.

If the problem persists, contact your IBM service representative with the corresponding file name and error code.

DBA0201N An attempt to open or write to file *filename* failed. Error code = *error-code*.

Explanation: An attempt was made to either open or write to a file using the Database Administration Server (DAS). The attempt failed.

User Response: Verify that the DAS is running, and that the file system is not full and has write permission for the userid associated with the DAS.

If the problem persists, contact your IBM service representative with the corresponding file name and error code.

DBA0202N An attempt to open or read from file *filename* failed. Error code = *error-code*.

Explanation: An attempt was made to either open or read from a file. The attempt failed.

User Response: Verify that the file exists and has appropriate read permission.

If the problem persists, contact your IBM service representative with the corresponding file name and error code.

DBA0203N An attempt to open or write to file *filename* failed. Error code = *error-code*.

Explanation: An attempt was made to either open or write to a file. The attempt failed.

User Response: Verify that the file system is not full and that the it has appropriate write permission.

If the problem persists, contact your IBM service representative with the corresponding file name and error code.

DBA1005W This action will force both Local Databases and Gateway applications. Do you want to continue?

Explanation: You requested to force all applications on the instance.

User Response: Click Yes to process the request or No to cancel it.

DBA1006E An invalid plugin extension has been detected by the Control Center.

Explanation: The file "db2plug.zip" has been corrupted or not properly setup.

User Response: If the Control Center is running as an application, check to see if "db2plug.zip" is included in the "CLASSPATH" environment variable. If the Control Center is running as an applet, check to see if "db2plug.zip" is included in the "archive" tag of the db2cc.htm HTML file. If the problem persists, contact your DB2 system administrator.

DBA1007W An invalid object name or parameter was entered. The Control Center will start with the Systems folder as the root of the navigator tree.

Explanation: An invalid object name means that the system, instance, subsystem, or database name entered cannot be found, either because it does not exist or because the combination of

names entered is invalid. For example, the database name entered may exist but not within the specified system name. An invalid parameter means that something other than -h, -i, -sub, or -d was entered.

User Response: Ensure that you are using valid object names and parameters, and try again.

DBA1100W Less than *number* MB of memory is dedicated to your server. No recommendation has been made. The current values on the Results Page match the suggested values.

Explanation: Because the amount of memory dedicated to the server is so small, the Configuration Advisor cannot make a recommendation.

The suggested values in the "Results Page" are the same as the current values.

User Response: If you can dedicate more memory to the server, turn to the "Server Page", increase the amount of memory, and try again. Otherwise, click on Cancel to close the Configuration Advisor.

DBA1101I Unable to obtain stripe sets information on the table space container. Stripe sets will not be shown.

Explanation: The connected user may not have sufficient authority to obtain stripe sets information.

User Response: SYSADM authority is required to obtain stripe sets information.

DBA1102E An error occurred when the Configuration Advisor tried to save the suggested values in a system file.

Explanation: Either the Configuration Advisor could not create a CFG subdirectory under your instance directory or it could not save a system file containing recommendations into the CFG subdirectory of your instance directory.

User Response: Make sure the disk containing the instance directory is not full and you have write access to this disk. Afterwards, click on Done to try again.

DBA1104I The instance and database configuration parameters were successfully updated. The instance *name* must be stopped before most changes come into effect. You may want to rebind your packages after the new configuration parameters take effect so that the new values will be used during the bind.

Explanation: The Configuration Advisor has updated the database manager configuration parameters, database configuration parameters, and buffer pool sizes in the SYSBUFFERPOOLS catalog.

The changes will not take effect until the instance is stopped on the server.

Packages were bound with the old configuration parameters. They need to be rebound, after the new parameters take effect, to exploit these new parameters.

User Response: When you are ready to use the new configuration parameters, stop the instance, and then start the instance.

Rebind your packages if necessary.

DBA1107E An error occurred when the Configuration Advisor tried to get system information from your server.

Explanation: An unexpected error occurred. The Configuration Advisor cannot continue.

User Response: Contact your system administrator.

DBA1108W The Configuration Advisor was unable to increase the sizes of the buffer pools due to other memory requirements determined from your responses. The buffer pool sizes are left unchanged. The use of the suggested set of configuration values may cause paging on the server.

Explanation: This is a warning that there may not be enough memory dedicated to your server to run the workload that you specified.

User Response: Review your selections on previous pages of the Configuration Advisor to check that the workload description is appropriate or add more memory to your server.

DBA1109W The transactions rate you entered is more than ten times the average number of connected applications. If you are using a transaction manager, ignore this message. If not, consider changing the rate.

Explanation: The Configuration Advisor verifies that the transactions rate is reasonable. The transaction rate may be too high if you are not using a transaction manager.

User Response: If you are using a transaction manager, ignore this message. Otherwise, use a lower number of transactions per minute, or increase the average number of connected applications.

DBA1110I The system database directory has no entries.

Explanation: There are currently no entries found in this database directory.

User Response: No action is required.

DBA1111E The database alias *name* already exists for another database.

Explanation: You requested that a backup be recovered into a new database, but the database

name you specified is already used as an alias for an existing database.

When a database is created, the database is cataloged in the system database directory using the database name as the alias, and this alias must be unique.

User Response: Specify a database name that is not being used as an alias, or request that the backup be recovered into the existing database.

DBA1112E The database alias *name* was not found in the system database directory.

Explanation: You requested that a backup be recovered into an existing database, but a database no longer exists with this alias.

User Response: Select an existing database, or request that the backup be recovered into a new database.

DBA1113E Restart failed because indoubt transactions exist against the database and the connection to the database was dropped.

Explanation: The restart operation encountered indoubt transactions. This left the database in an inconsistent state. The DBA Utility dropped the connection to the database.

User Response: Resolve the indoubt transactions. If they are not resolved, applications must restart the database whenever it is required.

If you are in an XA/DTP environment, and the transaction manager that was using the database is available, instruct it to resolve the indoubt transactions.

Otherwise, use the Command Line Processor to manually complete each indoubt transaction.

DBA1114E Database *name* is in backup pending state. A full backup must be done before the database can be used.

Explanation: This state will prevent the database from being updated. The database must

be backed up before any updates can happen.

User Response: Back up the database.

DBA1115E Enter a value for *name*.

Explanation: A value is required.

User Response: Provide the value and retry the request.

DBA1116E The value for *parameter* must be between *minimum* and *maximum*.

Explanation: The value must be within the specified range.

User Response: Enter a value in the specified range and retry the request.

DBA1117E The value for *name* is not valid.

Explanation: The value entered is not valid.

User Response: Correct the value and retry the request.

DBA1118E The value for *name* must not exceed *maximum*.

Explanation: The value entered is not valid.

User Response: Correct the value and retry the request.

DBA1119E The value for *name* must not be smaller than *minimum*.

Explanation: The value entered is not valid.

User Response: Correct the value and retry the request.

DBA1121I A job was created for the request description on system *system*. Its job number is *number*. To view the status and output of the job, use the Jobs page on the Journal.

Explanation: The job was successfully started.

User Response: To view the status and output of the job, use the Jobs page on the Journal.

DBA1122I The job has completed for the request *description* on system *system*. For the status and output of the job, view job *number* in the Jobs page on the Journal.

Explanation: The job has completed.

User Response: To view the status and output of the job, use the Jobs page on the Journal.

DBA1123I Job *description* is terminated.

Explanation: The job was canceled in response to a user request.

User Response: No action is required.

DBA1126I The database has no table spaces.

Explanation: The database has no table spaces.

User Response: No action is required.

DBA1127I The table space has no containers.

Explanation: The table space has no containers.

User Response: No action is required.

DBA1128E No containers have been specified. Select "Add" in order to create containers.

Explanation: The current list does not contain any new containers.

User Response: Select "Add" and fill in the necessary fields to add a container to the list.

DBA1129E Provide a value for *name*.

Explanation: The operation you requested can be performed only if you enter a value for *name*.

User Response: Enter a value, and then click on OK.

DBA1130E The *name* entries must not exceed maximum characters.

Explanation: You entered a value that exceeded the maximum number of characters.

User Response: Enter a valid value, and then click on OK.

DBA1131E *device* is not a valid tape device.

Explanation: The operating system did not accept the specified tape device. Local tape devices are of the form "\\.\TAPEn", where n represents the drive number (0 is the first).

User Response: Enter a valid name for the tape device, and then click on OK.

DBA1132E Tape device *device* does not support a tape mark blocksize of *blocksize*.

Explanation: The Control center uses a tape mark blocksize that is not supported by the specified tape device.

User Response: Use the Command Line Processor to submit the request. Specify a supported blocksize in the DB2 INITIALIZE TAPE command.

DBA1133E An error occurred operating tape device *device*.

Explanation: An unexpected error occurred while operating the specified tape device.

User Response: Resubmit the request. If the problem persists, contact your system administrator.

DBA1134I A job was created for the request *description*. However, no job-related entries can be created in the Journal because the database administrative server (DAS) instance could not be accessed.

Explanation: The job started successfully, but the status and output of the job will not be

logged in the Journal. This can happen if the DAS instance is not started.

User Response: To have the status and output of the job logged in the Journal, start the DAS instance first before starting a backup operation.

DBA1135I The job has completed for the request *description*.

Explanation: The job has completed.

User Response: No action is required.

DBA1136E A backup at the table space level cannot be performed because the database *db* is not enabled for forward recovery.

Explanation: You can only back up a database at the table space level if you have first enabled that database for forward recovery.

User Response: To enable the database for forward recovery, you can either:

- Use the Database Logging Wizard to change your logging type to ARCHIVE logging.
 - Set either the LOGRETAIN or the USEREXIT database configuration parameters to ON, disconnect all existing applications from the database, and perform an offline backup of the database.
-

DBA1137E The value for *name* must not be smaller than *minimum units*.

Explanation: The value entered is smaller than the minimum *minimum units*.

User Response: Enter a valid value and retry the request.

DBA1138E The value for *name* must not exceed *maximum units*.

Explanation: The value entered exceeded the maximum of *maximum of units*.

User Response: Enter a valid value and retry the request.

DBA1139E You must allocate at least *pages* for the system catalog.

Explanation: There cannot be more than *pages* in each table space container. Each page of data requires 4 KB. So 1 MB of storage is equal to 256 of these 4 KB pages.

User Response: Enter a valid value and retry the request.

DBA1140E You cannot allocate more than *pages* pages in a single container.

Explanation: Each page of data requires 4 KB. So 1 MB of storage is equal to 256 of these 4 KB pages.

User Response: Enter a valid value and retry the request.

DBA1141E You must allocate at least *pages* pages in each container.

Explanation: The minimum number of pages in a table space container is related to the extent size of the table space. It is 5 times the extent size plus one page. So for a table space with an extent size of 32 pages (the default value), the minimum size of a single container is 161 pages.

User Response: Enter a valid value and retry the request.

DBA1142W The LOGARCHIVE database configuration parameter has currently been set to ON for database *name*. As soon as all applications have disconnected from the database, the database will be in backup pending state. This state prevents the database from being updated. The database must be backed up before any additional updates can occur.

Explanation: Before the database manager can start logging each transaction in your database, it must have a full offline database backup to use as a starting point.

User Response: Make a full offline database

backup as soon as possible. If this is not possible, set the LOGARCHIVE parameter to OFF.

DBA1143E You cannot perform an offline backup right now because at least one application is still connected to the database. You can either try again later, or disconnect all applications connected to the database immediately by selecting force from the instance object's pop-up menu.

Explanation: An offline backup cannot be performed until all applications connected to the selected database have stopped. You can either wait for the applications to disconnect themselves, or you can force the connected applications right now.

User Response: Either try the action later, or, to force all applications connected to the selected database immediately, select "Force" from the instance object's pop-up menu.

DBA1144E The container *container-name* already exists.

Explanation: Each table space container must be unique.

User Response: Specify a file name or directory that does not currently exists on the system.

DBA1145E The container *container-name* has been specified more than once.

Explanation: Each table space container must be unique.

User Response: Specify a file name or directory that is not currently in your list of new containers.

DBA1146E The container *container-name* is included in both the user and temporary storage spaces.

Explanation: Each table space container must be unique.

User Response: Change the file name or

directory of the container in either the user or temporary table space.

DBA1147E The container *container-name* is included in both the catalog and temporary storage spaces.

Explanation: Each table space container must be unique.

User Response: Change the file name or directory of the container in either the catalog or temporary table space.

DBA1148E The container *container-name* is included in both user and catalog storage spaces.

Explanation: Each table space container must be unique.

User Response: Change the file name or directory of the container in either the user or catalog table space.

DBA1149E *param-1* does not have enough free space for the containers you specified.

Explanation: When a DMS container is created it consumes the full amount of space you allocated to it.

User Response: Change the location of the container to an area that has more storage, or increase the available storage in the current location of the container.

DBA1150E A column with the same name already exists.

Explanation: The column was not added because a column with the same name is already specified or exists in the table being created or altered.

User Response: Specify a different column name.

DBA1151W The requested operation was not performed against the column or constraint. Reason code = *reason-code*.

Explanation: An attempt was made to add, alter, or remove a column or constraint during table creation or alteration. The reason code given indicates the actual rule violation, as follows:

- 1 A column or constraint with the same name already exists.
- 2 The column participates in the primary or partitioning key and cannot be removed.
- 3 The column participates in a unique key and cannot be removed.
- 4 The column participates in a foreign key and cannot be removed.
- 5 The column participates in a table dimension and cannot be removed.
- 6 The column may participate in a table check constraint. The operation was allowed.
- 7 Primary and unique keys cannot be defined as a subset of all dimension columns.
- 8 Dimensions cannot be defined such that any primary or unique key becomes a subset of all dimension columns.
- 9 Primary and unique keys must be defined as supersets of the partitioning key.
- 10 The partitioning key must be defined as a subset of all existing primary and unique keys.
- 11 An object with that column set already exists.

User Response: Correct the condition that is causing the operation to fail and retry the operation.

DBA1152E A constraint with the same name already exists.

Explanation: The constraint was not added because a constraint with the same name is already specified or exists in the table being created or altered.

User Response: Specify a different constraint name.

DBA1153E The object is already in the list.

Explanation: The specified object already exists in the list. The action is not performed.

User Response: Specify another object or close the window.

DBA1154E The specified system, instance, and database do not identify a recognized database.

Explanation: The system, instance, and database specifications do not identify a database that is known to the application. The action is not performed.

User Response: Either ensure that the system, instance, and database names are correct; or add the system, instance, and database that you want to access to the application.

DBA1155E The object *object-name* no longer exists in the database. The request cannot be performed.

Explanation: The specified object no longer exists in the database and cannot be operated on. The request is terminated.

User Response: Select the "Refresh" action in the pop-up menu of the object folder to get an updated list of objects.

DBA1156W The request completed with warnings. See the administration tools log for details.

Explanation: The requested action completed, but one or more warning messages were issued.

User Response: See the administration tools log for more information.

DBA1157E No authorities or privileges were granted or revoked on *object-name* for *user-name*. See the administration tools log for details.

Explanation: The requested action completed. No action was taken against the authorities or privileges on the specified object for the specified user or group.

User Response: None

DBA1158I Number of records read during the load = *count*. Number of records skipped before the load begins = *count*. Number of rows loaded into the target table = *count*. Number of records that could not be loaded = *count*. Number of duplicate rows deleted = *count*. Number of records loaded successfully and committed to the database = *count*.

Explanation: The action completed with the specified results.

User Response: None

DBA1159I Export completed. *item-description* = *count*.

Explanation: The export action completed successfully with the specified results.

User Response: None

DBA1160I Import completed. Number of records read during the import = *count*. Number of records skipped before the import begins = *count*. Number of rows imported into the target table = *count*. Number of records that could not be imported = *count*. Number of duplicate rows deleted = *count*. Number of records imported successfully and committed to the database = *count*.

Explanation: The import action completed successfully with the specified results.

User Response: None

DBA1161I *item-description* = *count*.

Explanation: The import or export completed with the specified results.

User Response: None

DBA1162I Load completed. Number of records read during the load = *count*. Number of records skipped before the load begins = *count*. Number of rows loaded into the target table = *count*. Number of records that could not be loaded = *count*. Number of duplicate rows deleted = *count*. Number of records loaded successfully and committed to the database = *count*.

Explanation: The load action completed successfully with the specified results.

User Response: None

DBA1163E The table was not copied. See the administration tools log for details.

Explanation: One or more warnings or errors occurred when copying the table. The table was not copied.

User Response: See the administration tools log for more information.

DBA1164E The specified target table already exists. The source table was not copied.

Explanation: The copy table action failed because the target table exists.

User Response: Either specify a new target table or delete the existing target table and try the action again.

DBA1165E No privileges were granted or revoked for *user-name*.

Explanation: Privileges were not granted to or revoked from the specified user or group since no privileges have been changed.

User Response: Resubmit the command after making changes to the current privileges.

DBA1166E The identifier *identifier-name* contains unbalanced quotes. Correct the identifier and try the action again.

Explanation: The specified identifier contains unbalanced single or double quotes. The naming rules require balanced quotes. The action is not performed.

User Response: Correct the identifier and try the action again.

DBA1167E The identifier *identifier-name* contains embedded blanks. Correct the identifier and try the action again.

Explanation: The specified identifier contains blank characters, which violates the naming rules for ordinary identifiers. The action is not performed.

User Response: Remove the blanks or delimit the identifier with double quotes and try the action again.

DBA1168E The first character in the identifier *identifier-name* is not valid. Correct the identifier and try the action again.

Explanation: The first character of the specified identifier is invalid. It must follow the naming rules for ordinary identifiers. The action is not performed.

User Response: Replace the first character with a valid one or delimit the identifier with double quotes then try the action again.

DBA1169I The command script that can update the instance and database configuration parameters was created successfully. Use the Script Center to run or schedule the script.

Explanation: A new script was saved successfully in the Script Center. You may open the Script Center to view, run or schedule the new command script.

After the script is run, the changes will not take effect until the instance is stopped on the server.

Packages were bound with the old configuration parameters. They need to be rebound, after the new parameters take effect, to exploit these new parameters.

User Response: To view, run or schedule the newly saved script, open the Script Center by selecting the Script Center icon from the icon bar.

After you have run the script and when you are ready to use the new configuration parameters, stop the instance, and then start the instance.

Rebind your packages if necessary.

DBA1170E The page size of the table space and the page size of the buffer pool *buffer-pool* must be equal.

Explanation: You must choose an existing buffer pool whose page size matches that of the table space you wish to create. The default buffer pool has the default page size of 4K. If any other page size is desired for the table space, a buffer

pool with a matching page size must exist.

User Response: From the Advanced Table Space window, change the page size of the table space to match that of the buffer pool or change the buffer pool to one whose page size matches that of the table space. If there are no buffer pools of the desired page size, you can create one from the Create Buffer Pool window.

DBA1171N **The temporary table space *tablespace* specified cannot be used for this utility operation.**

Explanation: The backup and restore commands cannot be performed on a temporary table space.

User Response: Resubmit the command using only valid non-temporary table spaces.

DBA1172W **Since the database is in backup pending state, you must perform an offline database backup. This has been preselected for you. Other options that are no longer available having been disabled.**

Explanation: The only valid operation for a database in Backup Pending state is to perform an offline database backup. The wizard has ensured that these options are selected. It has also disabled the other options in the wizard that are no longer available.

User Response: Complete the wizard, and run the command. It is recommended that you perform a full database backup.

DBA1173N **A restore at the table space level cannot be performed because the database *database* is not enabled for forward recovery.**

Explanation: You can only restore a database at the table space level if you have enabled the database for forward recovery.

User Response: To enable the database for forward recovery, set the database configuration parameters LOGRETAIN or USEREXIT to ON, disconnect all existing applications from the

database, and perform an offline backup of the database.

DBA1174I **You have chosen more than one image for the same partition. In most cases, you will not wish to do this.**

Explanation: In most scenarios, choosing more than one backup image to restore is not useful, and will actually slow down the total time to complete the restore.

User Response: Make sure only one image for each partition appears on the right hand side of the slosh bucket.

DBA1175W **This functionality requires an image for each partition.**

Explanation: Rolling forward to a point in time requires an image for each partition. You have not chosen all partitions on the Available Images page, and so cannot use this option.

User Response: Return to the Available Images page and select one image for each partition in your database.

DBA1176N **The Control Center failed to automatically catalog the Tools Catalog Database *database-name* for system *system-name*.**

Explanation: Possible explanations are:

- The database is specified incorrectly at the DB2 Administration Server for system *system-name*.
- The database manager that contains the database is not configured for TCP/IP communication.

User Response: Possible solutions include:

- Verify that the DB2 Administration Server configuration parameters are correctly specified.
- Verify that the database manager is configured for TCP/IP communications.

If the problem persists, contact IBM Support.

DBA1177N A database connection to the Tools Catalog Database *database-name* cannot be made.
SQLCODE *sqlcode*

Explanation: A database connection to the Tools Catalog Database *database-name* cannot be made.
SQLCODE *sqlcode*

User Response: Refer to the user response for the **SQLCODE** returned from the connect operation.

DBA1178W Task *task-name* was created with a more recent version of the Control Center.

Explanation: The selected task was created with a more recent version of the Control Center. Some functionality for the task are not supported by the Control Center on the local machine.

User Response: You can choose to proceed and edit the task. When saving the task, you can:

- Save the changes to the existing task. This will cause the loss of functionality that was specific to the more recent version of the Control Center.
- Save changes by creating a new task. This will not alter the original task.

DBA1179W Task *task-name* created with a more recent version of the Control Center will be overwritten.

Explanation: A task originally created with a more recent version of the Control Center will be overwritten. Proceeding with this operation will cause the loss of functionality that was specific to the more recent version of the Control Center.

User Response: You can choose to:

- Save the changes to the existing task. This will cause the loss of functionality specific to the more recent version of the Control Center.
- Save changes by creating a new task. This will not alter the original task.

DBA1180W No SQL available to display.

Explanation: Show SQL only displays the SQL statements that change the current privileges. If no privileges have been changed, no SQL statements are generated.

User Response: Resubmit the command after making changes to the current privileges.

DBA1181W The catalog partition cannot be backed up at the same time as other database partitions in an offline backup.

Explanation: In an offline backup, the catalog partition cannot be backed up at the same time as other database partitions. If you continue, the backup will fail.

User Response: Ensure that the catalog partition has not been grouped with other database partitions on the "Partitions" page of this wizard.

DBA1183N Unable to edit task *task-name*

Explanation: The selected task was created with a more recent version of the Control Center. There is no editor associated with this type of task in this version of the Control Center.

User Response: Use a newer version of the Control Center to edit this task.

DBA1350I The Design Advisor was not able to recommend any indexes. Set a longer time limit on the Calculate page and try calculating recommended objects again.

Explanation: The Design Advisor was not able to recommend any objects because the maximum search time was too short.

User Response:

1. On the Calculate page in the Design Advisor, set a longer time limit or no limit at all.
2. Try running the Design Advisor again.

DBA1351I The Design Advisor was not able to recommend any objects. Set a larger size limit on the Limits page and try calculating recommended objects again.

Explanation: The Design Advisor was not able to recommend any object because the maximum logical size of all objects was too small.

User Response:

1. On the Limits page in the Design Advisor, set a larger maximum logical size or no maximum at all.
2. Try running the Design Advisor again.

DBA1352I The Design Advisor was not able to recommend any objects that will improve the performance of your workload.

DBA1353W You specified only one SQL statement in your workload. Your database might have additional activity. Do not drop any objects unless you are sure they are not needed for other reasons.

Explanation: Since you only specified one SQL statement in your workload, it is unlikely that it represents all of the activity against your database.

The Drop page of the Design Advisor lists all existing objects that were not recommended for this one SQL statement.

User Response: Do not drop any objects unless you are sure they are not needed for other reasons.

DBA1500E The local system object is not allowed to be removed.

Explanation: The local system object appears in the tree if this is a server installation, and does not appear if this is a client installation. You have no direct control over the removal of this object because it has special properties that are required by the server installation type.

User Response: No action is required.

DBA1501E The local system object is not allowed to be changed.

Explanation: The local system object appears in the tree if this is a server installation, and does not appear if this is a client installation. You have no direct control over the changing of this object because it has special properties that are required by the server installation type.

User Response: No action is required.

DBA1502E The unknown system object is not allowed to be removed.

Explanation: The unknown system object appears in the tree only if orphaned instances that are not recognized as belonging to any existing system are found. You have no direct control over the removal of this object because it is shown automatically only when needed.

User Response: No action is required. However, if you want to remove the need to show this object in the tree, then do the following steps:

- Expand the unknown system object to show all orphaned instances.
- If necessary, add new system objects to the control center to contain the orphaned instances.
- If necessary, use the change action to alter the system name on any remaining orphaned instances.
- If the unknown instance object also appears, then you also have orphaned databases that are not recognized as belonging to any existing instance. Remove the need to show these objects by doing steps similar to these, adding instances or altering databases until no orphans are left to be shown.

DBA1503E The unknown system object is not allowed to be changed.

Explanation: The unknown system object appears in the tree only if orphaned instances that are not recognized as belonging to any existing system are found. You have no direct

control over the changing of this object because it is shown automatically only when needed and has only special properties that cannot be changed.

User Response: No action is required.

DBA1510E Specify a system name.

Explanation: You must specify a system name before you can add this new system object.

User Response: Specify a system name in the appropriate entry field, and then try the action again.

DBA1511E The specified system name is already in use. You must specify a system name that is unique.

Explanation: You specified a system name that matches the name used for another system object in the tree. System names must be unique within the control center, and are case-sensitive. You cannot use the names 'Local' or 'Unknown' because these are system names reserved for use by the local and unknown system objects. To avoid confusion, you should also try not to use the names of existing instances or databases as system names, although the tool does not prevent you from doing this.

User Response: Specify a unique system name, and then try the action again.

DBA1520W The operating system type for this system object has been detected to be *newos*, but the local information shows it to be *oldos*. Do you want to update the local information now to reflect the correct operating system type?

Explanation: When you add a new system object, you specify an operating system type, which is stored locally for that remote system. Later, when actual connections are made to the remote system, the true operating system type is reported back. It is possible for the original operating system type information to have been set incorrectly so that it does not match the true

settings on the remote system. In this case, it is best to update the local information to match what settings truly exist on the remote system.

User Response: Select Yes to update the local information now, or select No to leave the local information as it is.

DBA1521W The server version type for this system object has been detected to be *newtyp*, but the local information shows it to be *oldtyp*. Do you want to update the local information now to reflect the correct server version type?

Explanation: When you add a new system object, the server version type is automatically set to be either DB2 V5 or DRDA, depending on the operating system type you choose. Later, when actual connections are made to the remote system, the true server version type, which may be a previous release such as DB2 V2, is reported back. In this case, it is best to update the local information to match what settings truly exist on the remote system.

User Response: Select Yes to update the local information now, or select No to leave the local information as it is.

DBA1522W The operating system type and server version type for this system object have been detected to be *newos* and *newtyp* respectively, but the local information shows these to be *oldos* and *oldtyp* respectively. Do you want to update the local information now to reflect the correct settings for these values?

Explanation: When you add a new system object, you specify an operating system type, which is stored locally for that remote system. Also, the server version type is automatically set to be either DB2 V5 or DRDA, depending on the operating system type you choose. Later, when actual connections are made to the remote system, the true operating system type and server version type are reported back. The original settings for this information may have

been incorrect so that they do not match the true settings on the remote system. In this case, it is best to update the local information to match what settings truly exist on the remote system.

User Response: Select Yes to update the local information now, or select No to leave the local information as it is.

DBA1530E The specified system has not been configured to support any protocols that your local system uses.

Explanation: The specified system has been detected on the network, however the Administration Server for this remote system has not been configured to support any protocols that your local system uses.

User Response: You must configure communications on the remote system Administration Server, including the DB2COMM parameter, before you can successfully access it.

DBA1533E Unable to export the server profile.

Explanation: The target file system might not have enough disk space to complete the export operation.

User Response: Free some disk space on the target file system and retry the operation. If the problem persists, contact your DB2 system administrator.

DBA1540E The active local instance object is not allowed to be removed.

Explanation: The active local instance object appears in the tree always as the first instance under the local system object. This is a special instance object used to represent the current DB2INSTANCE environment variable setting. You have no direct control over the removal of this object because it has special properties that are required by the local system.

User Response: No action is required.

DBA1541E The active local instance object is not allowed to be changed.

Explanation: The active local instance object appears in the tree always as the first instance under the local system object. This is a special instance object used to represent the current DB2INSTANCE environment variable setting. You have no direct control over the changing of this object because it has special properties that are required by the local system.

User Response: No action is required.

DBA1550E Specify an instance name.

Explanation: You must specify an instance name before you can add this new instance object.

User Response: Specify an instance name in the appropriate entry field, and then try the action again.

DBA1551E The specified instance name is already in use. You must specify an instance name that is unique, otherwise do not specify the instance name and one will be generated for you automatically.

Explanation: You specified an instance name that either matches the name used for another instance object in the tree, or is being used by a system object in the tree. Instance names must be unique within the control center, and are always capitalized. System objects also use an automatically generated instance name to store their own protocol information, with the instance name usually being a short form of the chosen system name. You cannot use the name 'LOCAL' or the current DB2INSTANCE environment variable setting for the instance name.

User Response: Specify a different instance name, and then try the action again.

DBA1552E Specify a remote instance.

Explanation: You must specify a remote instance before you can add this new instance object.

User Response: Specify a remote instance in the appropriate entry field, and then try the action again.

DBA1560E Specify a destination name.

Explanation: You must specify a destination name for the selected protocol before you can correctly add this new object.

User Response: Specify a destination name in the appropriate entry field, and then try the action again.

DBA1561E Specify a file server.

Explanation: You must specify a file server for the selected protocol before you can correctly add this new object.

User Response: Specify a file server in the appropriate entry field, and then try the action again.

DBA1562E Specify a workstation name.

Explanation: You must specify a workstation name for the selected protocol before you can correctly add this new object.

User Response: Specify a workstation name in the appropriate entry field, and then try the action again.

DBA1563E Specify a host name.

Explanation: You must specify a host name for the selected protocol before you can correctly add this new object.

User Response: Specify a host name in the appropriate entry field, and then try the action again.

DBA1564E Specify a service name.

Explanation: You must specify a service name for the selected protocol before you can correctly add this new object.

User Response: Specify a service name in the appropriate entry field, and then try the action again.

DBA1565E Specify a computer name.

Explanation: You must specify a computer name for the selected protocol before you can correctly add this new object.

User Response: Specify a computer name in the appropriate entry field, and then try the action again.

DBA1566E Specify an instance name.

Explanation: You must specify an instance name for the selected protocol before you can correctly add this new object.

User Response: Specify an instance name in the appropriate entry field, and then try the action again.

DBA1567E This action or function is not available for this instance type or the associated system.

Explanation: The selected action, or associated function, is currently not supported for the type of instance against which the action or function was initiated. Some instance types, for example Satellite Edition, necessarily do not support full functionality.

User Response: Refer to the documentation describing available function for this instance type.

DBA1568W Database connection was established but did not establish a syncpoint two-phase connection.

Explanation: An attempt was made to connect to a database using syncpoint two-phase connection type. A connection was established

but failed to make a syncpoint two-phase connection. Multisite updates involving this database connection will not be successful.

User Response: Check that the multisite update scenario has been configured properly for your environment, ensuring that the coordinating instance is restarted after configuration is complete. If DB2's Syncpoint Manager is being used, check in the db2diag.log to see if it was started successfully.

DBA1569E The action cannot be completed on this instance because its remote instance name is not known.

Explanation: The remote instance name field is an optional parameter and was not specified. To perform this action on a remote instance, the remote instance name must be known.

User Response: Invoke the Change Instance window and specify the name of the remote instance.

DBA1570E The DB2 Administration Server for this system has not been defined.

Explanation: The current operation requires an attachment to the system's administration server but its instance name has not been specified.

User Response: Invoke the change action on the target system and specify its instance name, operating system and any other protocol parameters.

DBA1571W The name of the local system does not match the DB2SYSTEM environment variable.

Explanation: The system name of the local admin node is different from the value of the DB2SYSTEM environment variable.

User Response: There are three options:

- Change the value of the DB2SYSTEM environment variable to match the system name of the local admin node.

- Uncatalog the local admin node and invoke the Control Center, which will automatically recatalog it.
- Uncatalog the local admin node and recatalog it with a system name that matches the value of the DB2SYSTEM environment variable.

DBA1572E The instance name *instance-name* specified is not valid.

Explanation: The instance name specified is not valid. The instance name may be 1 to 8 characters and all of the characters must be from the database manager base character set. Also, the instance name must not match that of any other catalogued instance.

User Response: Specify a different value for the instance name.

DBA1573E This action is not available for the selected system.

Explanation: Some Control Center actions require that an Administration Server be available on the target system. The system that you selected does not have an Administration Server. The requested action is not available for this system.

User Response: No action is required.

DBA1580E New database objects are not allowed to be added to the unknown instance.

Explanation: The unknown instance object appears in the tree only if orphaned databases that are not recognized as belonging to any existing instance are found. The tool tries to prevent you from creating new orphans whenever possible, so you are not allowed to add new ones to the unknown instance.

User Response: No action is required.

DBA1581E Specify a database name.

Explanation: You must specify a database name before you can add this new database object.

User Response: Specify a database name in the appropriate entry field, and then try the action again.

DBA1582E Specify an alias.

Explanation: You must specify an alias before you can add this new database object.

User Response: Specify an alias in the appropriate entry field, and then try the action again.

DBA1583E The specified alias is already in use.

Explanation: You specified an alias that matches the alias used for another database object in the tree. Database aliases must be unique within the control center, and are always capitalized.

User Response: Specify a unique alias, and then try the action again.

DBA1590W The *dbase* database was created using an earlier version of DB2 than DB2 V5. Only limited function will be allowed for this database until it is migrated.

Explanation: All databases that are found under DB2 V5 type system objects are first assumed to be DB2 V5 databases. This database has now been detected to actually be a back-level database that has not yet been migrated to the DB2 V5 level. You can still access this database, but only limited function is available for back-level databases until you actually migrate them.

User Response: No action is required.

DBA2000E You have not specified a job description.

Explanation: A description for the job is required information.

User Response: Enter a job description in the entry field, and then click on OK.

DBA2001E You have not specified the number of hours for your selection.

Explanation: The number of hours for your selection is required information.

User Response: Enter a number in the hours entry field.

DBA2002E You must select at least 1 day of the week for your selection.

Explanation: To schedule a recurring job, you must specify at least one day of the week for the job.

User Response: Select at least one day of the week when scheduling a recurring job.

DBA2003E You specified a date that is not valid.

Explanation: The date you specified is not valid. Perhaps the date you have specified is in the past.

User Response: Enter a valid date.

DBA2004E You specified a date or time or combination of date and time that is not valid.

Explanation: The next execution date and time cannot be calculated, so no jobs can be scheduled. One possible error is when the time specified for a job to be run once is in the past. Remember that the date and time combination must be valid on the managed host where the schedule job is to be run.

User Response: Enter a valid date and time combination.

DBA2005E You have not specified a script name.

Explanation: A name for the script is required information.

User Response: Enter a name for the script file, and then click on OK.

DBA2006E You have not specified a comment.

Explanation: You indicated that you want to record a comment when the job is completed, but the comment entry field is empty.

User Response: Enter a comment, or clear the 'Record a comment' check box.

DBA2007E You specified a script name that is not valid.

Explanation: The command script is saved as a file in the file system. The script path is at most 255 bytes long. The file name part of the script name can be at most 8 bytes long. If an extension is specified, it cannot be longer than 3 bytes. The script name must not contain any blanks. For example, valid script names can be:

j:\script\new.cmd c:\data\test\crtdb.bat

User Response: Enter a valid script name, and then click on OK.

DBA2008I Job *job-id* was created successfully.

Explanation: A new job was scheduled successfully. You may turn to the journal job summary to view the newly created job.

User Response: To view the newly created job, turn to the journal job summary by selecting the Journal icon from the icon bar.

DBA2009E A system error occurred. A Scheduler InfoBase call was unsuccessful. RC = *return-code*. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2010E The Scheduler service is not up and running. Restart the Admin. Server, and then retry the command.

Explanation: To perform any action involving the Job Scheduler or the Script Center, the Scheduler service must be up and running.

User Response: Restart the Admin. Server, and then retry the command.

DBA2011E A system error occurred. Scheduling type (DBA or PGM) is not valid. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2012E A system error occurred. OS error was detected. RC = *return-code*. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2013E The job id was not found. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2014E A system error occurred. Unable to change the status of the job. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2015E A system error occurred. Memory allocation was unsuccessful in client. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2016E A system error occurred. Scan handle is not valid. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2017I Are you sure you want to remove the selected jobs?

Explanation: You specified to remove the selected jobs. You have the chance now to double-check the jobs that you selected to remove, and either to continue or to cancel the request.

User Response: Select YES to remove the selected jobs. Select NO to cancel the remove request.

DBA2018I Are you sure you want to remove the selected saved scripts?

Explanation: You specified to remove the selected scripts that are currently saved. You have the chance now to double-check the scripts

that you selected to remove, and either to continue or to cancel the request.

User Response: Select YES to remove the selected scripts. Select NO to cancel the remove request.

DBA2019E You have not specified the number of days for your selection.

Explanation: The number of days for your selection is required information.

User Response: Enter a number in the days entry field.

DBA2020E A system error occurred. Unable to determine script type. Command script was not executed.

Explanation:

User Response:

DBA2021I Are you sure you want to discard your changes?

Explanation: You specified to have your changes not saved in the Script Center. You have the chance now either to continue discarding your changes, or to cancel the request and resume editing.

User Response: Select YES to discard the changes. Select NO to resume editing the command script.

DBA2022I Command script *script-id* was created successfully.

Explanation: A new script was saved successfully in the Script Center. You may turn to the Script Center to view the new command script.

User Response: To view the newly saved script, turn to the Script Center by selecting the Script Center icon from the icon bar.

DBA2023E Instance *instance-name* does not exist. Command script was not executed.

Explanation: The instance name associated with the script file does not exist.

User Response: You may select "Edit" from the Script Center to update the instance name to an existing instance.

DBA2024E Command script *script-id* does not exist.

Explanation: The scheduled job cannot be executed because the script file associated with the job does not exist.

User Response:

DBA2025E A system error occurred. This problem may also be related to memory allocation on the client. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2026I Are you sure you want to remove the selected job?

Explanation: You specified to remove the selected job. You have the chance now to double-check the job that you selected to remove, and either to continue or to cancel the request.

User Response: Select YES to remove the selected job. Select NO to cancel the remove request.

DBA2027I Are you sure you want to remove the selected saved script?

Explanation: You specified to remove the selected script that is currently saved. You have the chance now to double-check the script that you selected to remove, and either to continue or to cancel the request.

User Response: Select YES to remove the selected script. Select NO to cancel the remove request.

DBA2028E You have not specified the number of weeks for your selection.

Explanation: The number of weeks for your selection is required information.

User Response: Enter a number in the weeks entry field.

DBA2029E A system error occurred. Scheduler key was not found. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2030E You did not specify a system name. Select one from the list.

Explanation: The system name is required information to process the action.

User Response: Select a system name from the drop-down list.

DBA2031I Job *job-id* was rescheduled successfully.

Explanation: A job that you requested to be rescheduled was rescheduled successfully.

User Response:

DBA2032E You have not specified a script name.

Explanation: A name for the script is required information.

User Response: Enter the script name in the entry field, and then click on OK.

DBA2033E You have not entered the command script.

Explanation: The command script is empty.

User Response: Enter the command script content, and then click on OK.

DBA2034I Command script *script-id* was updated successfully.

Explanation:

User Response:

DBA2035E A system error occurred. Unable to retrieve the command script *script-id*. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2036E A system error occurred. Unable to create the command script. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2037E A system error occurred. Unable to replace the command script *script-id*. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2038E A system error occurred. Unable to copy the command script *script-id*. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2039E You have not specified the number of months for your selection.

Explanation: The number of months for your selection is required information.

User Response: Enter a number in the months entry field.

DBA2040E You must select at least 1 day of the month for your selection.

Explanation: To schedule a recurring job, you must specify at least one date per month for the job.

User Response: Select at least one date per month when scheduling a recurring job.

DBA2041E A system error occurred. Unable to remove the command script *script-id*. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2042E A system error occurred. Unable to run the command script *script-id*. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2043I Job *job-id* was created successfully for running command script *script-id*.

Explanation:

User Response:

DBA2044E You have not specified a script description.

Explanation: A description for the script file is required information.

User Response: Enter a description for the script file, and then click on OK.

DBA2045E Command script associated with job *job-id* is system-generated. Content cannot be shown.

Explanation: The script associated with a backup or reorganize table action is not in readable format.

User Response: Select a different command script (file?) to view the content of.

DBA2046E Command script *script-id* is system-generated. Content cannot be edited.

Explanation: The script associated with a backup or reorganize table action is not in readable format.

User Response: Select a different command script file to edit.

DBA2047E A system error occurred. The script type is unknown. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2048E The file name you specified already exists. Specify a different script file name.

Explanation: The name of each script file must be unique. You specified a file name that already exists.

User Response: Specify an unique script file name.

DBA2049E A system error occurred. File access was denied.

Explanation: The application was unable to access the file in the file system.

User Response: Retry the command. If the problem persists, contact your system administrator.

DBA2050E A system error occurred. The disk is full.

Explanation: There is no more room on the disk. Processing cannot continue.

User Response: Delete unwanted files from the file system. If the problem persists, contact your system administrator.

DBA2051E A system error occurred. A hard disk error occurred.

Explanation: An internal error relating to the hard disk occurred. The application was unable to access a file.

User Response: Retry the command. If the problem persists, contact your system administrator.

DBA2052E Unable to execute the job due to logon failure. Userid = *userid*.

Explanation: The password was invalid for the given userid or the userid is invalid.

User Response: Enter a valid userid and password when prompted.

DBA2053E A system error occurred. Unable to remove job history entry.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2054E A system error occurred. Unable to run job *job-id*.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2055E Command script *script-id* has been removed from the Script Center.

Explanation:

User Response:

DBA2056I Command script *script-id* was not changed.

Explanation:

User Response:

DBA2057E A system error has occurred. The path was not valid.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2058E A line in the file is greater than *number* bytes.

Explanation: The maximum number of bytes in a line is exceeded.

User Response: Rewrite the long line into separate lines without exceeding the limit.

DBA2059E A system error occurred. There was a sharing violation.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2060E A system error occurred. Unable to copy script *script-id*.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2061I Script *script-name* was created successfully.

Explanation: A new script file with the name *script name* was created successfully.

User Response: To view the newly created script, turn to the Script Center by selecting the Script Center icon from the icon bar.

DBA2062E A system error occurred. Unable to create a new script. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2063E A system error occurred. Unable to retrieve the results of job *job-id*. Restart the Admin. Server, and then retry the command.

Explanation: An internal error occurred.

User Response: Restart the Admin. Server, and then retry the command. If the problem persists, contact your system administrator.

DBA2064E A Script Center record already exists for this script file name. Specify a different script file name.

Explanation: The name of each script file must be unique within the Script Center. You specified a file name that already exists.

User Response: Specify an unique script file name.

DBA2065E A system error occurred. The script file does not exist in the file system.

Explanation: The script file was not found in the file system. The file may have been erased.

User Response: Remove the script entry and recreate it.

DBA2067I The REORG TABLE command completed successfully.

Explanation:

User Response:

DBA2068E You have not entered the instance name.

Explanation: The name of the instance is required information.

User Response: Enter the instance name in the entry field, and then click on OK.

DBA2069W The maximum number of *number* jobs has been created. Please remove obsolete jobs.

Explanation:

User Response: Remove jobs that are no longer needed before creating another new job.

DBA2070W The maximum number of *number* scripts has been created. Please remove obsolete scripts.

Explanation:

User Response: Remove scripts that are no longer needed before creating another new script.

DBA2071W The maximum number of *number* bytes has been reached. Data shown is truncated. The complete file *file-name* can be found at the server.

Explanation: The editor cannot handle a file as large as the current one. Data shown had to be truncated.

User Response: The entire file can be viewed at the server in the indicated location.

DBA2072E The script associated with job *job-id* has been removed from the Script Center.

Explanation: The script file does not exist anymore.

User Response:

DBA2073E You have not specified a userid and password.

Explanation: A userid and password for running the job are required.

User Response: Enter a valid userid and password for running the job, and then click on OK.

DBA2074E A system error occurred. The working directory path was not valid.

Explanation: The specified working directory does not exist so it cannot be used to run the script.

User Response: Use the Browse... button to select a valid working directory path.

DBA2075I Job *job-id* has been submitted. Use the Jobs page on the Journal to view the results.

Explanation:

User Response:

DBA2076E The job terminated abnormally.

Explanation:

User Response:

DBA2077E File name *file-name* already exists in the file system.

Explanation: File name must be unique.

User Response: Specify another file name.

DBA2078E An unexpected error occurred. There is no job output.

Explanation: There is no job output from running the job.

User Response: A possible error could be an invalid file extension is used on the operating system. Recreate the script with a valid extension.

DBA2081W The file *file-name* exceeds the maximum number of bytes (*maximum-bytes*) for the Script Center. You must use an external editor to view or edit the file.

Explanation: The file is larger than the maximum size that the Script Center can display.

User Response: Use an external editor to view or edit the file.

DBA2082W The file permissions for the script do not allow Script Center to read the script with the current user ID.

Explanation: The file permissions for the script do not allow Script Center to read the script with the current user ID.

User Response: Ensure that you have set appropriate file permissions for the script.

DBA2151E The script cannot be scheduled because it was not saved.

Explanation: The script cannot be scheduled because you canceled the save action and therefore, the script was not saved in the Script Center.

User Response: Save the script and then try scheduling again.

DBA2152I The script has to be saved to the Script Center before it can be scheduled.

Explanation: Only scripts that are saved in the Script Center can be scheduled and run.

User Response: Select OK to save the script to the Script Center, or Cancel if you do not want to schedule the script.

DBA2153I File *file-name* was opened successfully.

Explanation:

User Response:

DBA2154I Script *script-name* was opened successfully.

Explanation:

User Response:

DBA2155I Do you want to overwrite file *file-name*?

Explanation: The file *file name* currently exists in the file system and the save operation will overwrite its contents.

User Response: Select OK if you want to overwrite the contents of the file, or Cancel if you do not want to alter its contents.

DBA2156I Do you want to overwrite script *script-name*?

Explanation: The script *script name* currently exists in the Script Center and the save operation will overwrite its contents.

User Response: Select OK if you want to overwrite the contents of the script, or Cancel if you do not want to alter its contents.

DBA2157I File *file-name* was updated successfully.

Explanation:

User Response:

DBA2158I File *file-name* was created successfully.

Explanation: A new file with the name *file name* was created successfully in the file system.

User Response:

DBA2171I Do you want to discard all your changes to the script, and exit from the Command Center?

Explanation: You specified to exit from the Command Center, but the changes to the current script have not yet been saved. Your changes will be lost unless you cancel your exit request.

User Response: Select Yes to discard your changes and exit from the Command Center, or select No to cancel the exit request.

DBA2172I Do you want to discard your changes to the current script, and create a new script?

User Response: Select Yes to discard your changes and to create a new script, or select No to cancel the request.

DBA2173I The Command Center is still processing a command. Try again later.

Explanation: You tried to run a script or issue a set of commands, but the Command Center cannot process your command until it has finished processing the current one.

User Response: Please wait a few moments and try the command again. To stop the current command, click on the turning gears icon on the tool bar or select "Terminate" from the Results menu on the Results page.

DBA2174E The file *file-name* specified on the command line could not be opened. Make sure that the file exists and that you have read access to the file, and then try again.

Explanation: You specified the name of a file containing a script that you want to import, but the Command Center could not access that file.

User Response: Make sure that you have entered the file name correctly on the command line, that the file exists, and that your user ID has read access to that file.

DBA2175E There is not enough memory to create the Command Center window. The application cannot continue.

Explanation: The system encountered a memory allocation problem when trying to create the Command Center window.

User Response: Make sure there is enough memory on your system to run the Command Center, and then try again.

DBA2176E The system environment did not initialize. The application cannot continue. Restart the database manager and try again, or contact your local support personnel.

Explanation: The command processor environment did not initialize properly.

User Response: Make sure you have enough disk space and then try again.

DBA2177E The system could not create an access plan because a problem relating to Visual Explain has occurred.

Explanation: Command Center has encountered a problem when trying to create an access plan.

User Response: Please refer to the help from the previous messages.

DBA2178E You need a database connection in order to create an access plan. Use the "Connect" statement to connect to a database, and then try the command again.

User Response: Establish a database connection first using the "Connect" statement, and then create an access plan for that database. To see a list of available databases, issue the command "list database directory".

DBA2179E An access plan cannot be created because the statement you used is not in the correct format or is not a query.

Explanation: The statement you used to try to create an access plan is either not in the correct format for a query or is not a query.

User Response: Check your statement for errors in query format, make necessary changes, and retry the statement. Refer to Visual Explain documentation for guidance on forming valid queries.

DBA2180I The program name "db2" before the statement will be ignored because it is not required.

Explanation: You don't need to type "db2" before a statement in the Command Center. It is only required at the operating system command prompt.

User Response: No action is required.

DBA2181I The Command Center is not available at this time. Retry this operation later.

Explanation: The JDBC server does not support multiple WEBCC Command Center sessions. The JDBC server is already busy with an existing Command Center session.

User Response: Wait until the current Command Center session is finished and retry the operation.

DBA2182N A script name following the pattern *script-name-pattern* cannot be saved because the Script Center already contains too many scripts with names that follow the same pattern. Remove old scripts that follow this pattern from the Script Center then invoke the *tool-name* again.

Explanation: There are too many automatically generated scripts with names like *script_name_pattern*.

User Response: In the Script Center, remove at least one script with a name like *script_name_pattern*, then invoke the *tool_name* again.

DBA2193W *window-name* cannot run without *program-name*. Ensure that the Database Tools subcomponent is installed.

Explanation: To invoke *window-name*, the *program-name* application must be installed on the server. By default, the Database Tools

subcomponent of the Administration and Configuration Tools component is selected during installation. The Database Tools subcomponent must be selected during installation in order for the *program-name* application to be installed.

User Response: Ensure the Database Tools subcomponent is installed. If Database Tools was not selected during the installation of the database server, you will need to run DB2 Setup again.

- 1 Stop all DB2 services.
- 2 Run DB2 Setup.
- 3 Select Custom install.
- 4 Uncheck all components except Administration and Configuration Tools.
- 5 In the details for Administration and Configuration Tools, select Database Tools.
- 6 Complete the install.
- 7 Restart all DB2 services.
- 8 Use the *window-name*.

DBA3007W Are you sure you want to delete the explained statement?

Explanation: You are about to delete the explained statement. This will delete the rows in the explain tables.

User Response: Ensure that you want to delete the explained statement.

DBA3008W Are you sure you want to delete the explained statements?

Explanation: You are about to delete the explained statements. This will delete the rows in the explain tables.

User Response: Ensure that you want to delete the explained statements.

DBA3009E A system error occurred. The Visual Explain tool could not continue processing.

Explanation: An unexpected error occurred causing the operation to stop.

User Response: Possible solutions include:

- Verify that your system has sufficient memory.
- Where appropriate, stop other programs using the system.

If the problem persists, contact your system administrator.

DBA3010E The explain snapshot has been deleted. Your request cannot be completed.

Explanation: The explain snapshot that is requested has been deleted from the explain tables.

User Response: Regenerate the snapshot.

DBA3011E This explain snapshot was created using a different version of the database manager from the Visual Explain Tool. Your request cannot be completed.

Explanation: The explain snapshot was created using a newer version or an older version of the database manager from the Visual Explain Tool. The access plan graph cannot be constructed by the Tool.

User Response: Use the same version of the database manager as the Visual Explain Tool to graph the explain snapshot.

DBA3012I String not found.

Explanation: The search string is not found in the text being displayed.

User Response: None.

DBA3013E Text is missing. You must specify the text string to be found.

Explanation: You did not specify a search string.

User Response: Specify a search string.

DBA3014E No selection is made in the list. You must select at least one entry in the list.

Explanation: You did not make a selection in the list.

User Response: Select at least one entry in the list.

DBA3015I There are no referenced columns associated with this access plan.

Explanation: There were no columns referenced in the query for the referenced table.

User Response: None.

DBA3016I There are no page fetch pairs statistics associated with this index.

Explanation: There are no page fetch pairs statistics stored in the catalog table for this index. Refer to the System Catalog Statistics section in the *Administration Guide* for more details.

User Response: None.

DBA3017I There are no referenced functions associated with this access plan.

Explanation: This access plan did not require the use of any functions.

User Response: None.

DBA3018I There are no column distribution statistics associated with this column.

Explanation: There are no column distribution statistics stored in the catalog table for this column. Refer to the System Catalog Statistics

section in the *Administration Guide* for more details.

User Response: None.

DBA3019I There are no indexes associated with this table.

Explanation: There were no indexes defined on the referenced table at the time of explain and there are no indexes currently defined in the table.

User Response: None.

DBA3020E An error occurred while a COMMIT against the database was being attempted and no SQLCODE can be returned.

Explanation: An unexpected error occurred.

User Response: Contact your system administrator.

DBA3021E An error occurred while a ROLLBACK against the database was being attempted and no SQLCODE can be returned.

Explanation: An unexpected error occurred.

User Response: Contact your system administrator.

DBA3022E The Get Database Manager Configuration API passed back a non-zero return code.

Explanation: An unexpected error occurred causing the operation to stop.

User Response: Contact your system administrator.

DBA3023E The Get Database Configuration API passed back a non-zero return code.

Explanation: An unexpected error occurred causing the operation to stop.

User Response: Contact your system administrator.

DBA3024E An error occurred while saving to the file *file*.

Explanation: Possible problems include:

- The file cannot be opened for write.
- The file name does not conform to the file system convention.

User Response: Possible solutions include:

- Change the file attribute to read write.
 - Specify the correct file name.
-

DBA3025E An error occurred while retrieving from the file *file*.

Explanation: Possible problems include:

- The file is not readable.
- The file does not exist.

User Response: Specify the correct file name.

DBA3026E No printers are installed.

Explanation: There are no printers installed on your machine.

User Response: Install a printer on your machine.

DBA3033I There are no referenced table spaces associated with this access plan.

Explanation: This access plan did not reference any database objects contained in a table space.

User Response: None.

DBA3034W The snapshot was created using code page *codepage* but is not converted to the code page of the window running the Visual Explain Tool.

Explanation: The snapshot of the access plan graph displayed was created on a code page different from the code page of the window

running the Visual Explain Tool. Code page conversion is not successful because the snapshot is too large. The access plan graph is displayed without code page conversion. You may not be able to display the current statistics when you open the statistics windows.

User Response: Change the code page of the window running the Visual Explain Tool to the same one used to create the snapshot and display the access plan graph again.

DBA3035W The snapshot was created using code page *codepage* but is not converted to the code page of the window running the Visual Explain Tool. The value of the database manager configuration parameter UDF_MEM_SZ is too small.

Explanation: The snapshot of the access plan graph displayed was created on a code page different from the code page of the window running the Visual Explain Tool. Code page conversion is not successful because the user defined function used to convert between the code pages do not have enough memory to run. The access plan graph is displayed without code page conversion. You may not be able to display the current statistics when you open the statistics windows.

User Response: Possible solutions include:

- Change the database manager configuration parameter UDF_MEM_SZ of your server to 512 and display the access plan graph again. Note that the configuration parameter may not take effect until the next time you do a **db2start** on your server.
- Change the code page of the window running the Visual Explain Tool to the same one used to create the snapshot and display the access plan graph again.

DBA3036I Explain tables have been created to process your dynamic explain request.

Explanation: One or more explain tables have been created under the current user ID. These tables will be used to store the information needed by your dynamic explain request.

User Response: None.

DBA3037E The explain snapshot has been corrupted. Your request cannot be completed.

Explanation: The explain snapshot that is requested has been corrupted in the explain tables.

User Response: Regenerate the snapshot.

DBA3038I There are no referenced buffer pools associated with this access plan.

Explanation: This access plan did not reference any database objects contained in a buffer pool.

User Response: None.

DBA3039E Explain tables cannot be found.

Explanation: Explain tables do not exist.

User Response: Create explain tables using one of the following methods:

- Use the sample command file that is provided in the EXPLAIN.DDL file. This file is located in the sqllib\misc directory. To run the command file, go to this directory and issue the **db2 -tf EXPLAIN.DDL** command.
- From the Control Center or from the Explained Statements History window, select **Explain SQL** from the menu selections. Use the Explain SQL Statement window to dynamically explain an SQL statement and automatically create the explain tables.

DBA3040E The command is specified incorrectly.

Explanation: The command has invalid syntax.

User Response: Issue the command with the **-h** option to see the correct syntax.

DBA3041E The name of the database must be between 1 and *maximum* characters long.

Explanation: The specified database name is either empty or too long.

User Response: Reissue the command with a valid database name.

DBA3042E The explainable statement text must be between 1 and *maximum* characters long.

Explanation: The specified explainable statement text is either empty or too long.

User Response: Reissue the command with valid explainable statement text.

DBA3043E The query tag cannot have more than *maximum* characters.

Explanation: The specified query tag is too long.

User Response: Reissue the command with a valid query tag.

DBA3044E The user ID cannot have more than *maximum* characters.

Explanation: The specified userid is too long.

User Response: Reissue the command with a valid userid.

DBA3045E The valid range for query number is from 0 to *maximum*.

Explanation: The specified query number is either too small or too large.

User Response: Reissue the command with a valid query number.

DBA3046E The valid values for optimization class are 0, 1, 2, 3, 5, 7 and 9.

Explanation: The specified optimization class is not one of the valid values.

User Response: Reissue the command with a valid optimization class.

DBA3047E The database *name* cannot be found.

Explanation: The database name specified in the command does not exist in the system database directory.

User Response: Reissue the command with an existing database name or catalog the database in the system database directory.

DBA3059I There is no details information associated with the selected operator *operator*.

Explanation: The details information of the selected operator is not available for the current release of the DB2 Administration Tools.

User Response: None.

DBA3060I There is no help information associated with the selected operator *operator*.

Explanation: The help information of the selected operator is not available for the current release of the DB2 Administration Tools.

User Response: None.

DBA3061I There are no column groups associated with this table.

Explanation: There were no column groups defined on the referenced table at the time of explain and there are no column groups currently defined in the table.

User Response: No response required.

DBA3062N Generate DDL cannot be performed on system tables.

Explanation: Tables with schema SYSIBM, SYSCAT, or SYSSTAT are system tables.

User Response: Perform generate DDL on non-system tables.

DBA3063N One or more system tables have been selected for Generating DDL. DDL will be generate for selected user tables only. Do you want to continue?

User Response: Tables with schema SYSIBM, SYSCAT, and SYSSTAT are system tables.

User Response: Click Yes to generate DDL for non-system tables only. Click No to abort Generate DDL operation.

DBA3064N Only the first *number* tables will be processed by db2look.

Explanation: The db2look -t option will only process *number* tables.

User Response: Move the list of selected tables to the list of available tables.

DBA3065E Snapshot cannot be processed due to a CLI error.

Explanation: A CLI error has occurred during snapshot processing. An access plan cannot be displayed.

User Response: Check the CLI configuration by issuing the following command:

```
db2 get cli cfg  
for section <db-name>
```

If LONGDATACOMPAT is set to 1, try cataloging the database with a different alias:

```
catalog db <db-name> as <db-alias-name>
```

Set LONGDATACOMPAT=0 for the database alias:

db2 update cli cfg for section <db-alias-name> using longdatacompat 0

Submit the query for EXPLAIN in the alias database.

If LONGDATACOMPAT is not set to 1, or the parameter is not being set in the CLI configuration, contact IBM Service.

DBA3066E Statement text for a snapshot contains an empty string.

Explanation: The statement text of an explain record contains an empty string. Explained statement history cannot be retrieved successfully.

User Response: Check the CLI configuration by issuing the following command:

```
db2 get cli cfg
for section <db-name>
```

If LONGDATACOMPAT is set to 1, try cataloging the database with a different alias:

```
catalog db <db-name>
as <db-alias-name>
```

Set LONGDATACOMPAT=0 for the database alias:

```
db2 update cli cfg
for section <db-alias-name> using
longdatacompat 0
```

Submit the query for EXPLAIN in the alias database.

If LONGDATACOMPAT is not set to 1, or the parameter is not being set in the CLI configuration, contact IBM Service.

DBA4000W Are you sure you want to stop monitoring?

Explanation: You have requested to stop monitoring all database objects that are currently monitored and to exit the Performance Monitor.

DBA4001I There is no monitor summary for your selection.

Explanation: You requested to show monitor activity on a level of object in which nothing is being monitored. There is no summary activity to be shown.

User Response: Retry the action when a monitor is started on a object that corresponds to the level you have selected.

DBA4002W Are you sure you want to stop monitoring *name*?

Explanation: You have requested to stop monitoring an object that is currently being monitored.

User Response: Click "Yes" to process the request or "No" to cancel it.

DBA4003I Only the default level is changed for IBM supplied monitors.

Explanation: For an IBM-supplied monitor, the only attribute that you can change is the level for which this monitor is designated as the default.

User Response:

DBA4004E Multiple selection is only allowed for the Remove action.

Explanation: You selected more than one monitor from the list of monitors. The only action you can perform on multiple objects is Remove.

User Response: Deselect all monitors except one from the list and retry the action.

DBA4005W Are you sure you want to remove the selected monitors?

Explanation: You requested to remove the selected monitors from the list.

User Response: Click "Yes" to process the

request or "No" to cancel it.

DBA4006W Are you sure you want to reset the counters?

Explanation: You requested to reset the database counters.

User Response: Click "Yes" to process the request or "No" to cancel it.

DBA4007W Are you sure you want to stop monitoring all objects in this level?

Explanation: You have requested to stop monitoring all objects in this level that are currently being monitored.

User Response: Click "Yes" to process the request or "No" to cancel it.

DBA4008W Are you sure you want to stop monitoring all partitions in this object?

Explanation: You have requested to stop monitoring all partitions in this object that are currently being monitored.

User Response: Click "Yes" to process the request or "No" to cancel it.

DBA4009I The IBM supplied monitors are being created.

Explanation: The IBM supplied monitors are being created. This may take a while.

User Response:

DBA4010E The Performance Monitor encountered a problem and cannot continue. Retry the action. If the problem persists, take a trace at the client and the server, and contact support personnel.

Explanation: Unexpected error has occurred.

User Response: Take a trace at the client and the server and contact support.

DBA4011E The program *name* is not a valid name. The program cannot be run. Check the name and retry the action.

Explanation: You have specified an invalid program name.

User Response: Specify a valid program name and retry the action.

DBA4012E The program *name* cannot be run. The currently executing thread is not allowed to execute the specified program.

Explanation: A security exception is thrown when executing the program specified. Run command works in application mode only.

User Response: Retry the action when you run Control Center as an application.

DBA4013I Database manager node *name* is down.

Explanation: From the Tools settings, node status page, you have selected to be informed about database manager node status when it is down.

User Response: Restart the database manager node to continue processing.

DBA4014I The state of database manager node *name* is unknown.

Explanation: From the Tools settings, node status page, you have selected to be informed about database manager node status when the state is unknown.

User Response:

DBA4015E *name* contains invalid input. Please re-enter the entry.

Explanation: Your entry contains invalid character.

User Response: Retry your action with new entry.

DBA4016E New monitor cannot be created. The maximum number of monitors is *number*.

Explanation: The create or save as or copy request fails. The maximum number of monitors has been reached.

User Response: Remove unused monitors and retry your action.

DBA4017E The monitoring connection cannot be established. The maximum number of monitoring connections is *number*.

Explanation: The maximum number of monitoring connections has been reached.

User Response: Retry your action later or stop any running monitoring session on your machine.

DBA4018W Your entry in *name* is too long. The maximum number of characters is *number*. Your entry is truncated.

Explanation: Your entry has exceeded the limit.

User Response:

DBA4019E Your entry in *name* is too long. The maximum number of characters is *number*. Retry your action with valid input.

Explanation: Your entry has exceeded the limit.

User Response: Retry the action with valid input.

DBA4020W You made changes to the performance monitor *name*. Do you want to save your changes?

Explanation: You made one or more changes to the performance monitor that are not yet saved, and you requested to exit from the Show Monitor window or set the running monitor a different monitor. Your changes will be lost unless you click Yes.

User Response: Click "Yes" to process the request or "No" to cancel it.

DBA4021W You made changes to the performance variable settings for *name*. Do you want to apply your changes to the next snapshot?

Explanation: You made one or more changes to the performance variable settings that are not yet saved, and you selected a different performance variable to work with. Your changes will be lost unless you click Yes.

User Response: Click "Yes" to apply the changes to the next snapshot of "No" cancel it.

DBA4023E You entered a combination of alarm and warning threshold values that is not valid for performance variable *name*. Change one or more threshold values and try again.

Explanation: The upper alarm threshold value must be greater than the upper warning threshold value and so on; that is, upper alarm threshold value > upper warning threshold value > lower warning threshold value > lower alarm threshold value. The threshold value is a float no longer than 9 digits.

User Response: Verify the threshold values and try the operation again.

DBA4024W The Summary page cannot show more than *number* columns. Turn to the Details page to see all the performance variables.

Explanation: The Summary page currently displays as many columns as it can accommodate, but some performance variables are not shown.

User Response: Turn to the Details page to see all the performance variables.

DBA4025W The *type* view cannot show more than *number* performance variables.

Explanation: The maximum number of performance variables are shown.

User Response: Remove one or more performance variables from the *type* view before adding more.

DBA4026E A non-applicable monitor has been set as default for this level.

Explanation: The monitor must include at least one performance variable for this level.

User Response: Modify the monitor to include at least one performance variable for this level.

DBA4027I Monitoring has not been started as there is nothing to monitor.

Explanation: Currently there are no databases or gateway connections to be monitored for this instance.

User Response: Catalog a database or gateway connection to start monitoring.

DBA4060E The Performance Monitor is currently active with another monitor for this instance.

Explanation: Only one monitor can be active at a time per instance. For example, if your default monitor for databases is different from your default monitor for connections, you will not be able to monitor databases and monitor (or list) connections at the same time.

User Response: In the List Monitors window, you can:

1. Find out which monitor is running and stop it so you can specify a different one.
2. Find out which monitor is running and specify it for your next monitoring action.
3. Create a monitor that contains performance variables for all levels, and then select it as your default monitor for each level.

DBA4065E The threshold value cannot be blank or contain more than 9 characters. Enter a valid threshold value.

Explanation: You entered a threshold value which is not valid or your value has been modified internally. For example, 123456789 will be modified to 123,456,789.0 which exceeds the number of characters allowed in the threshold.

User Response: Re-enter the threshold value and retry your action.

DBA4070E The JDBC server encountered a problem. The list of performance monitors could not be processed.

Explanation: An unexpected problem is encountered.

User Response: Verify that the JDBC server is up and running. If it is, take a trace at the JDBC server and then contact support personnel.

DBA4071W Some monitors are currently in use locally. The refreshed list shows local monitors only.

Explanation: The list of monitors is refreshed with local monitors only.

User Response: To show the complete list, stop the active monitors and retry the operation.

DBA4072E This monitor name already exists. Specify a unique name.

Explanation: Performance monitor names in a JDBC server must be unique regardless of the monitor's creator.

User Response: Specify a unique monitor name.

DBA4074E The JDBC server encountered a problem. The operation could not be performed.

Explanation: An unexpected problem is encountered.

User Response: Verify that the JDBC server is

up and running. If it is, take a trace at the JDBC server and then contact support personnel.

DBA4075E This performance monitor is empty so it cannot be saved. Add at least one performance variable to the monitor and retry the operation.

Explanation: Monitors need to contain at least one performance variable in order to be valid.

User Response: Add at least one performance variable to the monitor and retry the operation.

DBA4076E The action cannot be performed because you are not the creator of the monitor.

Explanation: You must own the monitor to be able to change, rename or remove it.

User Response: If you were trying to change a monitor, copy it under a different name and then change it.

DBA4079E This monitor is currently in use locally. Stop the monitor, and then remove or rename it.

Explanation: You cannot remove or rename an active monitor.

User Response: Stop the monitor before removing or renaming it.

DBA4080E This monitor is currently in use remotely. Wait till the monitor is stopped, and then remove or rename it.

Explanation: You cannot remove or rename an active monitor.

User Response: Wait till the monitor is stopped before removing or renaming it.

DBA4083E This monitor could not be found. Another user might have removed it. Stop all monitoring and then refresh your list of monitors.

Explanation: Another user might have removed the monitor that you are using.

User Response: Stop all monitoring and refresh your list of monitors.

DBA4090E Connection to the JDBC server has ended abnormally. Close the Control Center and retry the operation. If the problem persists, take a trace at the JDBC server and contact support personnel.

Explanation: An unexpected error has occurred.

User Response: Close the Control Center and retry the operation. If the problem persists, take a trace at the JDBC server and contact support personnel.

DBA4095I This function has not been implemented on this object.

Explanation: This function has been planned for a future release but is not currently implemented on this object.

User Response: None.

DBA4220I Full database restore cannot be done from a table space backup image.

Explanation: Full database restore cannot be done from a table space backup image.

User Response: None.

DBA4221I Table space selection is not allowed for the media type.

Explanation: Table space selection is not allowed for the media type.

User Response: None.

DBA4222I Table space selection is not allowed since the database is in backup pending state.

Explanation: Table space selection is not allowed since the database is in backup pending state.

User Response: None.

DBA4223I Full database required when backup image information is entered manually.

Explanation: Full database required when backup image information is entered manually.

User Response: None.

DBA4730E Performance monitoring encountered a problem while accessing the monitor server. Monitoring cannot continue. **smcode:** *Error-code*

Explanation: See the Administration Server error logs for more information.

User Response: Contact your technical service representative with the smcode.

DBA4731E A resource problem occurred on the Monitor Server. **smcode:** *Error-code*

Explanation: See the Administration Server error logs for more information.

User Response: Free up some server resource and retry the operation. If the problem persists, contact your technical service representative with the smcode.

DBA4732E A problem occurred when trying to attach to the database instance. **smcode:** *Error-code*

Explanation: See the Administration Server error logs for more information.

User Response: Retry the operation. If the problem persists, contact your technical service

representative with the smcode.

DBA4733W The monitored database instance is stopped. Restart the instance. **smcode:** *Error-code*

Explanation: See the Administration Server error logs for more information.

User Response: Restart the instance. If the problem persists, contact your technical service representative with the smcode.

DBA4734E Performance monitoring encountered a problem while accessing the monitor server. **smcode:** *Error-code*

Explanation: See the Administration Server error logs for more information.

User Response: Retry the operation. If the problem persists, contact your technical service representative with the smcode.

DBA4735E A problem occurred when trying to attach to the database instance. **smcode:** *Error-code*

Explanation: See the Administration Server error logs for more information.

User Response: Contact your technical service representative with the smcode.

DBA4736E Unable to determine the current territory code or current code page in use on the client. **smcode:** *Error-code*

Explanation: The client's territory code and code page must be sent to the server so that the data is returned in the correct code page. The Monitor Server was unable to determine the active territory code or code page.

User Response: Refer to your operating system documentation to determine how to set the territory code and active code page for your system. Retry the operation after setting the territory code and code page.

DBA4737E Unable to set the current client territory code or current code page on the server. **smcode:** *Error-code*

Explanation: The client's territory code and code page must be sent to the server so that the data is returned in the correct code page. The Monitor Server was unable to set the client's active territory code or code page on the server.

User Response: Refer to your operating system documentation to determine how to activate the client's territory code and active code page on your server's system. Retry the operation after activating the territory code and code page.

DBA4738E The Administration Server on system *name* is not started. **smcode:** *Error-code*

Explanation: The listed Administration Server on system *name* is not started.

User Response: Start the Administration Server and retry the operation.

DBA4739E The client system's code page could not be determined. The client system might not be set up correctly. **smcode:** *Error-code*

Explanation: This is a client system setup problem.

User Response: Contact IBM Service.

DBA4740E The client code page *name* is not available on instance *name*. **smcode:** *Error-code*

Explanation: The listed code page has not been installed on instance *name*.

User Response: Contact your system administrator. Your administrator should install code page *name* on instance *name*.

DBA4741E The client code page *name* is not available on instance *name*, at node *name*. **smcode:** *Error-code*

Explanation: The listed code page has not been installed on instance *name*, at node *name*.

User Response: Contact your system administrator. Your administrator should install code page *name* on instance *name* at node *name*.

DBA4742E The Administration Server *name* cannot be found. **smcode:** *Error-code*

Explanation: Possible reasons for this problem include: 1) Remote instance name is not valid. 2) Hostname is not valid.

User Response: Contact your system administrator.

DBA4743E The Administration Server *name* detected a problem. **sqlcode:** *Error-code*. **smcode:** *Error-code*

Explanation: The Administration Server *name* had an internal error.

User Response: Contact your system administrator.

DBA4744E The Control Center could not communicate with the parallel tools on instance *name* at node *name*. Try starting communications. **smcode:** *Error-code*

Explanation: Communications may not have been started.

User Response: Contact your system administrator.

DBA4745E The TCP/IP port configuration between the Control Center and its listener (db2cclst) on instance *name* at node *name* is not correct. **smcode:** *Error-code*

Explanation: The /etc/services file at node *name* might contain incorrect information.

User Response: Contact your system administrator. Your administrator should check that the port name of db2ccmsrv is entered correctly in the /etc/services file on node *name*.

DBA4746E Instance node host name *name* is not valid on instance *name*. **smcode:** *Error-code*

Explanation: The db2nodes.cfg file for instance *name* might contain incorrect information.

User Response: Contact your system administrator. Your administrator should validate the host name found in the db2nodes.cfg file for instance *name*.

DBA4747E The Performance Monitor did not receive a response from node *name* within the snapshot capture interval. **smcode:** *Error-code*

Explanation: A performance or communications problem on the listed node is preventing a response from being sent, or the snapshot capture interval is not long enough to allow each node time to respond to the request.

User Response: Contact your system administrator. Your administrator can 1) Validate the performance on the listed node. 2) Increase the snapshot capture interval to allow more time for the node to respond to the snapshot request.

DBA4748E Logical node *name* on instance *name* is not valid. **smcode:** *Error-code*

Explanation: The db2nodes.cfg file for instance *name* might contain incorrect information.

User Response: Contact your system administrator.

DBA4749E The Monitor Server on instance *name* is unable to establish communications with node *name*. **smcode:** *Error-code*

Explanation: The communications subsystem may not have been started.

User Response: Start the db2cclst process on the node specified above. If problem still persists, contact your system administrator.

DBA4750E The instance being switched to does not exist. **smcode:** *Error-code*

Explanation: See the Administration Server error logs for more information.

User Response: Contact your technical service representative with the smcode.

DBA5006E *evname* is an Event Monitor that writes to a named pipe. Event Analyzer does not support PIPE Event Monitors.

Explanation: The Event Analyzer only handles traces produced by FILE Event Monitors.

User Response: Use a FILE Event Monitor.

DBA5007E Event Monitor *event-monitor* does not exist.

Explanation: The Event Monitor names specified with the -evm option could not be found in the catalogs for the database specified with the -db option. The Event Monitor may have been dropped or you may be trying to connect to the wrong database.

User Response: Make sure that the Database alias specified with the -db is properly cataloged and that the Event Monitor has not been dropped. If the latter is the case, re-create the event monitor.

DBA5250I The number of records retrieved exceeded the limits of the window. A partial list is displayed.

Explanation: The window height required to display the retrieved objects exceeds a system limit.

User Response: You can reduce the number of objects displayed in the window by doing the following:

- If the "Include" choice is available on the "View" menu, you can specify a subset of the objects to display in the window. When you select "Include", a window appears and prompts you for a sub set of the criteria.

DBA5300E Event Analyzer invocation error.
Usage:
db2eva [- db database-alias
-evm evmon-name]

Explanation: The command parameters for the db2eva command are:

-db database-alias

specifies the database for which the Event Monitor is defined, as cataloged on the machine where the trace is analyzed.

-evm evmon-name

the Event Monitor trace tables you want to analyze. The event monitor must be defined in the database specified in the -db parameter.

If you specify the database and event monitor names, db2eva connects to the database, and issues a 'select query from sysibm.syseventmonitors' to locate the table where the Event Monitor writes its trace. The Event Monitor and related tables must not have been dropped when using this mode.

If you do not specify any parameter, a dialog box will be opened to prompt for the database alias and the event monitor name you want to analyze.

User Response: Re-issue the command with valid arguments.

DBA5311E Event Monitor invocation error.
Usage: db2emcrt database-alias

Explanation: The command parameter for the db2emcrt command is:

database-alias

specifies the database for which the event monitors are to be created or analyzed, as cataloged on the machine the db2emcrt command is invoked. database-alias overrides the database name specified in the trace.

User Response: Re-issue the command with valid arguments.

DBA5350E An error occurred while opening file *file-name*.

Explanation: The specified file could not be opened in read-only mode for an unknown cause.

User Response: Check the spelling of the directory specified by the -path option, its access authority, and that it contains a non-empty, readable trace file called 00000000.evt.

NOTE: The first trace file for an Event Monitor is always named 00000000.evt and cannot be renamed.

DBA5351E File *file-name* cannot be found.

Explanation: There is no 00000000.evt file in the directory specified by -path.

User Response: Check the spelling of the directory specified by the -path option, its access authority, and that it contains the trace file 00000000.evt.

NOTE: The first trace file for an Event Monitor is always named 00000000.evt and cannot be renamed.

DBA5352E Path *path-name* cannot be found.

Explanation: The `-path` option specifies a directory that does not exist.

User Response: Check the spelling of the directory specified by the `-path` option, its access authority, and that it contains the trace file 00000000.evt.

NOTE: The first trace file for an Event Monitor is always named 00000000.evt and cannot be renamed.

DBA5353E Access to *param-1* was denied.

Explanation: The specified file could not be opened in read-only mode. The `-path` option may be specifying a directory to which you do not have sufficient access authority.

User Response:

- Check the access authority to the directory specified by the `-path` option.
- Verify that no one has locked the specified file in exclusive mode.

DBA5354E The data cannot be read from *file-name*.

Explanation: The Event Monitor trace file contains unexpected data, or cannot be accessed.

The trace file was likely corrupted during transmission or has been removed.

User Response: Transmit your trace files from your server again. When transmitting trace files from a remote server, ensure that the transmission is done in binary mode.

DBA5355E An Event Monitor log header could not be found in *file-name*.

Explanation: The first file written to by an Event Monitor is named 00000000.evt and contains a data structure that identifies the trace characteristics. This data structure could not be read. Possible causes:

- The trace file was corrupted.

- The trace file is empty. This can happen if the Event Monitor is active but, has not flushed its buffers yet.

User Response:

- If the trace was transmitted from a remote server, retransmit, ensuring that the transmission is done in binary mode.
- If the trace file is empty, turn off the Event Monitor to force it to flush its buffer.

DBA5356E Byte order not valid in *file-name*.

Explanation: The Event Monitor log header (the first record written to a new trace) specifies whether the trace contains little-endian (e.g., OS/2) or big-endian (e.g., AIX) data. The value found in the trace file specified neither of these two supported types of data.

The trace file was likely corrupted during transmission.

User Response: Transmit your trace files from your server again. When transmitting trace files from a remote server, ensure that the transmission is done in binary mode.

DBA5357E Unexpected data was found at offset *offset-value* in file *file-name*.

Explanation: The Event Monitor trace file contains unexpected data.

The trace file was likely corrupted during transmission.

User Response: Retransmit your trace files from the server, ensuring that the transmission is done in binary mode.

DBA5358I Cannot browse local file system without an active local Administration Server.

Explanation: The file browser requires a Database Administration Server (DAS) instance to browse file systems. If this is a client installation, the DAS instance is not present and local file browsing is disabled.

User Response: For server installations, ensure

the DAS instance is started and retry the operation.

DBA5500E A system error has occurred. The Event Analyzer tool could not continue processing.

Explanation: For an unknown reason a system error has occurred when trying to initialize the application environment.

User Response: Re-issue the command.

DBA5501W Do you want to delete the event files associated with the event monitor *evname* that you are removing?

Explanation:

User Response: To delete the event files for the selected event monitor, click on OK. If you do not want to delete the event files, but still want the event monitor removed, click on NO. If you do not want to remove the event monitor, or delete the event files click on CANCEL.

DBA5502E No selection was made from the list of Event types. You must select one or more types from the list.

Explanation: When creating an event monitor, at least one Event type must be selected.

User Response: Select one or more of the Event type check boxes from the Create Event Monitor window.

DBA5503I An Event monitor *evname* has been successfully created.

Explanation: The event monitor has been successfully created and has been added to the database list of event monitors.

User Response: Click on OK to remove the message.

DBA5504W Some event monitors were not removed because their event files could not be deleted. See the messages page from the journal notebook for the list of event monitors not removed.

Explanation: Some of the selected event monitors may have been successfully removed, but others were not, because their associated event trace files could not be deleted.

This occurs when either event files are read-only, or they are being used by another active process.

User Response: See the message page of the journal notebook for the list of event monitors that were not removed. To delete the files, end the process using them and check the access authority for the files. Then select the event monitor from the list of event monitors and choose remove from the menu.

DBA5505E Maximum file size was not specified.

Explanation: If maximum file size in 4K pages is selected on the create event monitor Options window, then the maximum size of the event files must be specified.

User Response: Enter a maximum file size of between 1 and 2,147,483,647 4K pages, or you can select the No Maximum option. If the No Maximum option is selected, the maximum number of event files is 1.

DBA5506E Maximum number of files was not specified.

Explanation: If Maximum number of files is selected on the create event monitor Options window, then the maximum number of event files must be specified.

User Response: Enter a maximum number of event files of between 1 and 2,147,483,647, or you can select No Maximum option.

DBA5507E Buffer size was not specified.

Explanation: An event monitor Buffer size in 4K pages must be specified.

User Response: You must enter an event monitor buffer size of between 1 and 2,147,483,647 4K pages.

DBA5508W Do you want to delete the event files associated with the event monitors that you are removing?

User Response: To delete the event files for the selected event monitors, click on OK. If you do not want to delete the event files, but still want the event monitors removed, click on NO. If you do not want to remove the selected event monitors, or delete the event files click on CANCEL.

DBA5509E The name entered for the event monitor is not valid.

Explanation: The name entered in the event monitor Name field contains one or more characters that are not allowed. An event monitor can contain alphanumeric and must begin with a letter.

User Response: Remove from the name any characters that are not alphanumeric and make sure the name begins with a letter.

DBA5510E When trying to activate the monitor, the directory for its data files was not found.

Explanation: When activating an event monitor, the directory that was specified when the event monitor was created must exist. In order to flush its buffers, an event monitor needs an existing file and path.

User Response: Create the directory that was specified when creating the event monitor. Try to activate the event monitor again.

DBA5511E Entry *name* is not valid because the value is out of the acceptable range.

Explanation: The values for an event monitor's Maximum file size, Maximum number of files, and Buffer size must be between 1 and 2,147,483,647.

User Response: Enter a value in the entry fields that is within the given range.

DBA5512E The character *character* entered for the event monitor name is not allowed.

Explanation: A character entered in the event monitor name entry field is not a valid character for an event monitor name.

User Response: Remove from the event monitor name any characters that are not alphanumeric and make sure the name begins with a letter.

DBA5513E The dynamic link library "DB2EVA.DLL" could not be loaded successfully.

Explanation: During the initialization of the event analyzer the dll could not be loaded because the dll has been deleted or removed.

User Response: Reinstall the event analyzer by selecting the performance monitor during the installation process.

DBA5514I The event files for event monitor *evname* could not be deleted.

Explanation: The event files for the event monitor could not be deleted because the files are being used by an active process or are read-only.

User Response: To delete the files, end the process that is using them and check the access authority for the files. Select the event monitor again and choose remove from the menu.

DBA5515E The database alias name or database name *dbname* could not be found.

Explanation: The alias name that was entered on the command line has not been cataloged on this machine.

User Response: Either catalog the alias on this machine and reenter the command or re-issue the command with a valid alias name.

DBA5516W Viewing the trace for this event monitor may take some time. Do you wish to continue processing?

Explanation: The user has requested to view a large trace for an event monitor. Reading the files could take some time to complete.

User Response: If you want to continue processing the trace click on OK. If you do not wish to continue processing the trace file then click on NO.

DBA5517E The event monitor could not be started due to a reason code of *reason-code*.

Explanation: The event monitor could not be started for the reason specified by *reason-code*:

1. The event monitor path is invalid.
2. The device, where the event monitor is to be started, is not ready.
3. Attachment to the admin server failed.

User Response: To start the event monitor, make sure that the event monitor path is valid, the admin server started, and the proper authorities exist on the device. Click on OK.

If the problem persists, manually create the event monitor directory on the device and click on OK.

To create the event monitor without starting it, deselect the Start now check box and click on OK.

DBA5518E The event monitor could not be started because its output directory could not be created.

Explanation: The directory could not be created for one of the following reasons.

1. Proper authorities do not exist for creating directories on the requested file system.
2. Create event monitor does not support directory creation on non-Intel platforms.
3. Cannot create a directory of greater than 8 characters on a FAT file system.

User Response: Make sure the proper authorities exist for directory creation.

On non-Intel platforms create the event monitor output directory manually.

DBA5519I Event monitor table cannot be found in the event source database.

Explanation: The event monitor table that holds the event monitor records cannot be found in the source database specified.

User Response: Ensure that the event monitor table exists in the source database and the table name is in the SYSIBM.EVENTTABLES.

DBA5520E Event monitor control table cannot be found in the event source database.

Explanation: The event monitor control table cannot be opened.

User Response: Ensure that the event monitor control table exists in the source database and the table name is in the SYSIBM.EVENTTABLES.

DBA5521I Connection to the database is not established. The event monitor list cannot be retrieved.

Explanation: A connection to the database is not established.

User Response: Please make sure the database

manager command has been issued. If the problem persists, contact IBM Service.

DBA6001I **The replication subscription set, *subscription-set*, is in use. Please try again later.**

Explanation: The Apply program is currently processing the replication subscription and this action cannot be deactivated. Wait until the Apply program has completed its processing and retry your command.

User Response: No action is required.

DBA6002I **The replication source, *source-name-1.source-name-2*, was defined successfully. To begin capturing changes to the replication source, start the Capture program from the command line.**

Explanation: The Capture program requires a defined replication source in order to run.

User Response: Make sure the Capture program is running.

DBA6003I **The replication subscription was defined successfully. To begin replicating the subscription set, ensure that the Apply program has been started from the command line.**

Explanation: The Apply program requires a defined replication source in order to run.

User Response: Make sure the Apply program is running.

DBA6004I **The replication subscription was successfully changed.**

Explanation: This is for your information only.

User Response: No action is required.

DBA6005I **The replication sources were successfully removed.**

Explanation: This is for your information only.

User Response: No action is required.

DBA6006I **The replication source, *source-name*, could not be removed.**

Explanation: This is for your information only.

User Response: No action is required.

DBA6007I **The replication subscription, *subscription-name*, could not be removed.**

Explanation: This is for your information only.

User Response: No action is required.

DBA6008I **The replication subscriptions were successfully removed.**

Explanation: This is for your information only.

User Response: No action is required.

DBA6009I ***file-name* is locked by another action.**

Explanation: The file is currently being used by another action.

User Response: Wait until the action is completed and retry your command.

DBA6010I **The join was successfully defined.**

Explanation: This message is for your information only.

User Response: No action is required.

DBA6012I The replication source was defined successfully. To begin capturing changes to the replication source, ensure that the Capture program has been started from the command line.

Explanation: The Capture program requires a defined replication source in order to run.

User Response: Make sure the Capture program is running.

DBA6013I The replication subscription was successfully updated.

Explanation: This message is for your information only.

User Response: No action is required.

DBA6014I The replication subscription was successfully cloned.

Explanation: This message is for your information only.

User Response: No action is required.

DBA6015I The SQL statements for this action have been saved in a file for future editing and execution.

Explanation: This message is for your information only.

User Response: No action is required.

DBA6016I The SQL script file has been run successfully.

Explanation: This message is for your information only.

User Response: No action is required.

DBA6100I The Apply program will only perform full refresh copies to this set.

Explanation: This message is for your information only.

User Response: No action is required.

DBA6101E The table, *table-name-1.table-name-2*, cannot be found.

Explanation: The control table specified could not be located in the database or was accidentally dropped.

User Response: Create the control table. See the Tables Chapter for more details.

DBA6102I This action may take some time to complete. Please wait...

Explanation: This message is for your information only.

User Response: No action is required.

DBA6103E The SQL file, *file-name*, cannot be run.

Explanation: The user may have edited the SQL statement file for a replication action, such as defining a replication source, and there is an error in the SQL statement file.

User Response: Correct the error in the SQL statement file and run the file again.

DBA6104W No unique prefix character was found. The prefix character will be set to NULL.

Explanation: A prefix character is an alphabetical or numerical character used to distinguish before-image columns in the source table. If a prefix character cannot be assigned because all possible prefix characters are already in use, you will receive this warning. The change data table cannot be created.

User Response: Uncheck the before-image columns and rerun the action.

DBA6105E The field, *field-name*, requires your input.

Explanation: The user has not filled in a required field.

User Response: Specify a parameter and select OK.

DBA6106E The replication action does not currently support this database system.

Explanation: The replication action must support your database system in order to run.

User Response: Contact your IBM Service representative.

DBA6107E Please enter a different value for the field, *field-name*.

Explanation: When cloning a replication subscription, the **target server** and **Apply qualifier** fields must be different from the original **target server** and **Apply qualifier** fields.

User Response: Enter a different target server name or Apply qualifier and select **OK**.

DBA6108E The action cannot be completed due to a syntax error.

Explanation: The SQL statement contains a syntax error.

User Response: Check the SQL reference for the proper syntax. For subscription actions, check the where clause, the rows page, or the CREATE column. For define-join actions, check the CREATE VIEW statement.

DBA6109E SHOW COLUMNS action cannot be completed.

Explanation: The SHOW COLUMNS action requires that a table be selected.

User Response: Select a table from the Selected Table list box and then press the SHOW COLUMNS key.

DBA6110E The SQL file, *file-name*, cannot be opened.

Explanation: The SQL file either does not exist, is in the wrong subdirectory, or is engaged in another process.

User Response: Make sure you enter the correct file name and that the file is in the correct subdirectory. If the file is engaged in another process, terminate the process and reenter the file name.

DBA6111E The file, *file-name*, cannot be opened.

Explanation: The file either does not exist or is in the wrong subdirectory.

User Response: Make sure you enter the correct file name on the Replication page of the Tool Settings notebook.

DBA6112I You have chosen to substitute user-defined values to define replication objects in the Tool Settings notebook. Please supply these values in the file *file-name*.

Explanation: This message is for your information only.

User Response: No action is required if you have already supplied user-defined values in the file.

DBA6113E *keyword* is an invalid keyword in file *file-name*.

Explanation: The specified keyword is invalid and may be a typographical error.

User Response: Use the keywords as given in the default file "DPREPL.DFT".

DBA6114E The value for keyword *keyword* cannot be found in file *file-name*.

Explanation: The value of this keyword is required for this action to complete.

User Response: Specify a value for this keyword in the file.

DBA6115E None of the items in the column list were selected. This action cannot be completed.

Explanation: At least one item in the column list must be selected for this action to complete.

User Response: Select one or more items from the column list and press OK.

DBA6116E The value for keyword *keyword* is invalid in file *file-name*.

Explanation: The value of this keyword is either too long, an incorrect data type, or in an incorrect format.

User Response: Correct the value and invoke the action again.

DBA6117W The before-image column *column-list* was truncated to *number* bytes because the length of the original column was at the database limit before being appended to the before-image prefix *before-image-prefix*.

Explanation: The length of the column from the original source table was at the database limit. When appended to the before-image prefix, some characters at the end of the column name were truncated to fit the database limit. This new before-image column name may no longer be unique because the truncated characters may be needed to guarantee a unique name.

User Response: Uncheck the before-image column when the truncated name is not unique and rerun the action.

DBA6118W Datatypes *datatype-list* are not supported on the database *database*. The datatypes will be converted to *datatype-list* in the SQL script.

Explanation: Some datatypes from the source are not supported on the named database. However, equivalent datatypes could be found on the named database. The generated SQL

statements will use the converted datatypes in place of the unsupported datatypes.

User Response: No action is necessary if the converted datatypes are acceptable. If they are not acceptable, uncheck the target columns and rerun the action.

DBA6119W Datatypes *datatype-list* are not supported on the database *database*. The columns containing these datatypes will be excluded from the SQL script.

Explanation: Some datatypes from the source are not supported on the named database. No equivalent datatypes could be found on the named database. The generated SQL statements will exclude any columns containing the unsupported datatypes.

User Response: Contact IBM service if you would like to recommend a specific datatype be supported on the named database in the future.

DBA6120W The source table *table-name* was not defined with a primary key. Specify a primary key for the target table in the Target Columns page.

Explanation: The define subscription action could not find a qualifying primary key for the source table, therefore the define subscription could not determine an appropriate primary key for the target table.

User Response: Specify a primary key for the target table in the Target Columns page of the Advanced notebook.

DBA6121W An incompatible Java Runtime Environment has been detected. Please verify that the required level of the Java Runtime Environment has been installed.

Explanation: The installed Java runtime is not supported by the DB2 Java application.

User Response: Refer to the Control Center readme.htm for information on prerequisite Java

DBA6123E The requested action cannot be performed because the schema names of the objects exceed *number* bytes in length.

Explanation: The data replication components support schema names up to 18 bytes in length. You tried to perform a replication action against objects that have longer schema names. The action cannot be performed.

User Response: Select objects whose schema names are 18 bytes or less, and perform the action again.

DBA6124W The requested action cannot be performed on some of the objects you selected because the schema names of the objects exceed *number* bytes in length.

Explanation: The data replication components support schema names up to 18 bytes in length. You tried to perform a replication action against some objects that have longer schema names. The action will be performed only on those objects whose schema names are 18 bytes or less.

User Response: No action is required.

DBA6125W The field *field*, contains a schema name exceeding *number* bytes in length. The schema name will be truncated to *number* bytes.

Explanation: The data replication components support schema names up to 18 bytes in length. The schema name in the field exceeds 18 bytes and it will be truncated to 18 bytes.

User Response: No action is required. However, you can type a shorter schema name in the field, if you do not want the existing schema name truncated.

DBA7000E The license for *product-name* could not be removed. RC = *return-code*.

Explanation: The license could not be removed. Either the license could not be found in the nodelock file or the nodelock file could not be updated.

User Response: Check the permissions of the nodelock file and that the license exists in it.

The location of the file is platform specific:

- AIX - /var/ifor/nodelock
- Windows operating systems - \$DB2PATH/license/nodelock
- All other operating systems - /var/lum/nodelock

DBA7001E The license could not be added to the nodelock file. RC = *return-code*.

Explanation: There was an error transmitting the license file or installing the license.

User Response: Please check the permissions of the nodelock file. The location of the file is platform specific:

- AIX - /var/ifor/nodelock
- Windows operating systems - \$DB2PATH/license/nodelock
- All other operating systems - /var/lum/nodelock

Alternatively you can also add the license using the command line utility db2licm.

If the problem persists please contact IBM Service.

DBA7002E The license certificate is invalid. Please try the command again with a valid license file. RC = *return-code*.

Explanation: The license certificate contained in the file specified does not contain a valid db2 license or is in an unrecognizable format.

User Response: Please obtain a valid DB2

license certificate from your IBM representative or authorized dealer.

DBA7003W The list of current users could not be retrieved. RC = *return-code*.

Explanation: The daemon or service that tracks the users is not functioning correctly or has not been started. You must have either the concurrent user policy or registered user policy activated.

User Response: Turn on either the concurrent user policy or registered user policy and restart all the instances.

If the problem persists contact IBM Service.

DBA7004E The registered user could not be removed from the registered user list. RC = *return-code*.

Explanation: The registered user list on the server could not be updated with the changes you have requested.

User Response: Check to make sure the user exists and that this is a valid action for this product. If the problem persists contact IBM Service.

DBA7005E The registered user could not be added. RC=*return-code*.

Explanation: The registered user list on the server could not be updated with the changes you have requested.

User Response: Check to make sure the username is valid and ensure that the registered user policy is valid for this product. If the problem persists contact IBM Service.

DBA7006E The license policy could not be updated. RC = *return-code*.

Explanation: The attempt to update the license policy for this product did not succeed.

User Response: Please restart the instance and the License Server using the command db2licd

-xxx or on Window NT by using the Services Control Manager.

If the problem persists contact IBM Service

DBA7007E The statistics regarding license usage could not be retrieved. RC = *return-code*.

Explanation: Either the statistics are corrupt, there was a communication error, or no data is available. Data is generated on connects and disconnects after a policy is updated and the instances are restarted.

User Response: If the statistics are corrupt you can remove the statistics database. This will remove all previously collected statistics. The location is platform specific and depends on where the product is installed.

- UNIX - DB2 installation directory/misc/db2licst
- Windows operating systems -DB2 installation directory\license\db2licst.dat

DBA7008I The license policy will not take effect fully until the instances are restarted.

Explanation: When the instances are restarted it rereads the license configuration.

User Response: Restart the instances on the server.

DBA7009E This product *product* does not support the specified license policy. RC = *return-code*.

Explanation: The license policy specified is not available for use with this product.

User Response: Specify a valid license policy.

DBA7010E The License Center was unable to retrieve a list of products from the specified server. RC = *return-code*.

Explanation: The list of products on this server could not be obtained.

User Response: Please restart the

administration instance and the Control Center and try again. If the problem persists contact IBM Service.

DBA7011E You do not have proper authority to perform the specified action.

Explanation: The user does not have permission to perform this operation.

User Response: Please login with a userid that has the proper permissions to perform this command.

DBA7012E No statistics are available for the specified time period.

Explanation: No statistics are available for the time period that you specified.

User Response: Please enter a valid date range where statistics exist.

DBA7013E The license certificate *filename* could not be found. Please try the command again with a valid license file. RC = *return-code*.

Explanation: The file specified does not exist or cannot be read.

User Response: Please obtain a valid DB2 license certificate from your IBM representative or authorized dealer.

DBA7014E Restart the Control Center and the administration instance and try the command again.

Explanation: Restart the Control Center and the administration instance and try the command again.

User Response: If the problem persists please call IBM Service.

DBA7015E The license for DB2 OLAP Server cannot be updated. The DB2 OLAP processes are currently active.

Explanation: DB2 cannot update the license for DB2 OLAP Server while DB2 OLAP Server is running.

User Response: To update your OLAP license, please stop all OLAP processes and reinstall this DB2 license.

DBA7016E The selected system does not have any instances specified.

Explanation: A valid DB2 instance for the selected system was not found. Verify that you have properly cataloged at least one valid DB2 instance residing on the selected DB2 system.

User Response: Catalog a valid DB2 instance for the selected system, restart Control Center and try the command again.

DBA7017E No valid DB2 instances were found on the selected system.

Explanation: A valid DB2 instance for the selected system was not found. Verify that the selected systems has at least one working DB2 instance.

User Response: Create a valid DB2 instance on the selected system and try the command again.

DBA7100W The file *file-name* could not be opened. The page *page-name* in the Information Center, which corresponds to that file, will not be shown.

Explanation: The data for the Information Center is stored in a number of NDX files. The file *file-name* might be missing from the correct directory.

User Response: Ensure that the NDX files are installed on the file system.

Pages in the Information Center and their corresponding NDX files:

- Concepts - db2booksuc.ndx
- Tasks - db2tasksuc.ndx
- Reference - db2refsuc.ndx
- Troubleshooting - db2msgsuc.ndx
- Sample Programs - db2sampsuc.ndx
- Tutorials - db2webec.ndx

DBA7101E The Information Center cannot be displayed because none of the Information Center's NDX files can be opened.

Explanation: The Information Center must read at least one NDX file to display any links to DB2 information.

The data for the Information Center is stored in a number of NDX files. The files might be missing from the file system.

User Response: Ensure that the NDX files are located in the file system.

Pages in the Information Center and their corresponding NDX files:

- Concepts - db2booksuc.ndx
- Tasks - db2tasksuc.ndx
- Reference - db2refsuc.ndx
- Troubleshooting - db2msgsuc.ndx
- Sample Programs - db2sampsuc.ndx
- Tutorials - db2webec.ndx

DBA7102W The file *file-name* is not formatted properly. The following lines were ignored: *line-numbers*. Ensure that these lines are formatted correctly.

Explanation: Each line in an NDX file must be in the form of a comma-separated list. Here is an example:

```
"IBM",1,"IBM Home Page",
http://www.ibm.com
```

The format of the list is as follows:

- 1 The name of the entry as it appears in the tree or list of items in the Information Center

- 2 The number representing the category of this entry
- 3 The description that appears on the status line when this item is selected
- 4 The full Web address indicating the location of the entry

User Response: If you have edited this file, ensure that each line is formatted properly as follows:

- The name and description must start and end with double quotation marks.
- The name and description cannot contain any double quotation marks.
- Use commas as separators.
- The first entry in the file is a number corresponding to the number of entries in the file. You must update this number manually if you add or remove entries.

DBA7200E A maximum of 10 columns can be selected as input to a geocoder.

Explanation: More than 10 columns were selected as input to a geocoder.

User Response: Move column names from the **Selected columns** box to the **Available columns** box until the **Selected Columns** box lists 10 names or fewer.

DBA7201E The database is not enabled to perform Spatial Extender operations.

Explanation: The database must be enabled for Spatial Extender before you can perform Spatial Extender operations.

User Response: Right-click the database and select **Spatial Extender->Enable** from the menu.

DBA7300W Database *database-name* cannot be displayed because it does not have a valid node cataloged.

Explanation: There is no entry in the node directory corresponding to the node name

provided for the specified database in the database directory.

User Response: Ensure that there is a node catalog entry corresponding to the node at which the database was cataloged.

DBA7301W There are no instances to display in the Health Center.

Explanation: There are no entries in the node catalog and DB2INSTANCE is not set.

User Response: Catalog a node or specify the default DB2 instance on the client.

DBA7302E Alert information cannot be retrieved for instance *instance-name* or any of its objects because the instance catalog partition is down.

Explanation: The health monitor cannot be queried for alert information because the instance partition and monitor are down.

User Response: Restart the partition and try the action again.

DBA7303E Alert information cannot be retrieved for instance *instance-name* or any of its objects because the instance is down.

Explanation: The health monitor cannot be queried for alert information because the instance and monitor are down.

User Response: Restart the instance and try the action again.

DBA7304W The object that was selected *object-name* is no longer present under the current toggle filter.

Explanation: The selected object changed state on the most recent refresh of the data. Therefore, the object is no longer viewable in the navigation view on the current toggle filter selection.

User Response: Select another instance or database from the current toggle filter selection

or select a different toggle button to view other states.

DBA7405E The alert that was selected no longer exists.

Explanation: The selected alert no longer exists in the health monitor.

User Response: If the NOTIFYLEVEL setting is set to include the alert type, go to the Journal Notification Log page to see details on the alert.

DBA7306E The alert no longer exists. Do you want to close the Details dialog?

Explanation: The current details dialog is showing information on an alert that no longer exists.

User Response: Click on Yes to close the dialog, or click on No to leave the details dialog open.

DBA7307W The database manager configuration parameter value has changed since the dialog was last refreshed. Do you want to continue?

Explanation: The value for the configuration parameter was changed since this details dialog was last refreshed.

User Response: Click on Yes to apply the change and overwrite the current setting, or click on No to return to the details dialog. If you click on No, refresh the contents of the dialog to see the current setting of the configuration parameter.

DBA7308W The database configuration parameter value has changed since the dialog was last refreshed. Do you want to overwrite the current value?

Explanation: The value for the configuration parameter was changed since this details dialog was last refreshed.

User Response: Click on Yes to apply the change and overwrite the current setting, or click

on No to return to the details dialog. If you click on No, refresh the contents of the dialog to see the current setting of the configuration parameter.

DBA7309W One or both threshold setting values have changed since the dialog was last refreshed. Do you want to overwrite the current values?

Explanation: The value for the warning and/or alarm thresholds have changed since the details dialog was last refreshed.

User Response: Click on Yes to apply the change and overwrite the current setting, or click on No to return to the details dialog. If you click on No, refresh the contents of the dialog to see the current setting of the threshold values.

DBA7310I The threshold setting configuration updates have been applied.

Explanation: The threshold setting configuration updates have been applied.

User Response: No action is required.

DBA7311I The configuration parameter update has been applied.

Explanation: The configuration parameter update has been applied. It can take some time before the changes take effect.

User Response: No action is required.

DBA7312I The configuration settings have been reset to the original install default settings.

Explanation: The configuration settings have been reset to the original install default settings. These health indicator settings were used at product install time as the initial settings for the health monitor.

User Response: No action is required.

DBA7313I The configuration settings for object *object-name* have been reset to the current object default health indicator settings.

Explanation: The configuration settings for the specified object have been reset to the current object default health indicator settings. These settings are based on the global health indicator default settings for the object type of the specified object.

User Response: No action is required.

DBA7314W The updated configuration settings can be applied to existing objects. Do you want to propagate all changes to existing objects and overwrite current settings on those objects? If you select No, only the default settings will be updated.

Explanation: The new global default health indicator settings can be propagated to all existing objects that are affected based on the object type for the changed health indicators. The global settings can be updated without propagating changes to existing objects.

User Response: Click on Yes to apply the global default health indicator updates and these changes to existing objects, or click on No to apply only the global default health indicator setting updates.

DBA7315W You must provide a script location that is accessible by all partitions for the action to succeed on all partitions. Do you want to continue creating the script?

Explanation: The script being defined must be accessible to all partitions for the alert action to succeed on all partitions.

User Response: Click on Yes to continue creating the script, or click on No to return to the Script Details dialog.

DBA7316E You have chosen a start record value greater than the highest record number in the notification log. No records can be returned.

Explanation: There are fewer records in the notification log than specified as the argument for start record. No records can be displayed.

User Response: Decrease the start record number in the filter condition.

DBA7317W You have chosen an end record value greater than the highest record number in the notification log. Do you want to continue?

Explanation: The notification log has fewer records that are specified as the end record count. Log records can only be retrieved to the end of the file.

User Response: Click on Yes to retrieve all the log records up to the end of the file, or click on No to change the filter condition.

DBA3718I There are currently *number* alerts in the Health Center. For more details, launch the Health Center from the toolbar or from the beacon on the status line.

Explanation: There are current alerts to be viewed in the Health Center.

User Response: No action is required.

DBA7319E The selected instance *instance-name* has been dropped since the last refresh.

Explanation: The selected object no longer exists so alert information cannot be retrieved.

User Response: Recreate the object and re-try the action.

DBA7320E The selected database *database-name* has been dropped since the last refresh.

Explanation: The selected object no longer exists so alert information cannot be retrieved.

User Response: Recreate the object and re-try the action.

DBA7321E The object *object-name* for which this alert was generated has been dropped. The requested action cannot be completed.

Explanation: The selected object no longer exists so the action cannot be completed.

User Response: Recreate the object and re-try the action.

DBA7323I Removing the contact from the contact list does not change any configured notification settings in the Task Center or Health Monitor.

Explanation: Any notification actions using the removed contact will not be updated. These notification actions will fail.

User Response: Remove any notification actions involving the removed contact.

DBA7324I Contact *contact-name* selected for notification no longer exists. The contact has been removed from the selected list.

Explanation: Invalid contacts have been removed from the list selected for health notification.

User Response: No action required.

DBA7325W There are unsaved changes in the dialog. Do you want to discard the changes and refresh the details?

Explanation: You have chosen the refresh or reset option on this dialog. All unapplied

changes will be discarded.

User Response: Select No, if you want to retain the changes. Otherwise, select Yes to discard any unapplied changes.

DBA7326E No scheduler systems could be found. Task actions cannot be specified.

Explanation: No scheduler systems are cataloged in the admin node directory. Therefore, no tasks can be located for the Select Tasks dialog.

User Response: Ensure the DB2 Administration Server for the scheduler system is cataloged in the admin node directory.

DBA7327I The configuration parameter updates have been applied. These changes to the global object type defaults do not affect existing settings for specific database objects.

Explanation: The updated configuration settings apply only to the global default health indicator settings. If you have previously specified settings for a health indicator on a particular object, those settings will not be affected by these changes.

User Response: No action is required.

DBA7328I Evaluation has been disabled on the health indicator for the selected alert. The health indicator will not be evaluated on the Health Monitor refresh.

Explanation: The alert configuration for the health indicator of the selected alert has been updated to disable evaluating thresholds or states. This change will not be reflected in the Health Center until the next time the health monitor refreshes.

User Response: No action is required.

DBA7500N The threshold value specified is not within the threshold range.

Explanation: The threshold value specified is not valid. It has been reset to its previous value.

User Response: Specify a value within the valid range.

DBA7501N The configuration parameter value specified is not within the valid range.

Explanation: The configuration parameter value specified is not valid. It has been reset to its previous value.

User Response: Specify a value within the valid range.

DBA7502N The specified configuration parameter value is not valid.

Explanation: The configuration parameter value specified is not valid. It has been reset to its previous value.

User Response: Specify a valid configuration parameter value.

DBA7503N The specified threshold value is not valid.

Explanation: The threshold value specified is not valid. It has been reset to its previous value.

User Response: Specify a valid number.

DBA7504N An instance attachment is required to invoke Memory Visualizer.

Explanation: Memory Visualizer requires an instance attachment in order to be able to display the memory utilization and allocation.

User Response: Select or specify a version 8.1 instance or higher.

DBA7510W The action is not currently available with this version of the DB2 server. For this action, the DB2 server must be at level *db2-version*.

Explanation: The Control Center client and the DB2 Server are at different levels. The requested action is not available for the current level of the DB2 server. The DB2 server must be at level *db2-version*.

User Response: Upgrade the DB2 server to the required level.

DBA7511W The action is not currently available with this version of the database. For this action, the database must be at level *db-version*.

Explanation: The requested action is not available for the current level of the database. The database must be at level *db-version*.

User Response: Upgrade the database to the required level.

DBA7512W The action is not currently available because the required license is not found.

Explanation: The requested action is not available because the DB2 Administration Server is not started or because the license is not installed.

User Response: Ensure the DB2 Administration Server is started and that the required license is installed.

DBA7513W The action is not currently available.

Explanation: The action may not be available for the following reasons:

1. The correct license is not installed
2. The correct product is not installed.
3. The Control Center client and the DB2 Server are at different levels.

4. The DB2 Administration Server is not started.

User Response:

1. Ensure the proper license is installed.
2. Ensure the product is installed.
3. Ensure the client and the server are at the same level.
4. Ensure the DB2 Administration server is started.

DBA7514W A satellite control database could not be found for the instance *instance*.

Explanation: A satellite control database does not exist in instance *instance*, or it is not cataloged in the database directory.

User Response: To work with a satellite control database in instance *instance*, ensure that it is created and cataloged in the database directory. Or you can work with satellite control databases in other instances (if any).

DBA7515W Since the database is a down level server, new options that are not available in previous versions have been removed or disabled.

Explanation: Since you are connected to a down level server, the new options that are not available on your server version have been disabled or are no longer available.

User Response: Complete the dialog, and run the command.

DBA7516N Memory Visualizer could not find the specified data file.

Explanation: The specified file does not exist or it is an invalid Memory Visualizer data file.

User Response: Verify that the file name specified is correct.

DBA7517N Memory Visualizer could not write to the specified data file.

Explanation: Memory Visualizer could not save the data file to the specified path and file name.

User Response: Verify that the specified path exists and that the file permissions are correct.

DBA7604N No storage management snapshot for the current database partition group can be found.

Explanation: To take a storage management snapshot, from the Control Center, expand the object tree until you find the database partition group object. Right-click the database partition group object and select Manage Storage from the pop-up menu.

User Response: Choose a different option on the Redistribute Strategy page to proceed with the redistribute wizard, or close the wizard and take a storage snapshot first before continuing with the redistribute operation.

DBA7608N An error occurred when attempting to create the registry for stepwise redistribute settings for *database-name.database-partition-group-name*.

Explanation: Without the registry records the stepwise redistribute tasks will fail.

User Response: Verify your file permissions and recreate the redistribute settings registry records using the Wizard.

DBA7609W The database partition group is not partitioned.

Explanation: The current database partition group contains only one partition.

User Response: There is no need for running redistribute utility for it.

DBA7610W The table is not partitioned.

Explanation: The table is defined under a database partition group which contains only one partition.

User Response: No data distribution file is created for the given table.

DBA7611N The stepwise redistribute property type is not valid.

Explanation: The requested stepwise redistribute property entry cannot be retrieved or updated.

User Response: Enter a valid property type.

DBA7612N An error has occurred when accessing file.

Explanation: The possible reasons include:

- File format error
- Communication error
- Memory allocation error when reading from file

User Response: Fix any format errors in the file. Check the db2diag.log file for more information to help resolve the communication or memory allocation errors. Rerun the application.

DBA7613W Affected tables within the database partition group may be locked and unavailable for long periods of time.

Explanation: Redistribution can be a log-intensive activity.

User Response: It is recommended to run redistribute on a test database before running it on your production system to determine how long the redistribution will take.

To minimize the risk of running out of active log space during a redistribute, it is recommended that you perform some or all of the following actions:

- Reduce or eliminate other log-intensive database activities
- Use infinite logging
- Use stepwise redistribution as recommended by the Wizard

DBA7614W Affected tables within the database partition group may be locked and unavailable for long periods of time when redistributing multiple database partition groups.

Explanation: Redistribution can be a log-intensive activity.

User Response: It is recommended to run redistribute on a test database before running it on your production system to determine how long the redistribution will take.

To minimize the risk of running out of active log space during a redistribute, it is recommended that you perform some or all of the following actions:

- Reduce or eliminate other log-intensive database activities
- Use infinite logging
- Schedule the redistribution of each database partition group to happen at a different time to minimize contention for available log space
- Use stepwise redistribution as recommended by the Wizard

DBA7615N One or more tables required by the application are not defined with the expected definition.

Explanation: The tables the application is trying to access do not match the expected definition. This may be caused by one or more of the following problems:

- Table does not exist
- Table column definition is not the same as expected

User Response: The tables may have to be dropped and recreated with the appropriate definition. If this error is being encountered during a drop, then you can force the tables to be dropped by specifying the FORCE option in the drop command.

DBA7616N Invalid partition weight for stepwise redistribute operation.

Explanation: The value of the partition weight must be between 0 to 32767.

User Response: Enter an integer within the valid range and try again.

DBA7617N One or more input parameters do not contain valid values expected by the routine.

Explanation: This may be caused by one or more of the following problems:

- Numerical parameter is out of the expected range
- Object referenced by a parameter may no longer exist

User Response: Verify your input parameters with the routine specification, and try again.

DBA7618W Verify that all databases at instance *instance-name* are cataloged.

Explanation: When adding partitions to an instance, all temporary table spaces for all databases must be altered with new containers on the new partitions. A database must be cataloged at that instance for the Add Partition wizard to detect its temporary table spaces.

User Response: Review the list of databases on the first page of the Add Partition wizard.

If there are any databases missing:

1. Close the wizard.
2. Close the Add Partitions launchpad.
3. Add the missing databases to the databases folder in the Control Center.

If there are databases listed that do not actually exist at the instance, remove them from the databases folder in the Control Center.

DBA7619W Verify that all databases at instance *instance-name* are cataloged.

Explanation: When dropping partitions from an instance, all data in all databases needs to be moved off the affected partitions. A database must be cataloged at that instance for the Add Partition wizard to detect its database partition groups.

User Response: Review the list of databases in the Drop Database Partition from Database Partition Groups window.

If there are any databases missing:

1. Close the window.
2. Close the Drop Partitions launchpad.
3. Add the missing databases to the databases folder in the Control Center.

If there are databases listed that do not actually exist at the instance, remove them from the databases folder in the Control Center.

DBA7620N There is no partitioning key defined for the given table.

Explanation: A partitioning key is a column (or group of columns) that is used to determine the partition in which a particular row of data is stored. Tables without a partitioning key are only allowed in single-partition database partition groups. Without a partitioning key, a data distribution file cannot be generated, and data distribution analysis cannot be performed.

User Response: You can add or drop partitioning keys, using the ALTER TABLE statement. Altering the partition key can only be done to a table whose table space is associated with a single-partition database partition group.

DBA7627N Unable to load snapshot data.

Explanation: The selected snapshot no longer exists.

User Response: Select a different snapshot from the Current Snapshot list on the Storage Management toolbar.

If no other snapshot exists, you can capture a new snapshot by right clicking on a database, database partition group, or table space, and selecting the Capture Snapshot menu option.

DBA7628N Drop Partition task must start after the last data redistribution is complete. The last redistribution task is scheduled to start at *start-date start-time*.

Explanation: All data redistribution tasks must be completed before the drop partition task can run. Redistribution moves the data off the partitions that will be dropped.

User Response: Choose a new start time for the Drop Partition task or just save it to the Task Center and run it manually once all the redistribution tasks are complete.

DBA7630W The following hosts could not be found: *host-names*.

Explanation: Add Partition will fail if these host names cannot be found on the network. Host names specified must refer to existing systems at the time that this Add Partition task is scheduled to execute.

User Response: Verify that all of the listed host names are correct. Ensure that the specified host names exist when this task is scheduled to execute.

DBA7631W The instance *instance-name* will be stopped and restarted when this task is run.

Explanation: The script to be executed contains the following commands:

```
db2stop force
db2start
```

This will stop the database instance, refusing access to all connected applications. All databases in this instance will not be available while the instance restarts.

User Response: Run this task, which will restart the instance at the scheduled time, or schedule

the task to run at a different time, or save the task to the Task Center and run it later.

DBA7632N The database partitions *database-partitions* cannot be removed from the following database partition groups *partition-groups*.

Explanation: All database partition groups must have at least one database partition.

User Response: When altering a database partition group, you must keep at least one database partition in the database partition group. If you do not want any database partitions in the database partition group, you must drop that database partition group and lose any existing data.

DBA7633N The partitions *partition-names* cannot be dropped because they are catalog partitions for one or more databases.

Explanation: A catalog partition cannot be dropped without first dropping the corresponding database. On Windows systems, you cannot drop partition 0.

User Response: Select one or more other partitions to drop from the instance, or drop the databases for the catalog partition you wish to drop before trying to drop the partition.

DBA7634N The container name *container-name* is invalid.

Explanation: The container name must be a valid path if the container type is directory or file, or a valid raw device if the container type is raw device.

User Response: Redefine the container name to a valid path or raw device then attempt to change it, or add a new container and then remove the invalid one.

DBA7666W Configuration changes have been made for the previously selected database partition. Do you want to save the changes?

Explanation: Another database partition was selected, but the configuration changes to the previously selected database partition have not been saved.

User Response: Click Yes to obtain the configuration parameter values for the next database partition and save the changes that were specified for the previously selected database partition.

Click No to obtain the configuration parameter values for the next database partition and discard the changes that were specified for the previously selected database partition.

Click Cancel to go back to the configuration parameter values for the previously selected database partition.

Chapter 7. DBI Messages

This section contains the error messages which may be generated during installation and configuration of DB2 products. The messages are listed in numeric sequence.

DBI1001I Usage:

```
db2icrt [-a AuthType]
         [-p PortName]
         [-s InstType]
         [-w WordWidth]
         -u FencedID InstName
```

Explanation: An invalid argument was entered for the db2icrt command. Valid arguments for this command are:

- h | -? display the usage information.
- d turn debug mode on.
- a **AuthType**
is the authentication type (SERVER, CLIENT, or SERVER_ENCRYPT) for the instance.
- p **PortName**
is the port name or port number to be used by this instance.
- s **InstType**
is the type of instance to be created (wse, ese, or client).
- u **FencedID**
is the name of the user under which fenced UDFs and fenced stored procedures will be run. This flag is not required if only a DB2 client is installed.
- w **WordWidth**
is the width, in bits, of the instance to be created (32 or 64). (AIX, Solaris Operating Environment) You must have the requisite version of DB2 installed (32-bit or 64-bit) for this to work. The default width value is 32-bit.

InstName

is the name of the instance.

User Response: For more information about this command, please refer to the "Quick Beginnings" manual. Enter the command again as follows:

```
db2icrt [-a AuthType]
         -u FencedID InstName
```

DBI1002I Usage:

```
db2uit [-d] [-Q] [-D]
        [-q <field>]
        [-i <id>]
        [-a <action>]
        [-r <runlevels>]
        [-p <process>]
```

Explanation: An invalid argument was entered for the db2uit command. Valid arguments for this command are:

- d turn debug mode on
- q query a field given the search parameters. Without -q, this becomes an update (if -i ID is already present) or insert. Valid fields: i, r, a, p
- i ID of the entry
- r run levels
- a action to perform
- p process to launch
- Q Quiet: no output
- D Delete record

FileName
file to modify

RETURN CODES:

-q If no field matches, non-zero, zero otherwise

update/insert
If file could not be updated, non-zero, zero otherwise

User Response: For more information about this command, please refer to the Quick Beginnings manual. Try this command again.

DBI1003I Usage:

dlfmcr [-b BackupDir]
-p PortName
-g DLFMGid
DLFMAdmin

Explanation: An invalid argument was entered for the dlfmcr command. Valid arguments for this command are:

- h | -?** display the usage information.
- p** PortName is the port name or port number to be used by this instance.
- b** BackupDir is the directory to be used to create the backup of the dlfm database in.
- g DLFMGid**
is the DLFM Admin group (this group must be a secondary group of DLFMAdmin)

DLFMAdmin
is the name of the DB2 Data Links Manager Administrator.

User Response: Enter the command again as follows:

dlfmcr -p PortNum -g DLFMGid DLFMAdmin

DBI1005I Usage:

db2idrop InstName

Explanation: An incorrect argument was entered for the db2idrop command. Valid arguments for this command are:

- h | -?** display the usage information
- d** turn debug mode on.

InstName
is the name of the instance

User Response: Enter the command again as follows:

db2idrop InstName

DBI1006I Usage:

db2idrop [-f] InstName

Explanation: An incorrect argument was entered for the db2idrop command. Valid arguments for this command are:

- h | -?** display the usage information.
- d** turn debug mode on.
- f** is the force applications flag. If this flag is specified then all applications using the instance will be forced to terminate.

InstName
is the name of the instance.

User Response: Enter the command again as follows:

db2idrop [-f] InstName

DBI1007I Usage:

dlfmdrop DLFMAdmin

Explanation: An invalid argument was entered for the dlfmdrop command. Valid arguments for this command are:

- h | -?** display the usage information.

DLFMAdmin

is the name of the DB2 data Links Manager Administrator.

User Response: Enter the command again as follows:

```
dlfmdrop DLFMAdmin
```

DBI1008E Install media and AIX version mismatch.

Explanation: Installing DB2 64-bit on AIX requires different CDs for AIX version 4 and AIX version 5.

db2setup has detected that your system is running AIX version 5, but you are installing from the DB2 for AIX version 4 CD.

User Response: Insert the DB2 for AIX version 5 CD and try the installation again.

DBI1009E Install media and AIX version mismatch.

Explanation: Installing DB2 64-bit on AIX requires different CDs for AIX version 4 and AIX version 5.

db2setup has detected that your system is running AIX version 4, but you are installing from the DB2 for AIX version 5 CD.

User Response: Insert the DB2 for AIX version 4 CD and try the installation again.

DBI1011I Usage:

```
db2iupdt [-h|-?] [-d] [-k] [-s] [-D]
          [-a AuthType]
          [-w WordWidth]
          [-u FencedID]
          {-e|InstName}
```

Explanation: An incorrect argument was entered for the db2iupdt command. Valid arguments for this command are:

- h|-? display the usage information
- d turn debug mode on.

- k keep the current instance type during the update.
- s ignore existing SPM log directory
- D updates the instance to a code level that is lower than the current code level. This option is only valid in a multiple FixPak environment.

-a AuthType

is the authentication type (SERVER, CLIENT, DCS, SERVER_ENCRYPT, or DCS_ENCRYPT) for the instance. The default is SERVER.

-w WordWidth

is the width, in bits, of the instance to be created (32 or 64). (AIX, Solaris Operating Environment). Ignored if -e is specified. You must have the requisite version of DB2 installed (32-bit or 64-bit) for this to work.

-u FencedID

is the name of the user under which fenced UDFs and fenced Stored Procedures will be run. This flag is not required if only a DB2 client is installed.

- e specifies that every instance is updated.

InstName

is the name of the instance.

User Response: Enter the command again with the proper options and arguments.

DBI1012I Usage:

```
db2iupdt [-f] -u FencedID
          InstName
```

Explanation: An incorrect argument was entered for the db2iupdt command. Valid arguments for this command are:

- h|-? display the usage information
- d turn debug mode on.
- f is the force applications flag. If this flag is specified then all applications using the instance will be forced to terminate.

-u FencedID

is the name of the user under which fenced UDFs and fenced Stored Procedures will be run. This flag is not required if only a DB2 client is installed.

InstName

is the name of the instance.

User Response: Enter the command again as follows:

```
db2iupdt [-f] -u FencedID InstName
```

DBI1013I Usage:

```
dlfmupdt [-h|-?] DLFMAdmin
```

Explanation: An invalid argument was entered for the dlfmupdt command. Valid arguments for this command are:

-h|-? display the usage information.

DLFMAdmin

is the name of the DB2 Data Links Manager Administrator.

User Response: Enter the command again as follows:

```
dlfmupdt [-h|-?] DLFMAdmin
```

DBI1014E Instance migration to 32-bit is not supported.

Explanation: Migration from 64-bit to 32-bit is not supported in this version.

User Response: No actions required.

DBI1015I Usage:

```
db2imigr [-a AuthType]
          -u FencedID
          -g DFLMGid
          InstName
```

Explanation: An incorrect argument was entered. Valid arguments for this command are:

-h|-? display the usage information

-d turn debug mode on.

-a AuthType

is the authentication type (SERVER, CLIENT, or SERVER_ENCRYPT) the instance.

-u FencedID

is the name of the user under which fenced UDFs and fenced Stored Procedures will be run. This flag is not required if only a DB2 client is installed.

-g DFLMGid

needs to be specified if migration a DLFM instance version 7 or earlier

InstName

is the name of the instance.

User Response: For more information about this command, please refer to the "Quick Beginnings" manual. Enter the command again as follows:

```
db2imigr [-a AuthType]
          -u FencedID InstName
```

DBI1018I Usage:

```
db2istop [-h|-?] [-d]
          [-f] InstName
```

Explanation: An incorrect argument was entered. Valid arguments for this command are:

-h|-? display the usage information

-d turn debug mode on.

-f is the force applications flag. If this flag is specified then all applications using the instance will be forced to terminate.

InstName

is the name of the instance.

User Response: Enter the command again as follows:

```
db2istop [-h|-?] [-d] [-f] InstName
```

DBI1020I Usage:

**db2setup [-h|-?] [-d]
[-r RespFile]**

Explanation: An incorrect argument was entered. Valid arguments for this command are:

- h|-? display the usage information.
- d turn debug mode on.
- r **RespFile**
is the name of the response file which will be used to install DB2.

User Response: Enter the command again as follows:

```
db2setup [-h|-?] [-d] [-r RespFile]
```

DBI1021I Usage:

**db2imigrev [-h|-?] [-m Version]
InstName**

Explanation: An incorrect argument was entered. Valid arguments for this command are:

- h|-? display the usage information.
- d turn debug mode on.
- m specify DB2 version.

Version
is the version the instance will be migrated backward to.

InstName
is the name of the instance which will be migrated backward from version 8 to the previous version of DB2.

User Response: Enter the command again as follows:

```
db2imigrev [-h|-?] InstName
```

DBI1022I Usage:

**db2imigrev [-h|-?]
[-f] InstName**

Explanation: An incorrect argument was entered. Valid arguments for this command are:

- h|-? display the usage information
- d turn debug mode on.
- f is the force applications flag. If this flag is specified then all applications using the instance will be forced to terminate.

InstName
is the name of the instance which will be migrated backward from version 8 to a previous version of DB2.

User Response: Enter the command again as follows:

```
db2imigrev [-h|-?] [-f] InstName
```

DBI1023I Usage:

**db2ginfo [-h|-?] [-y]
[-c InstName]
[-a AuthType]
[-u FencedID]
OutputDir**

Explanation: An invalid argument was entered for the db2ginfo command. Valid arguments for this command are:

- h|-? display usage information.
- y executes script (only shows warning otherwise).

-c InstName
specify instance to test.

-a AuthType
specify authentication type (SERVER, CLIENT, or SERVER_ENCRYPT).

-u FencedID
specify fenced user ID.

OutputDir
is the directory where the output file, dbginfo.txt, will go.

User Response: Enter the command again as follows:

db2ginfo [-h|-?] [-y]
[-c InstName [-a AuthType]
[-u FencedID]] OutputDir

DBI1024I Usage:

**db2iauto [-h|-?] -on|-off
InstName**

Explanation: An incorrect argument was entered. Valid arguments for this command are:

-h|-? display the usage information

-on|-off
enables or disables autostarting of an instance.

InstName
is the name of the instance.

User Response: Enter the command again as follows:

db2iauto [-h|-?] -on|-off InstName

DBI1025I Usage:

dascrt [-d] -u ASUser

Explanation: An invalid argument was entered for the dascrt command. Valid arguments for this command are:

-d enters debug mode, for use with DB2 Service

-u ASUser
is the user the DAS will run under

User Response: For more information about this command, please refer to the Quick Beginnings manual. Enter the command again as follows:

dascrt -u ASUser

DBI1026I Usage:

dlfmfsmd [-h|-?] [-j] dlfsMntPt

Explanation: An invalid argument was entered

for the dlfmfsmd command. Valid arguments for this command are:

-h|-? display the usage information.

-j modify the named filesystem from dlfs to jfs on AIX or ufs on Solaris Operating Environment.

dlfsMntPt

Mount Point for Data Links Manager
Filter file system (including the slash: /).

User Response: Enter the command again as follows:

dlfmfsmd dlfsMntPt

DBI1027I Usage:

dasdrop [-d]

Explanation: An invalid argument was entered for the dasdrop command. Valid arguments for this command are:

-d enters debug mode, for use with DB2 Service

User Response: For more information about this command, please refer to the Quick Beginnings manual. Enter the command again as follows:

dasdrop

DBI1028I Usage:

dasupdt [-d]

Explanation: An invalid argument was entered for the dasupdt command. Valid arguments for this command are:

-d enters debug mode, for use with DB2 Service

User Response: For more information about this command, please refer to the Quick Beginnings manual. Enter the command again as follows:

dasupdt

DBI1029I **Usage:**

db2nqadm [start | stop]

Explanation: An invalid argument was entered for the db2nqadm command. Valid arguments for this command are:

start start all NetQ services and daemon
stop stop all NetQ services and daemon

You must specify one of the arguments.

User Response: Enter the command again with the proper argument.

DBI1030E **Kernel parameter *name* must be set to *value*.**

Explanation: DB2 requires certain kernel parameters to be updated.

User Response:

- Update all necessary kernel parameters as documented in the “Quick Beginnings” manual.
- Reboot the system
- Try this command again

DBI1031E **The product you selected requires either DB2 UDB Workgroup Server Edition or DB2 UDB Enterprise Server Edition installed first.**

User Response:

- Install either DB2 UDB Workgroup Server Edition or DB2 UDB Enterprise Server Edition.
- Try to install the product again.

DBI1032E **The product you selected can not be installed on AIX with a version less than 4.3**

Explanation: The DB2 product you selected requires an AIX version that is 4.3 or greater.

DBI1033E **The product you selected requires DB2 UDB Enterprise Server Edition installed first.**

User Response:

- Install either DB2 UDB Enterprise Server Edition
- Try to install the product again.

DBI1034W **Missing prerequisite package.**

Explanation: One of the following packages has been selected for installation: “<pkg-name>” Either the installed “<pkg-name>” fileset level is below “<name>” or it cannot be detected.

User Response: Ensure the “<pkg-name>” fileset is version “<name>” or higher.

Your “<pkg-name>” level will not affect the installation of DB2.

DBI1035E **Failed to mount file system**
File-System.

Explanation: An attempt to mount the specified file system has failed.

User Response: Verify that the file system is defined. Correct any errors from the mount command and try again.

DBI1036E **Failed to unmount file system**
File-System.

Explanation: An attempt to unmount the specified file system has failed.

User Response: Correct any errors from the amount command and try again.

DBI1037E **File system *File-System* does not exist.**

Explanation: The file system specified is not defined on this workstation.

User Response: Define the file system on the workstation and try again.

DBI1038E File system *File-System* cannot be modified.

User Response: Ensure that you have write permission to the system file that contains file system definition, and try again.

DBI1039W Missing prerequisite package.

Explanation: One of the following packages has been selected for installation: "<name>" However, the installed "<name>" fileset level is below "<name>"

User Response: Install the "<name>" fileset version "<name>" which is provided on the CD.

DBI1040I The translated version of following message is not available on this system.

User Response: The translated version of following message is not available on this system. Please refer to the "Installation.Notes" file in the PRODDIR/Readme/LOCALE directory, where PRODDIR is the product directory and LOCALE is the locale name. For example, the product directory is:

/usr/opt/db2_08_xx, where xx is 01 or FFn,
where n is the FixPak number
or /opt/IBM/db2/V8.x, where x is 1 or FFn,
where n is the FixPak number

DBI1041E File system *inputMntPt* cannot be converted to dlfs.

Explanation: The File-systems "/", "/var", "/usr", and "/tmp" cannot be converted to a dlfs File-system. This has been done to avoid booting problems that may arise by making these dlfs File-systems.

User Response: Run the command again specifying a different File-system.

DBI1042E Base File-system *BaseFS* cannot be changed to dlfs.

Explanation: On Aix, a File-system can be changed to dlfs only if its vfs is fsm or jfs. Dlfs is

not supported for any other vfs.

User Response: Run the command again on a jfs or fsm file system.

DBI1043E The product you selected requires DB2 Administration Client installed first.

User Response:

- Install DB2 Administration Client.
- Try to install the product again.

DBI1050E Unsupported operating system - *OS-name*, version *OS-ver*.

Explanation: Your current operating system is not supported or this version of the operating system is not supported. Refer to the "Quick Beginnings" manual.

DBI1051E You cannot execute this program as root.

Explanation: This program can only be run under a non-root user ID.

User Response: Login as an user ID other than root, and issue the command again.

DBI1052E You must be root to execute this program.

Explanation: This program can only be run under the root user ID. Special privileges are required to execute this program.

User Response: Login as root and issue the command again.

DBI1053E File system of type *fsys-type* is not supported.

Explanation: Creating the instance's home directory on this type of file system is not supported. Instance's home directory must exist either on a local file system or on a NFS mounted filesystem.

User Response: Change the home directory to a supported file system and recreate the instance.

DBI1055E The message file *file-name* cannot be found.

Explanation: The message file required by the instance commands is missing from the system; it may have been deleted or the database products may not be installed properly.

User Response: Verify that the product option containing the message file is installed correctly. If there are verification errors, reinstall the product option.

DBI1057E Required locale *locale* is not available.

Explanation: The required locale directory, /usr/lib/locale/LANG/LC_MESSAGES, does not exist, where LANG is the name of your current locale.

User Response: Verify that the specified locale has been installed correctly. Also check for the read and execute permissions are set correctly on that directory.

DBI1060E Invalid package name *pkg-name*.

Explanation: An incorrect name has been entered. The package either does not exist or the name has been entered incorrectly.

User Response: Check to see if the name of the given package exists on the distribution media. If so, examine the name to see if it has been misspelled. All package names should be in lower case.

DBI1061E A fileset or package name *pkg-name* is missing.

Explanation: An error occurred when verifying software pre-requisites. The above fileset or package must be installed before using this command.

User Response: Check to see if the name of the given package has been installed on your system.

DBI1062E A fileset or package name *pkg-name* is missing.

Explanation: The above fileset or package must be installed before using this command.

User Response: Install the fileset or package and then reissue this command.

DBI1063E PTF or patch *patch-name* is missing.

Explanation: The above PTF or patch must be installed before using this command. This PTF or patch is required to complete this command successfully.

User Response: Install the required PTF or patch and enter this command again.

DBI1065E Program *program-name* terminated prematurely.

Explanation: An error has occurred during the execution and that has caused this program to terminate prematurely.

User Response: Correct the problem and try the command again.

DBI1066E Program *program-name* terminated by request.

Explanation: This program has been terminated by the user.

User Response: Issue the same command to restart the program.

DBI1067E DB2 Product Library for locale *locale-name* is not installed.

Explanation: No compressed-tar HTML files can be found in the DB2DIR/doc/"<locale-name>"/html directory, where

DB2DIR =
/usr/opt/db2_08_xx, where xx is 01 or FPn,
where n is the FixPak number
or /opt/IBM/db2/V8.x, where x is 1 or FPn,
where n is the FixPak number

User Response: Install the DB2 Product Library for the required locale and issue this command again.

DBI1068E **There is not enough space to uncompress and un-tar all the HTML file in the directory**
dir-name.

Explanation: After uncompress and un-tar, all the HTML files cannot be saved in the above directory because the filesystem is full.

User Response: Increase the size of the filesystem or free up sufficient disk space in the filesystem. Issue the command again.

DBI1069E **Unexpected error. Function =**
fname, Return code = return-code.

Explanation: An unexpected error occurred during the execution of this program.

User Response: If the problem persists, contact IBM Support with the following information:

- Message number
- Function name
- Return code
- Problem description

DBI1070I **Program *program-name* completed successfully.**

DBI1072I **db2licm failed to update the nodelock file. Refer to the log file**
log-name **for more information.**

Explanation: db2licm failed to add the license to the nodelock file, so DB2 will run with a Try-and-Buy license until a product license is installed.

User Response: Try the command again and if it continues to fail, manually add the license key to the nodelock file. Refer to the Quick Beginnings guide for more information on licensing.

DBI1079I **Output is saved in the log file**
log-name.

Explanation: All processed and failed operations have been saved into this log file.

User Response: Do not modify this file in any way. This file is for IBM Technical Support reference.

DBI1080E **Disk full. Minimum space required in *dir-name* is KB KB, whereas only KB KB space is available.**

Explanation: There is not enough free space available in the file system or directory.

User Response: Free more disk space and retry the command.

DBI1081E **The file or directory *file-name* is missing.**

Explanation: A file or directory that is required to process this command is missing.

User Response: If the file belongs to one of the database products then verify that the product is installed correctly and reinstall the product if necessary. If the file belongs to an instance then the instance may have already been removed or it may be corrupted.

Check to see if the name of the given directory exists on your file system. If so, examine the name to see if it has been misspelled. Note that all file and directory names are case-sensitive on Unix.

DBI1082E **The file or directory *file-name* already exists.**

Explanation: A file or directory that the command needs to create already exists.

User Response: Examine the specified file or directory. If the file or directory exists as a result of a previous successful completion of the command then no action is required. Otherwise, you will need to either rename or remove the

specified file or directory before trying the command again.

DBI1083E **An attempt to remove *file-name* failed.**

Explanation: An error occurred when removing the given file or directory. This may be due to an inappropriate ownership on this given file or directory.

User Response: Adjust the file permissions or ownership of the specified file or directory and then issue the command again.

DBI1084E **An attempt to create *file-name* failed.**

Explanation: An error occurred when creating the given file or directory.

User Response: Check that there is enough space in the file system and that you have write permission for the required directory. Suggested directory permissions are `u=rwx,go=rx`.

DBI1085E **An attempt to move the file or directory *file-name* to *file-name* failed.**

Explanation: An error occurred when attempting to relocate the given file or directory. The command could not be processed successfully.

User Response: Determine why the specified file or directory could not be moved and then try the command again.

DBI1086E **An attempt to copy the file or directory *file-name* to *file-name* failed.**

Explanation: An error occurred when attempting to duplicate the given file or directory. The command could not be processed successfully.

User Response: Determine why the specified file or directory could not be copied and then try the command again.

DBI1087E **An attempt to create the link *filename* failed.**

Explanation: The given link cannot be created. It could be that the write permission on its parent directory has been turned off, or that a file or directory with the same name already exists.

User Response: Check permissions for the parent directory and restart the install process. Suggested directory permissions are `u=rwx,go=rx`.

DBI1088E **Invalid access permission detected for directory *directory*.**

Explanation: There may be several reasons for this error. It is likely that one of the following situations has occurred:

- Either the given name is not a directory, or it does not have read and execute permission.
- The given directory can be created but cannot be accessed. It could be that the permissions on any of its parent directories in its path have been set incorrectly.

User Response: Check permissions for the given directory and restart the install process. Suggested directory permissions are `u=rwx,go=rx`.

DBI1089E **Error in saving current instance related information in the *backup-dir* directory.**

Explanation: There may be several reasons for this error. It is likely that one of the following situations has occurred:

- The given directory does not have sufficient permissions or does not have the write permission.
- There is no space left on the filesystem.

User Response: Take an appropriate corrective action and issue the command again.

DBI1090E An attempt to update *parameter* in *file-name* failed.

Explanation: An error occurred while updating the given file.

User Response: Verify that all occurrences of "<parameter>" are set to "<value>" in "<file-name>".

DBI1091E An attempt to change permissions for *directory* failed.

Explanation: An error occurred when changing permissions on the given file or directory. This may be due to an inappropriate ownership on this file or directory.

User Response: Check permissions and ownership for the given directory and restart the install process. Suggested directory permissions are `u=rwx,go=rx`.

DBI1092E An attempt to change ownership for *directory* failed.

Explanation: An error occurred when changing ownership on the given file or directory. This may be due to an inappropriate ownership on this given file or directory.

User Response: Check ownership for the given directory and restart the install process.

DBI1093E An attempt to change group ownership for *directory* failed.

Explanation: An error occurred when changing group ownership on the given file or directory. This may be due to an inappropriate ownership on this file or directory.

User Response: Check ownership for the given directory and restart the install process.

DBI1094E Directory access error.

Explanation: The tool encountered an access error during an I/O operation with the directory server.

User Response: Ensure the directory server is

on-line and accessible over the LAN.

DBI1095W The file or directory *name* cannot be found.

User Response: Verify that the fileset/package providing the file/directory has been installed.

DBI1096E The file or directory *file-name* already exists.

Explanation: A file or directory that the command needs to create already exists.

User Response: Examine the specified file or directory. If you no longer need this file or directory, remove it and then run the command again. Otherwise, you will need to either rename or remove the specified file or directory before trying the command again.

DBI1097E The file or directory *file-name* does not exist.

Explanation: A file or directory that the command requires does not exist.

User Response: If the file or directory does not exist, you may have to install the software that provides the file/directory. If the file or directory does exist, check to see that the PATH variable has been set properly. Once the file or directory is there in your PATH, try the command again.

DBI1100E An instance lock is found. Another instance management command is running.

Explanation: The command failed because another instance management command (eg. `db2icrt`, `db2idrop`, `db2iupdt`, or `db2imigr`) is running. The instance management commands acquire an exclusive lock to avoid conflicting simultaneous commands against the same instance.

User Response: Wait for all other occurrences of the instance commands to finish executing before trying the command again. If no other instance commands are running then delete the file

“instance.lock” in one of the following directories:

/usr/opt/db2_08_xx, where xx is 01 or FPn, where n is the FixPak number
or /opt/IBM/db2/V8.x, where x is 1 or FPn, where n is the FixPak number

DBI1101E The instance name is invalid.

Explanation: Instance name must be the login name of an existing user and cannot:

1. be more than 8 characters long.
2. start with “sql”, “ibm” or “sys”.
3. start with a numeral or contain characters other than a-z, \$, #, @, _ or 0-9.

User Response: Try the command again with a valid instance name.

DBI1103E The Administration Server already exists.

Explanation: The system detects that the Administration Server has already been created on your system. You can only create one Administration Server on each system.

User Response: If you want to re-create the Administration Server, you have to drop the Administration Server first before re-creating it.

DBI1104E The Administration Server cannot be dropped.

Explanation: An attempt to drop the Administration Server failed. The system detects that the Administration Server does not exist.

User Response: No action required.

DBI1105E The DB2 Data Links Manager Administrator already exists.

Explanation: The system detects that the DB2 Data Links Manager Administrator has already been created on your system. You can only create one DB2 Data Links Manager Administrator on each system.

User Response: If you want to re-create the

DB2 Data Links Manager Administrator, you have to drop the DB2 Data Links Manager Administrator first before re-creating it.

DBI1106E The DB2 Data Links Manager Administrator cannot be dropped.

Explanation: An attempt to drop the DB2 Data Links Manager Administrator failed. The system detects that the DB2 Data Links Manager Administrator does not exist or has been created under a different user ID.

User Response: Verify that the name of the DB2 Data Links Manager Administrator as reported by the “dlfmlist” command is correct and try again.

DBI1107E The DB2 Data Links Manager Administrator cannot be created.

Explanation: Creating a DB2 Data Links Manager Administrator using DCE requires DFS on your system to be of version 3.1 or higher.

DBI1108E Valid group name or number not specified.

Explanation: While migrating a dlfm instance, -g DLFMGid must be specified if instance being migrated is DB2 v7 or earlier.

DLFMGid can be a numeric group id or a group name. This group must be a secondary group of DLFMAdmin

User Response: If migrating a V8 or later dlfm instance, if -g DLFMGid is specified which is not the same as the DLFMGid already set up for the instance, the specified parameter will be ignored and the old Gid will be used.

DBI1109E The kernel parameters must be updated before using this command.

Explanation: Some of the kernel parameters are not configured properly.

User Response:

- Update all necessary kernel parameters as documented in the “Quick Beginnings” manual.
- Reboot the system
- Try this command again

DBI1111E The FencedID parameter must be specified using -u flag with this command.

Explanation: The FencedID parameter must be specified with this command. The FencedID parameter is set to the name of the user under which fenced User Defined Functions (UDFs) and fenced Stored Procedures will be run.

User Response: Enter the command again adding the arguments “-u FencedID” where FencedID is the name of the user that you want your fenced UDFs or fenced Stored Procedures to run under.

For security reasons it is recommended that you do not use the instance name as the FencedID. However, if you are not planning to use fenced User Defined Functions (UDFs) or fenced Stored Procedures then setting the FencedID to the instance name may save you the step of having to create another user for the FencedID.

DBI1112E The FencedID parameter *fenced-id* is not valid.

Explanation: The FencedID parameter which specifies the user name under which fenced User Defined Functions and fenced Stored Procedures will be run:

- Must be the login name of an existing user.
- Cannot be set to the root or the bin user.

User Response: Try the command again with a valid FencedID parameter.

DBI1113W Previous value of FencedID parameter *old-value* is different. New value *new-value* is ignored.

Explanation: The FencedID parameter entered on the command line is different from the one

used before for this userid. New value for this parameter is ignored.

DBI1115E Invalid AuthType parameter *auth-type* specified with -a flag.

Explanation: The AuthType parameter which specifies the authentication type used for the instance is not valid. Valid authentication types are:

- SERVER
- CLIENT
- SERVER_ENCRYPT

User Response: Try the command again with a valid AuthType parameter.

DBI1120E Instance *inst-name* cannot be dropped.

Explanation: An attempt was made to drop an instance which may still be active.

DBI1121E Cannot drop the Administration Server using “db2idrop”.

Explanation: An attempt was made to drop the Administration Server using “db2idrop”. This operation is not allowed since it will cause the registry to be in an inconsistent state.

User Response: Use the “dasidrop” command to remove the Administration Server.

DBI1122E Instance *inst-name* cannot be updated.

Explanation: An attempt was made to update an instance. This instance cannot be updated because:

- This “db2iupdt” command cannot be used to update this instance.
- The instance is still active.

User Response: Ensure that you are using the correct version of the “db2iupdt” command. Also ensure that there are no db2 processes running at the instance. Retry the command.

DBI1123E **Cannot update the Administration Server using “db2iupdt”.**

Explanation: An attempt was made to update the Administration Server using “db2iupdt”. This operation is not allowed since it will cause the registry to be in an inconsistent state.

User Response: Use the “dasiupdt” command to update the Administration Server.

DBI1124E **Instance *inst-name* cannot be migrated.**

Explanation: An attempt was made to migrate an instance. This instance cannot be migrated because:

- The instance is still active.
- Migration of this instance is not supported
- This version of the “db2imigr” command cannot be used to migrate this instance.

User Response: Ensure that instance is ready for migration and you are using the correct version of the “db2imigr” command. For more information on instance migration, please refer to the “Quick Beginnings” manual.

DBI1125E **Cannot drop the DB2 Data Links Manager Administrator using “db2idrop”.**

Explanation: An attempt was made to drop the DB2 Data Links Manager Administrator using “db2idrop”. This operation is not allowed since it will cause the registry to be in an inconsistent state.

User Response: Use the “dlfmdrop” command to remove the DB2 Data Links Manager Administrator.

DBI1126W **One or more views may affect database migration.**

Explanation: DB2 has detected some views that are dependent on database entity that has changed. This may cause database migration to fail. Please consult the Release.Notes for user response.

DBI1128E **Cannot drop the Administration Server using “dlfmdrop”.**

Explanation: An attempt was made to drop the Administration Server using “dlfmdrop”. This operation is not allowed since it will cause the registry to be in an inconsistent state.

User Response: Use the “dasidrop” command to remove the Administration Server.

DBI1129E **Cannot update the Administration Server using “dlfmupdt”.**

Explanation: An attempt was made to update the Administration Server using “dlfmupdt”. This operation is not allowed since it will cause the registry to be in an inconsistent state.

User Response: Use the “dasiupdt” command to update the Administration Server.

DBI1131E **The user ID *user-id* is invalid.**

Explanation: An attempt to access the given user ID failed. One of the following situations has occurred:

- This user ID does not exist on the system.
- The home directory of this user is not set up properly.
- One of the user attributes needed by DB2 is unset.
- The UID of this user is 0

User Response: Make sure a valid user ID with valid home directory, shell, primary group and secondary group has been used. Create a new user if necessary.

DBI1135E **The primary group *group-name* of user ID *user-id* is invalid.**

Explanation: The primary group name of the instance user ID cannot:

1. be one of “guests”, “admins”, “users” or “local”.
2. start with “sql” or “ibm”.
3. start with a numeral or contain characters other than a-z, \$, #, @, or 0-9.

User Response: Change the primary group of the instance user ID to a group with a valid name and then try the command again.

DBI1136W OLAP Start Kit not installed.

Explanation: The instance you are migrating has OLAP functionality. OLAP Starter Kit is not available in DB2 V8. The instance will be migrated only if the -F parameter was specified.

User Response: If program aborts, rerun the same db2imigr command with the -F parameter to force migration. OLAP functionality will not be present.

DBI1137W Server Product not installed.

Explanation: The instance you are migrating is a Server instance. A DB2 V8 Server Product has not been detected. The instance will be migrated only if the -F parameter was specified.

User Response: If program aborts, rerun the same db2imigr command with the -F parameter to force migration. DB2 Server functionality will not be present. You must install a DB2 Server Product and manually run db2iupdt on the instance you are migrating to reenale Server functionality.

DBI1138W Query Patroller not installed.

Explanation: The instance you are migrating has Query Patroller functionality. Query Patroller not detected in installed DB2 V8. The instance will be migrated only if the -F parameter was specified.

User Response: If program aborts, rerun the same db2imigr command with the -F parameter to force migration. Query Patroller will not be present. You must install Query Patroller for V8 and manually run dqpcrt on the instance you are migrating to reenale Query Patroller functionality.

DBI1139E Data-Links File Manager is not installed.

Explanation: The instance you are migrating has Data-Links functionality. Data-Links File Manager not detected in installed DB2 V8. The instance will not be migrated.

User Response: Please install Data-Links File Manager for DB2 V8 and try the same command again.

DBI1140W Command is being Forced. You have specified the -F flag to force the issued command past the point of failures mentioned in the above warning(s).

DBI1141E Visual Warehouse 3.1 instance detected. Visual Warehouse 3.1 instance migration to V8 is not supported. Only Visual Warehouse 5.2 and above can be migrated to V8.

DBI1142W Visual Warehouse 5.2 instance detected. Instance will be migrated but warehouse metadata will not be migrated.

DBI1143W Relational Connect is not installed.

Explanation: Relational Connect was not detected in the version you are migrating to, but a setting file for DB2 and/or non-DB2 datasources was detected for the instance you are migrating. This configuration will be migrated but Relational Connect for DB2 V8 has to be installed to make use of these configuration parameters.

User Response: Install Relational Connect for DB2 V8 to make use of the configuration parameters.

DBI1144E Relational Connect is not installed.

Explanation: Relational Connect was not detected in the version you are migrating to but environment variables have been found that indicate that you have non-DB2 data sources. This instance cannot be migrated if Relational Connect is not installed.

User Response: Please install Relational Connect and try the command again.

DBI1145W An existing Sync Point Manager (SPM) log directory was found.

Explanation: An existing Sync Point Manager (SPM) log directory was found. This new version of the SPM cannot process the old version of the log. You must verify that there are no indoubt transactions prior to using this new version of the SPM.

User Response:

- If you are not concerned with indoubt transactions, you may continue with instance update by re-issuing the db2iupdt command with the `-s` flag. This will create a copy of the sqllib/spmlog directory under sqllib/spmlog50.
- If you are concerned about the existence of indoubt transactions, you need to bring the DB2 product back to the previous version, and then follow the instructions in the product readme regarding indoubt transactions.

DBI1170E The -w flag only accepts 64 or 32 as possible input.

Explanation: When using the db2icrt or db2iupdt command, you can only specify a value of 32 or 64 for the optional flag `-w`. You specify `-w 64` for db2icrt when creating a 64 bit instance. You can also specify `-w 64` for db2iupdt when updating a 32 bit instance to become a 64 bit. The `-w` flag is not needed otherwise.

User Response: Re-issue the command with the proper argument.

DBI1171E DB2 64-bit support is not installed.

Explanation: 64-bit instances are not supported or implicit on this platform.

User Response:

- For Linux IA64, reissue the command without the `-w` option to create a 64-bit instance.
- For other platforms, reissue the command without the `-w 64` option to create a 32-bit instance.

DBI1172W While attempting to create or update a 64-bit instance, it was detected that the installed level of one or both of bos.rte.libc and bos.adt.prof is lower than the minimum requirement for 64-bit instances.

Explanation: The installed level of one or both of bos.rte.libc and bos.adt.prof is lower than 4.3.3.50, the minimum required level for supporting 64-bit instances.

User Response: Before proceeding, download one or both of the following PTFs and update your system.

- For bos.rte.libc, the PTF is U473728.bff
- For bos.adt.prof, the PTF is U473581.bff

Information on downloading PTFs is available from <http://www.ibm.com/aix>.

You can reissue the command with a `-F` parameter to force execution past the point of warning.

DBI1173W db2iupdt has updated this instance to a 64-bit non-server instance.

Explanation: You can only update a 32-bit Workgroup server instance to a 64-bit server instance if you have Enterprise Server Edition installed.

User Response: If you do not wish to update to a server instance, you can continue to use the

updated instance. If you wish to change this instance back to a 32-bit Workgroup server instance, run the following command:

```
db2iupdt -w 32 <instance-name>
```

DBI1174E db2icrt/db2imgr has created a 64-bit non-server instance.

Explanation: You cannot create or migrate to a 64-bit Workgroup server instance. If you wish to run a 64-bit server instance, you must have the Enterprise Server Edition installed.

User Response: If you do not require a server instance, you may continue to use the created/migrated instance. If you wish to use a 64-bit server instance then you should install DB2 V8 Enterprise Server Edition, and run the following command:

```
db2iupdt -w 64 <instance-name>
```

DBI1175W While attempting to create or update a 64-bit instance, it was detected that the installed level of the Solaris Operating Environment is lower than the minimum requirement for 64-bit.

Explanation: The installed level of the Solaris Operating Environment is lower than 5.7, the minimum required level for supporting 64-bit instances.

User Response: Before proceeding, update your system to the minimum required level of the Solaris Operating Environment.

You can reissue the command with a `-F` parameter to force execution past the point of warning.

DBI1176I Usage:

```
installAltFixPak [-h] [-s]
```

Explanation: An incorrect argument was specified. Valid argument for this command are:

- h** display the usage information
- s** install the exact same filesets/packages to the alternate path (for supported

products) as those installed in
`/usr/opt/db2_08_01` or
`/opt/IBM/db2/V8.1`.

If `installAltFixPak` detects that DB2 is not installed in `/usr/opt/db2_08_01` or `/opt/IBM/db2/V8.1`, the `-s` option will not be used. In that case, it will call the `db2_install` utility.

User Response: Enter the command again as follows:

```
installAltFixPak [-h] [-s]
```

DBI1177W Updating an instance to a code level that is lower than the current level used by the instance.

Explanation: An attempt has been made to update an instance to a code level that is lower than the one being used by the instance currently.

User Response: To update an instance to a code level that is lower than the current level, issue the `db2iupdt` command with the `-D` option as follows:

```
db2iupdt -D <instance-name>
```

DBI1181E DB2 64-bit support is not installed.

Explanation: 64-bit instances are not supported on this platform.

User Response: Before proceeding, either

- update your system to the minimum required level to run 64-bit DB2, and reissue the command again, or
- drop the instance you are migrating or updating, and recreate it as a 32-bit instance.

DBI1182W Warehouse Manager Connectors not installed.

Explanation: The instance you are migrating has Warehouse Manager Connectors functionality. Warehouse Manager Connectors

was not detected in installed DB2 V8. The instance will be migrated only if the -F parameter was specified.

User Response: Rerun the db2imigr command with the -F parameter to force migration. Warehouse Manager Connectors will not be present. You must install Warehouse Manager Connectors for V8 and manually run db2iupdt on the instance you are migrating in order to re-enable Warehouse Manager Connectors functionality.

DBI1183W Spatial Extender not installed.

Explanation: The instance you are migrating has Spatial Extender functionality. Spatial Extender was not detected in installed DB2 V8. The instance will be migrated only if the -F parameter was specified.

User Response: Rerun the db2imigr command with the -F parameter to force migration. Spatial Extender will not be present. You must install Spatial Extender for V8 and manually run db2iupdt on the instance you are migrating in order to re-enable Spatial Extender functionality.

DBI1184W Life Sciences Data Connect not installed.

Explanation: The instance you are migrating has Life Sciences Data Connect functionality. Life Sciences Data Connect was not detected in installed DB2 V8. The instance will be migrated only if the -F parameter was specified.

User Response: Rerun the db2imigr command with the -F parameter to force migration. Life Sciences Data Connect will not be present. You must install Life Sciences Data Connect for V8 and manually run db2iupdt on the instance you are migrating in order to re-enable Life Sciences Data Connect functionality.

DBI1185I Server protocol *protocol* is no longer supported. It has been removed from DB2COMM.

DBI1186I Usage:

db2cdbcr [-d] -n CDBName

Explanation: An incorrect argument was entered for the db2cdbcr command. Valid arguments for this command are:

-h|-? display the usage information

-d turn debug mode on.

-n CDBName

CDBName is the name of the Warehouse Control Database you want to create.

User Response: Enter the command again as follows:

db2cdbcr -n CDBName

DBI1187E Unable to complete DB2 Warehouse Control Database setup.

Explanation: An attempt to create the DB2 Warehouse Control Database has failed.

User Response: A nodegroup (created on node 0) and a tablespace (both called FLG32K) needs to be created as well. See DB2 DataWarehouse documentation for details.

DBI1190I db2setup is preparing the DB2 Setup Wizard which will guide you through the program setup process. Please wait.

DBI1191I db2setup is installing and configuring DB2 according to the response file provided. Please wait.

DBI1200E The directory *directory-name* is not a version *version-number* instance.

Explanation: The command cannot proceed because the specified directory does not point to the required version of the database products.

User Response: The command cannot be run with the specified instance.

DBI1202E Migration of instance *inst-name* is not supported.

Explanation: The instance cannot be migrated because:

1. Migration from this version of the instance is not supported.
2. The instance is already using the current version of the product and no migration is required.

User Response: Make sure that the instance is valid for migration and then try the command again with a valid instance name.

DBI1205E One or more local databases have been detected that cannot be migrated to the newest version. Check the logfile *logfile-name* for the list of errors.

Explanation: Possible errors on the database are:

- Backup pending
- Roll-forward pending
- Database inconsistent
- One or more tablespaces is not in normal state
- Database contains database objects that have a schema name of SYSCAT, SYSSTAT or SYSFUN
- Database contains database objects that have a dependency on the SYSFUN.DIFFERENCES function. Possible violated objects are:
 - constraint
 - function
 - trigger
 - view

User Response: Take the following corrective action for each database from the file “<logfile-name>”:

- Backup pending - Perform backup of the database.

- Roll-forward pending - Perform a roll-forward database to end of logs and stop.
- database inconsistent - Restart database to return it to a consistent state.
- Tablespace not in normal state - Perform a roll-forward database.
- Invalid schema - Drop the object and re-create the object with a correct schema name (qualifier). If the object is a table you should first export its data, drop the table, re-create the table with a correct schema name, and then import or load the data to the new table.
- Object having SYSFUN.DIFFERENCES dependency -
 - Constraint - alter table to drop the constraint
 - Function - drop the function
 - Trigger - drop the trigger
 - View - drop the view

DBI1211E Migration of the *directory-name* failed.

Explanation: A system error such as running out of disk space or memory has been encountered during the migration of the directory. Instance migration failed.

User Response: Make sure there is sufficient disk space and memory before trying the command again.

DBI1212W Migration of the local database directory on *path* failed.

Explanation: The process of migrating local database directory is not complete because of an unexpected error occurred.

User Response: An error file “db2mgdbd.err” and a local database directory backup “sqldbdir/sqlddir.bak” are created in the directory path mentioned above.

Keep these two files and contact IBM service for instruction of possible ways to repair your directory. Without the local database directory, databases that are catalogued in the local database directory will no longer be accessible.

DBI1220W Migration of the node directory on path failed.

Explanation: The process of migrating node directory is not complete because of an unexpected error occurred.

User Response: Two options to recover:

1. Remove node directry and re-catalog node entry.
2. An error file “db2mgndd.err” and a node directory backup “sqlnodir/sqlnmdir.bak” are created in the directory path mentioned above.

Keep these two files and contact IBM service for instruction of possible ways to repair your directory. Contact IBM services to recover your node directory.

DBI1221W The node directory is corrupted and cannot be migrated.

Explanation: Either the node directory files are not the same or the node directory file is corrupted.

User Response: Remove node directry and re-catalog node entry.

DBI1222W The system database directory is corrupted and cannot be migrated.

Explanation: Either the primary and backup system database directory files are not the same or system database directory is corrupted.

User Response: Remove system database directry and re-catalog all database entry.

DBI1223W The local database directory is corrupted and cannot be migrated.

Explanation: Either the primary and backup database directory files are not the same or the local database directory file is corrupted.

User Response: An error file “db2mgdbd.err” and a local database directory backup “sqldbdir/sqldddir.bak” are created in the directory path mentioned above.

Keep these two files and contact IBM service for instruction of possible ways to repair your directory. Without the local database directory, databases that are catalogued in the local database directory will no longer be accessible.

DBI1225W The authentication type of a catalogued local database has been changed.

Explanation: One or more catalogued database entries were detected that have an authentication type that is different from the authentication type that was specified for the instance. If no action is taken then all catalogued local database entries will assume the authentication type of the instance they belong to.

User Response: Check the file migration.log in the home directory of the instance for a list of the catalogued local database entries that are not the same as the authentication specified for the instance. If you want the database to maintain it’s previous authentication type then you can either change the authentication type of the instance or you can move the database to another instance that has the desired authentication type. Before changing the authentication type of the instance, however, you should make sure that you want all the catalogued local database entries to have the new authentication type.

DBI1240E The database manager could not be started.

Explanation: The database manager could not be started when attempting to check if catalogued local databases can be migrated.

User Response: Resolve why the database manager could not be started and then try the command again.

DBI1250E Applications are still using instance *instance-name*.

Explanation: There are applications that are still running that are using the specified instance. All applications using this instance must be terminated before the command can be

completed successfully. You can get a list of the applications that are currently using the instance by issuing the command:

```
db2 list applications
```

User Response: You can either wait for the applications to end by themselves, or you can explicitly force the applications to end. You can logon as the instance owner and run the command

```
db2 force application all
```

Note that some applications may have unexpected behaviour when terminated using the above command. After all the applications have stopped, stop the database manager using “db2istop” command.

DBI1260E Cannot read from response file.

Explanation: An attempt was made to read from the given response file failed. Ensure that the response file has read access permission and the given path to the response file is correct.

User Response: Correct the access permission and the location of the response file and try again.

DBI1261E The value is not valid for the keyword.

Explanation: The value specified in the response file is not valid for its corresponding keyword. Refer to the sample response file for a list of valid entries.

User Response: Correct the problem in the following line of the response file and try again.

DBI1262E Unknown keyword detected in the response file.

Explanation: The given keyword in the response file is not valid. Refer to the sample response file for a list of valid keywords.

User Response: Correct the problem in the following line of the response file and try again.

DBI1264E Errors were encountered in running *program-name*. Please refer to the installation log file *log-name* for more information.

Explanation: All processed and failed operations have been saved into this log file.

User Response: Do not modify this file in any way. This file is for IBM Technical Support reference.

DBI1266I Refer to the log file *log-name* for more information.

Explanation: All processed and failed operations have been saved into this log file.

User Response: Do not modify this file in any way. This file is for IBM Technical Support reference.

DBI1268E The fileset *fileset* is not available on the installation media.

Explanation: One of the filesets to be installed is not found on the installation media. If the fileset is not located on the installation media then it cannot be installed.

User Response: Ensure that the fileset is located on the installation media. If the fileset is not located on the installation media de-select it and try again.

DBI1270E Error detected in the response file.

Explanation: An error has been detected when processing the response file. Install cannot be continued unless the problem has been corrected.

User Response: Correct the problem in the following line of the response file and try again.

DBI1278W Warning issued from the response file.

Explanation: A warning has been raised when processing the response file. DB2 Installer will carry on without stopping.

User Response: If required, correct the problem

in the following line of the response file and try again.

DBI1279I Notice issued from the response file.

Explanation: A notice has been issued when processing the response file. DB2 Installer will carry on without stopping.

User Response: This is for your information only. No action is required.

DBI1281E The database manager configuration file could not be initialized.

Explanation: An error occurred when attempting to initialize the database manager configuration file. A DB2 instance could not be created or migrated.

User Response: Refer to the log file for problem determination. Resolve the problem and try the command again. If the problem persists, please contact IBM Support.

DBI1282W The database manager configuration files could not be merged.

Explanation: An error was detected when attempting to merge two database manager configuration files. The previous database manager configuration file could not be merged with the new database manager configuration file.

User Response: Check the values in the new database manager configuration file and update the parameters as required.

DBI1283E Unable to update the communication information for instance.

Explanation: The SVCENAME parameter and/or the DB2COMM registry values could not be updated during instance creation.

User Response: Make sure that the SVCENAME parameter is set to

"<profile-name>" in the database manager configuration file and update using

```
db2 update dbm cfg using
SVCENAME "<profile-name>"
```

Also update the DB2COMM variable to tcpip by running

```
db2set DB2COMM=tcpip
```

DBI1290E An attempt to create the profile registry *profile-name* failed.

Explanation: An error occurred when creating the profile registry. One of the following situations occurred:

- Incorrect access permission on the file containing the profile registry.
- Profile registry is not set up properly.
- There is not enough space on your file system.

User Response: Check the file permissions on the instance list profile in one of the following directories:

```
/usr/opt/db2_08_xx, where xx is 01 or FPn,
where n is the FixPak number
or /opt/IBM/db2/V8.x, where x is 1 or FPn,
where n is the FixPak number
```

DBI1291E The instance *instance-name* was not found in the instance list.

Explanation: The specified instance was not found in the instance list.

User Response: Verify that the list of instances as reported by the "db2ilist" command is correct. Retry the command with a valid instance name.

DBI1292E The instance *instance-name* is already in the instance list.

Explanation: The instance that is being created or migrated is already in the instance list.

User Response: Use a different instance name that is not part of the instance list as reported by the "db2iset -l" command.

DBI1293E **There is no DB2 Query Patroller Server set up on this system.**

User Response: If DB2 Query Patroller was not installed via the DB2 Installer, please use the Installer to properly set up an instance for use with the DB2 Query Patroller Server. If one has been set up, then verify that it is recorded in the default.env file, and that the file is world readable. default.env can be found in

 /usr/opt/db2_08_xx, where xx is 01 or FPn,
 where n is the FixPak number
or /opt/IBM/db2/V8.x, where x is 1 or FPn,
 where n is the FixPak number

DBI1295E **The instance list could not be updated.**

Explanation: The instance could not be added to or removed from the instance list. An error has occurred when adding or removing the instance from the instance list. One of the following situations occurred:

- Incorrect access permission on the registry profile.
- Profile registry is not set up properly.
- There is not enough space on your file system.

User Response: Check the file permissions on the instance list profile in one of the following directories:

 /usr/opt/db2_08_xx, where xx is 01 or FPn,
 where n is the FixPak number
or /opt/IBM/db2/V8.x, where x is 1 or FPn,
 where n is the FixPak number

DBI1297E **The instance profile *profile-name* could not be updated.**

Explanation: An error occurred when updating the instance profile registry. One of the following situations occurred:

- Incorrect access permissions on the instance profile registry.
- Profile registry is not set up properly.
- There is not enough space on your file system.

User Response: Check the file permissions on the instance list profile in one of the following directories:

 /usr/opt/db2_08_xx, where xx is 01 or FPn,
 where n is the FixPak number
or /opt/IBM/db2/V8.x, where x is 1 or FPn,
 where n is the FixPak number

DBI1300N **db2set displays, sets, or removes DB2 profile variables.**

```
db2set [[[variable]=[value]]
        [-g | -i instance[
        node-number]]]
        [-all] [-null]
        [-r instance[node-number]]
        [-n DAS node[
        -u user[-p password]]]
        [-l | -lr] [-v] [-ul | -ur]
        [-? | -h]
```

Explanation: The command options are:

- g Access the global profile variables.
- i Specifies the instance profile to use instead of the current or default.
- n Specifies the remote DB2 Administration Server node name.
- u Specifies the user ID to use for the Administration Server attachment.
- ul Access the user profile variables
- ur Refreshes user profile variables
- p Specifies the password to use for the admin server attachment.
- r Resets the profile registry for the given instance
- l Lists all instance profiles.
- lr Lists all supported registry variables.
- v Verbose mode.
- ? Displays the command help message.
- h Same as -? option.

- all Displays all occurrences of the local environment variables as defined in:
 - The environment, denoted by [e]
 - The user level registry, denoted by [u]
 - The node level registry, denoted by [n]
 - The instance level registry, denoted by [i] and
 - The global level registry, denoted by [g]
- null Sets the variables value to null at the specified registry level to prevent looking up the value in the next registry level as defined in the variable value search order.

Notes:

- db2set with no variable name displays all defined variables.
- db2set <variable> displays <variable>'s value.
- db2set <variable>= (nothing) deletes the <variable>.
- db2set <variable>=<value> modifies the <variable>'s value.
- db2set <variable> -null sets <variable>'s value to NULL.
- db2set <variable> -all displays all defined <variable>'s values.
- db2set -ur refreshes the current user profile.
- db2set <variable> -ul displays defined <variables> at the user level.
- db2set -all displays all defined variables in all registry levels.

DBI1302E Invalid parameter detected.

Explanation: An invalid parameter was used.

User Response: Use the -? option for the usage help message.

DBI1303W Variable not set.

Explanation: The variable was not set in the profile registry.

User Response: No further action is required.

DBI1304E Unexpected error.

Explanation: The tool encountered an unexpected system error.

User Response: Contact your DB2 service representative.

DBI1305E The profile registry was not found.

Explanation: The target machine does not have a profile registry setup.

User Response: Create the registry on the target machine by installing DB2.

DBI1306N The instance profile is not defined.

Explanation: The instance is not defined in the target machine registry.

User Response: Specify an existing instance name or create the required instance.

DBI1307N The instance node profile is not defined.

Explanation: The instance node is not defined in the target machine registry.

User Response: Create the registry by installing the required DB2 product parts.

DBI1308E Out of memory condition encountered.

Explanation: The tool encountered an "out of memory resource" error.

User Response: System is low on memory resources. Terminate non-essential applications or try again later.

DBI1309E System error.

Explanation: The tool encountered an operating system error.

User Response: A system error was encountered during registry access. Ensure that there is enough space on the file system where the registry is located, and that there is a valid LAN connection if the registry is remote.

DBI1310E Remote registry access is not supported.

Explanation: The tool does not support the remote registry option.

User Response: Consult the Command Reference on how to access the registry remotely.

DBI1311I Listing registry instance profiles...

DBI1312I Listing defined global variables...

DBI1313I Listing defined instance variables...

DBI1314I Listing all supported registry variables...

DBI1315W Unknown message!

DBI1316E Instance is not MPP.

Explanation: The target instance is not a DB2 MPP instance.

User Response: Choose an MPP instance.

DBI1317E Instance node already exists.

Explanation: A duplicate instance node already exists.

User Response: Choose a different instance node.

DBI1320W WARNING:

Explanation: This script is used to gather information useful to IBM Support to debug the problems you may be experiencing. This information may be of a sensitive nature. You

may wish to edit the output file, db2ginfo.txt, before sending it to IBM Support.

User Response: To signal your awareness and acceptance of the above warning, run this script with the -y flag specified.

DBI1330W The action might affect other instances.

Explanation: The file IWH.environment contains global information for all instances. Updating this file might affect all instances. Do you wish to continue?

DBI1332E Missing template file for IWH.environment.

Explanation: The template file for IWH.environment is needed.

DBI1351E You must be the instance owner to run this command.

Explanation: To run this command, you must be the DB2 Query Patroller Server instance owner.

User Response: Verify that the DB2 Query Patroller Server instance is correctly recorded in the file default.env. Log in as the DB2 Query Patroller Server instance owner and issue the command again. default.env can be found in

/usr/opt/db2_08_xx, where xx is 01 or FPn, where n is the FixPak number
or /opt/IBM/db2/V8.x, where x is 1 or FPn, where n is the FixPak number

DBI1352E The instance *instance-name* is not an ESE instance.

Explanation: DB2 Query Patroller Server/Agent must be created on an ESE instance.

User Response: Run this command again using a valid ESE instance name, or you may create and set up a new ESE instance first before running this command again.

DBI1353E DB2 Query Patroller Server has been set up on an instance already.

Explanation: DB2 Query Patroller Server can be set up on one DB2 UDB instance only.

User Response: Run the command `dqplist` to find out the named of the instance being used as the DB2 Query Patroller Server. If the instance name is correct then there is no need to run `dqpcrt` to set up a server. For setting up an agent you need to use the correct instance name. If this instance is no longer being used for that purpose, run the command

```
dqpdrop inst_name
```

to remove it. Then re-run the `dqpcrt` command again.

DBI1354E The instance *instance-name* is not an DB2 Query Patroller Server instance.

User Response: Use `dqplist` to find out the proper server instance name and re-run the command again.

DBI1355I Usage:

```
dqpcrt [-h|-?] -s|-a
        -p PortName InstName
```

Explanation: An incorrect argument was entered. Valid arguments for this command are:

PortName

Port name to be used with the DB2 Query Patroller Server/Agent

InstaName

name of an instance that is to be designated as an DB2 Query Patroller Server instance

-s Creating a DB2 Query Patroller Server on the named instance

-a Creating a DB2 Query Patroller Agent on the named instance.

-h|-? display the usage information

The **-a** option is only valid on a multiple partitioned database instance.

User Response: Re-enter the command with the proper syntax.

DBI1356I Usage:

```
dqplist [-h|-?]
```

Explanation: An incorrect argument was entered. Valid arguments for this command are:

-h|-? display the usage information

User Response: Re-enter the command with the proper syntax.

DBI1357I Usage:

```
dqpdrop [-h|-?] InstName
```

Explanation: An incorrect argument was entered. Valid arguments for this command are:

InstName

name of the instance that you wish to remove the DB2 Query Patroller Server from

-h|-? display the usage information

This command can only be issued on the node where the DB2 Query Patroller Server was created.

User Response: Re-enter the command with the proper syntax.

DBI1358W Failed to modify the DB2 Query Patroller profile files.

Explanation: An attempt to update the `dqpprofile` and/or `dqpcshrc` files have failed. Possible causes can be

- These files do not exist in the `sqllib` directory under the instance home directory.
- There is no write permission on these files.

- Failure to create a temporary file in /tmp directory.

User Response: Check the existence and permission on these files. Verify that you can write to /tmp. Issue the command again.

DBI1359E Unable to remove the DB2 Query Patroller Server from instance
instance-name.

Explanation: An attempt to remove the DB2 Query Patroller Server from the named instance has failed.

User Response: Manually remove the file sqllib/cfg/dqplevel from the instance owner's home directory. Also edit the file default.env and remove the DQPSEVER line from this file. default.env can be found in

/usr/opt/db2_08_xx, where xx is 01 or FPn, where n is the FixPak number
or /opt/IBM/db2/V8.x, where x is 1 or FPn, where n is the FixPak number

DBI1360E Unable to complete DB2 Query Patroller set up.

Explanation: An attempt to set up the DB2 Query Patroller Server has failed. Possible cause include:

- Failed to create a database for the DB2 Query Patroller Server
- Failed to create a nodegroup on the specified node
- Failed to create a tablespace in the nodegroup

User Response: If the database or the nodegroup creation failed, try to create them manually and re-run the command.

If it failed at creating the table space, check to see that you have write permission to the path you have designated. Try to create the tablespace manually.

DBI1361E DB2 Query Patroller Server code has not been installed.

Explanation: The DB2 Query Patroller Server code has not been installed, and is required for the current operation to complete.

User Response: Install the DB2 Query Patroller Server code, and try the command again.

DBI1362W IWM schema objects have been detected.

Explanation: DB2 has detected IWM schema objects, possibly from a previous install of IWM.

User Response: If you wish to keep the existing IWM schema objects, there is nothing to do. If you wish to remove them and re-create new ones, re-issue the dqpssetup command with the -o flag.

DBI1363E Failed to create IWM schema objects.

Explanation: An attempt to create the IWM schema objects has failed.

User Response: Verify that the files db2_qp_schema and iwm_schema.sql are both in the directory /usr/opt/db2_08_xx/bin, where xx is 01 or FPn, where n is the FixPak number.

If both files exist, then the output of the IWM schema creation procedure can be found in /tmp/iwmschr.log. Correct any error and re-run the dqpssetup command again.

DBI1364E No previous DB2 Query Patroller schema objects exist.

Explanation: No previous DB2 Query Patroller schema objects exist to be migrated.

User Response: Run dqpssetup again with the correct syntax. Use 'dqpssetup -h' to see the syntax.

DBI1365E Node number is not defined.

Explanation: The node number is not defined in the db2nodes.cfg.

User Response: Examine the `db2nodes.cfg` file and make sure the entry you want is there. Enter the command again using the correct node number exactly as recorded in the `db2nodes.cfg` file.

DBI1366E **The container *sms-path* is already in use.**

Explanation: The directory named as a container for the tablespace already exists.

User Response: Run the command again using a different path for the container for the tablespace.

DBI1367E **Failed to bind the files listed in *bind-list*.**

Explanation: There was a problem binding the bind files listed in named file(s).

User Response: Perform the binding manually.

DBI1368E **Failed to connect to DQP database *db2dbdft*.**

Explanation: The database likely doesn't exist.

User Response: Specify that you would like to setup a new DQP instance using all the required parameters to `dqpsetup`. This instance cannot be migrated.

DBI1370W **Unable to modify the *.profile* or the *.login* file of user *inst-name*.**

Explanation: DB2 has failed to modify the `.profile` file or the `.login` file of this user. These files may not exist, or you may not have write permission to them. Without the modification you need to set your environment manually each time when you log in as this user to use DB2 Query Patroller.

User Response: See the Quick Beginning Guide for more details on how to set the DB2 environment automatically.

DBI1371E **Missing arguments for setting up a Query Patroller Server.**

Explanation: A Query Patroller instance must be set up as server when DB2 Query Patroller Server is installed. Therefore the following arguments must be supplied:

1. Node group.
2. Node number.
3. Database name.
4. Tablespace.
5. Result tablespace.
6. Tablespace path.

And optionally:
DMS Tablespace size.

User Response: Specify the required and/or optional arguments in the response file.

DBI1372E **Cannot set up a Query Patroller server instance.**

Explanation: To set up a Query Patroller server instance, you must have DB2 Query Patroller Server installed.

User Response:

- Install DB2 Query Patroller Server.
- If you wish to set up a Query Patroller agent, take out the arguments for node group, node number, database name, tablespace, result tablespace, tablespace path and DMS tablespace size.

DBI1373E **Cannot set up Query Patroller server instance when creating a new ESE instance.**

User Response: Create the ESE instance and set up the instance as a Query Patroller server in separate steps.

DBI1375E **Cannot set up a Query Patroller instance without ESE installed.**

User Response: Install ESE, and DB2 Query Patroller Agent/Server.

DBI1376E To set up a Query Patroller instance, you need to provide the service name and port number of the IWM user.

User Response:

- If you wish to set up a Query Patroller instance, enter the service name and port number of the IWM user.
- If you do not wish to set up a Query Patroller instance, take out the specification of node group, node number, database name, tablespace, result tablespace, tablespace path and DMS tablespace size from the response file.

DBI1377N db2isetup was unable to locate a suitable Java Runtime Environment on your computer. If a Java Runtime Environment v.13 is present, please set your JAVA_HOME environment variable and try running the command again. Otherwise, please refer to the DB2 Installation Notes for information on the recommended Java environment for your operating system.

DBI1378N db2setup was unable to locate a suitable Java Runtime Environment on your computer. If a Java Runtime Environment v.13 is present, please set your JAVA_HOME environment variable and try running the command again. Otherwise, please refer to the DB2 Installation Notes for information on the recommended Java environment for your operating system. If you are unable to obtain a suitable Java Runtime Environment you can install this product from the command using the doc_install script. Run this script without any parameters for information on how to use it.

DBI1400N The syntax of the db2licm command is incorrect.

Explanation: The db2licm tool performs basic license functions in the absence of the Control Center. It adds, removes, lists, and modifies licenses installed on the local system:

```
db2licm [-a filename]
        [-e HARD | SOFT]
        [-p prod-password
        REGISTERED | CONCURRENT |
        INTERNET | MEASURED]
        [-r prod-password]
        [-u prod-password num-users]
        [-n prod-password num-processors]
        [-l]
        [-v]
        [-?]
```

The command options are:

- a Adds a license for a product. Specify a file name containing valid license information. This can be obtained from your licensed product CD or contact your IBM representative or authorized dealer.
- n Updates the number of entitled processors. Specify the number of processors that you are entitled to use this product with.
- e Updates the enforcement policy on the system. Valid values are: HARD and SOFT. HARD specifies that unlicensed requests will not be allowed. SOFT specifies that unlicensed requests will be logged but not restricted.
- l Lists all the products with available license information.
- p Updates the license policy type to use on the system. The keywords CONCURRENT, REGISTERED, or CONCURRENT REGISTERED can be specified. In addition, you can specify INTERNET for DB2 UDB Workgroup Server products. Alternatively you can

also specify MEASURED for DB2 Connect Unlimited products.

- r Removes the license for a product. After the license is removed, the product functions in "Try & Buy" mode. To get the password for a specific product, invoke the command with the -l option.
- u Updates the number of user entitlements that have been purchased. Specify the password of the product for which the entitlements were purchased and the number of users.
- v Displays version information.
- ? Displays help information. When this option is specified, all other options are ignored, and only the help information is displayed.

User Response: Enter the command again using the valid parameters.

DBI1401I Command line DB2 License Manager.

Explanation: The db2licm tool performs basic license functions in the absence of the Control Center. It adds, removes, lists, and modifies licenses installed on the local system:

```
db2licm [-a filename]
        [-e prod-password HARD | SOFT]
        [-p prod-password
        REGISTERED | CONCURRENT |
        INTERNET | MEASURED]
        [-r prod-password]
        [-u prod-password num-users]
        [-n prod-password num-processors]
        [-l]
        [-v]
        [-?]
```

The command options are:

- a Adds a license for a product. Specify a file name containing valid license information. This can be obtained from your licensed product CD or contact your IBM representative or authorized dealer.

- n Updates the number of entitled processors. Specify the number of processors that you are entitled to use this product with.
- e Updates the enforcement policy on the system. Valid values are: HARD and SOFT. HARD specifies that unlicensed requests will not be allowed. SOFT specifies that unlicensed requests will be logged but not restricted.
- l Lists all the products with available license information.
- p Updates the license policy type to use on the system. The keywords CONCURRENT, REGISTERED, or CONCURRENT REGISTERED can be specified. In addition, you can specify INTERNET for DB2 UDB Workgroup Server products. Alternatively you can also specify MEASURED for DB2 Connect Unlimited products.

- r Removes the license for a product. After the license is removed, the product functions in "Try & Buy" mode. To get the password for a specific product, invoke the command with the -l option.
- u Updates the number of user entitlements that have been purchased. Specify the password of the product for which the entitlements were purchased and the number of users.
- v Displays version information.
- ? Displays help information. When this option is specified, all other options are ignored, and only the help information is displayed.

DBI1402I License added successfully.

DBI1403I License removed successfully.

DBI1404N Product password not found.

Explanation: The given password is either invalid, or a license for this product was not

found in the nodelock file.

User Response: Issue this command with -l option to check that the password entered is the correct product password for the product that you want to perform this action on. If you are using nodelock passwords, check that the license key for this product is installed in the nodelock file.

DBI1405I License policy type updated successfully.

DBI1406N Invalid license policy type.

Explanation: The license policy type that was entered was not valid for the product specified.

User Response: Please enter a valid license policy. Options are:

- CONCURRENT
- REGISTERED
- INTERNET
- CONCURRENT REGISTERED
- CONCURRENT INTERNET
- REGISTERED INTERNET
- CONCURRENT REGISTERED INTERNET
- MEASURED

INTERNET policy is valid for DB2 UDB Workgroup Server products.

MEASURED policy is valid for DB2 Connect Unlimited products.

DBI1407N Invalid license certificate file.

Explanation: License certificate file is not in the correct format.

User Response: Enter the name of a file with the correct license certificate format.

DBI1408N The file *file-name* could not be opened.

Explanation: The file is not found or access to the file is denied.

User Response: Enter the name of a file that exists and can be opened and try the command again.

DBI1409N Invalid enforcement policy type.

Explanation: The enforcement policy type specified is not valid for this product.

User Response: Please enter a valid enforcement policy type that is supported by the specified product.

DBI1410I Concurrent users updated successfully.

DBI1411I Enforcement policy type updated successfully.

DBI1412W A hard stop enforcement policy stops the use of the product by unlicensed users when licensing infractions have been exceeded.

DBI1413W A soft stop enforcement policy logs license infractions, but allows unlicensed users to still use the product.

DBI1416N The license could not be added to the nodelock file automatically.

Explanation: The return code is "<return-code>".

User Response: Please ensure the license certificate is readable. You may also enter the license into the nodelock file manually. Please see the license file for instructions.

DBI1417N The license specified could not be removed from the nodelock file.

Explanation: The return code is "<return-code>".

User Response: Ensure that the license for this product exists in the nodelock file.

DBI1418I The number of licensed processors on this system has been updated successfully.

DBI1419N There was an error updating the number of licensed processors.

Explanation: The return code is "<return-code>".

DBI1420N This product does not support this type of license policy.

Explanation: The license policy specified does not apply to this product or is not supported.

User Response: Please enter a valid license policy.

DBI1421N This product specified is not installed on this system.

Explanation: You can not configure a license policy for a product until the product is installed.

User Response: Install the product before running this command or specify the correct product password. To list the products install on the system issue db2licm -l.

DBI1422N The number of concurrent users was not updated.

Explanation: The return code is "<return-code>".

User Response: Please ensure the concurrent policy is enabled for this product.

DBI1423N This option requires the creation of an instance.

Explanation: Features that are required to perform this action are only accessible once an instance has been created.

User Response: Please create an instance and issue this command again.

DBI1424N An unexpected error occurred while accessing processor information.

Explanation: The return code is "<return-code>".

User Response: None.

DBI1425E The license for DB2 OLAP Server cannot be updated. The DB2 OLAP processes are currently active.

Explanation: DB2 cannot update the license for DB2 OLAP Server while DB2 OLAP Server is running.

User Response: To update your OLAP license, please stop all OLAP processes and reinstall this DB2 license.

DBI1426I This product is now licensed for use as specified in the License Acceptance and License Information documents pertaining to the licensed copy of this product. USE OF THE PRODUCT CONSTITUTES ACCEPTANCE OF THE TERMS OF THE IBM LICENSE ACCEPTANCE AND LICENSE INFORMATION DOCUMENTS, LOCATED IN THE FOLLOWING DIRECTORY: *dir-name*

DBI1427I This product is now licensed for use as specified in the License Acceptance and License Information documents pertaining to the evaluation ("Try and Buy") copy of this product. USE OF THE PRODUCT CONSTITUTES ACCEPTANCE OF THE TERMS OF THE IBM LICENSE ACCEPTANCE AND LICENSE INFORMATION DOCUMENTS, LOCATED IN THE FOLLOWING DIRECTORY: *dir-name*

DBI1428N There was an error updating the number of licensed processors.

Explanation: The number of licensed processors entered exceeds the number of maximum licensed processors allowed for this product.

User Response: Please enter number of licensed processors that does not exceed the defined maximum. If the number of processors on your system exceeds the maximum number of processors allowed for this product, please contact your IBM representative or authorized dealer.

DBI1429N This product does not support this combination of license policies.

User Response: Please enter a valid combination of license policies. For example, you can specify "CONCURRENT REGISTERED" as a valid combination.

DBI1430N The license could not be added to the nodelock file because the license date is greater than operating system date.

User Response: Please check your certificate file to ensure that the license start date precedes the current date (the date set on the operating system).

DBI1431N This user does not have proper authority to perform the specified action.

Explanation: This program can be only be executed under the root user ID or a user ID with SYSADM authority.

User Response: Please login with a userid that has the proper permissions to perform this command.

DBI1500I Usage:

db2inst [-f *response-file*]

Explanation: An incorrect argument was

entered. The command accepts an optional flag -f which is followed by the path of the "DB2 Installer" response file.

User Response: Re-enter the command with a valid argument.

DBI1501E An internal error was encountered.

Explanation: An error was detected while performing an internal operation.

User Response: Verify that the file system on which the file resides is not damaged. If the problem persists, contact IBM Support with the following information:

1. Message number
2. Internal error message description
3. Problem description

DBI1502E An error was encountered when opening or reading from file, *file-name*.

Explanation: An error was encountered when opening or reading from a file. One of the following errors occurred:

- An I/O error occurred opening or reading from the file.
- An expected value was not found in the file.
- The order of the data in the file is incorrect.

User Response: If the file was modified by the user, verify that the data in the file is valid. If the file was not modified by the user, contact IBM Support with the following information:

1. Message number
2. Message description
3. Problem description

DBI1503E An error was encountered when opening or writing to file, *file-name*.

Explanation: An error was encountered when writing data to a file. One of the following errors occurred:

- Incorrect access permissions on a given directory.
- There is not enough space on your file system.

User Response: Check to see if the permissions on the file's parent directory have been set correctly. If the problem persists, contact IBM Support with the following information:

1. Message number
2. Message description
3. Problem description

DBI1504E An error occurred opening message files.

Explanation: An attempt to open and read from "DB2 Installer" message catalog files failed. Before DB2 Installer starts up, it looks for two resource files -- db2inst.rcx and db2inst.cat in the following locations:

- DB2 product directory, or
- on the distribution media, or
- environment variables DB2IRCX and DB2ICAT.

User Response: Set the environment variables DB2IRCX and DB2ICAT to the absolute location of db2inst.rcx and db2inst.cat respectively.

DBI1505E An attempt to allocate memory failed.

Explanation: An error was detected when attempting to allocate memory.

User Response: Terminate other applications running on the system that may be using large amounts of memory. If the problem persists, contact IBM Support with the following information:

1. Message number
2. Message description
3. Problem description

DBI1507E An instance of the DB2 Installer is already started.

Explanation: An error was detected when attempting to start up the DB2 Installer. Another

instance of the DB2 Installer is still running.

User Response: Terminate all instances of the DB2 Installer and restart the install process. If the problem persists, remove the lock file /tmp/.db2inst.lck and restart the DB2 Installer.

DBI1515E An attempt to allocate resource for a subprocess failed.

Explanation: An error was detected when attempting to startup a subprocess.

User Response: Terminate other applications running on the system that may be using large amounts of resources. If the problem persists, contact IBM Support with the following information:

1. Message number
2. Problem description

DBI1516E An attempt to terminate a subprocess failed.

Explanation: An error was detected when attempting to terminate a subprocess.

User Response: Terminate other applications running on the system that may be using large amounts of resources. If the problem persists, contact IBM Support with the following information:

1. Message number
2. Problem description

DBI1517E An attempt to execute a command in a subprocess failed.

Explanation: An error was detected when attempting to execute a command in a subprocess. One of the following problems occurred:

- The command does not exist.
- Incomplete command search path.
- Incorrect access permissions on the command.
- System resource problem.

User Response: Correct the problem and try again. If the problem persists, contact IBM Support with the following information:

1. Message number
2. Problem description

DBI1520E Minimum terminal display size is 24 x 80.

Explanation: Your current terminal or window size is not large enough. This program requires a minimum terminal display size of 24 lines by 80 columns.

User Response: Check your terminal or window size and try again.

DBI1521E An attempt to read in the terminal capability information failed.

Explanation: An error was detected when attempting to initialize your terminal display. There are two conditions where this type of error would occur:

- The function cannot find the environment variable TERM or it is unable to find the correct terminfo database entry for the terminal.
- There is not enough memory space available when initializing your terminal display.

User Response: Set your environment variable TERM to a correct terminal type. If the problem persists, try to terminate other applications running on the system that may be using large amounts of memory. If the problem still occurs, contact IBM Support with the following information:

1. Message number
2. Problem description

DBI1522E An attempt to restore the terminal capability information failed.

Explanation: An error was detected when attempting to restore your terminal display to the original state.

User Response: Set your environment variable TERM to a correct terminal type. If the problem persists, try to terminate other applications running on the system that may be using large amounts of memory. If the problem still occurs,

contact IBM Support with the following information:

1. Message number
2. Problem description

DBI1530E Cannot unpack image file.

Explanation: An error has occurred while unpacking the tar image from the distribution media. One of the following situations has occurred:

- The given path name is a non-existing directory.
- The file system does not have enough space.
- The access permission on the given path is incorrect.
- The tar command was not found in your current search path.

User Response: Restart the install process and retry with a correct path name.

DBI1540E An invalid distribution media path is specified.

Explanation: An error was detected when attempting to locate the installable images on the distribution media. One of the following errors occurred:

- The file system associated with the given path is not properly mounted.
- An incorrect access permission has been assigned to the given path.

User Response: Check the path and try the command again. Note that all file and directory names in Unix are case sensitive.

DBI1541E An attempt to open or read from the given status file failed.

Explanation: An error was detected when attempting to open or read from the status file. If the status file has not been modified manually, then one of the following errors occurred:

- An incorrect file path has been specified.
- An incorrect access permission has been assigned to the status file.

- The file system associated with the given path is not properly mounted.

User Response: Check the path and try the command again. Note that all file and directory names in Unix are case sensitive. If the problem persists, contact IBM Support with the following information:

1. Message number
2. Problem description
3. Status file

DBI1550E **There is not enough disk space on the file system.**

Explanation: An error was encountered when trying to allocate more disk space on the file system.

User Response: Retry the command after enough space has been freed up for the specified operation.

DBI1570I **Usage:**

db2olset InstName

Explanation: An incorrect argument was entered for the db2olset command. Valid arguments for this command are:

- h | -? display the usage information
- d turn debug mode on.

InstName

is the name of the instance you wish to set up to use with the OLAP Starter Kit

User Response: Enter the command again as follows:

db2olset InstName

DBI1631E **An error was encountered while creating a sample database.**

Explanation: One of the following situations has occurred:

- There is not enough disk space on the file system.

- The DB2 product has not been installed properly, or some of the component files are missing.

User Response: If this is not a disk space problem, try to re-install the product. If the problem persists, turn trace on and retry the steps to create a database through the CLP. Then, save the trace information to a file and contact IBM Support with the following information:

- Message number
- Problem description
- Trace file

DBI1632E **An error was encountered while configuring to “auto-start” instance.**

Explanation: One of the following situations has occurred:

- The feature to “auto-start” the instance is already enabled.
- An error was encountered while adding an entry to “/etc/inittab” file. This could be a file permission problem.
- The db2uit tool is missing.

User Response: If any of the above three situations apply, then correct the problem and retry the command. If the problem persists, contact IBM Support with the following information:

- Message number
- Problem description

DBI1633E **An error was encountered while removing the configuration to “auto-start” instance.**

Explanation: One of the following situations has occurred:

- The feature to “auto-start” the instance is not enabled.
- An error was encountered while removing an entry to “/etc/inittab” file. This could be a file permission problem.
- The db2uit tool is missing.

User Response: If any of the above three situations apply, then correct the problem and retry the command. If the problem persists, contact IBM Support with the following information:

- Message number
- Problem description

DBI1634W Unable to update /etc/rc.db2v08 to auto-mount dlfs file system.

Explanation: An attempt to update /etc/rc.db2v08 to enable the auto-mounting of the dlfs file system on system reboot has failed.

User Response: Manually edit the file /etc/rc.db2v08, and add the following lines to it:

```
if [ -x /etc/rc.dlfs ]; then
    /etc/rc.dlfs
fi
```

DBI1635E An error was encountered while adding to the Administration Server group list.

Explanation: An error was detected when attempting to add a DB2 instance to the Administration Server group list.

User Response: If you are running this command on an NIS client, try to append the group name of the DB2 instance to the secondary group of the Administration Server on your NIS server.

DBI1637W By clicking OK, your previous settings for the instance will be lost.

User Response: Click OK if you wish to proceed. Otherwise click Cancel.

DBI1639E Cannot set up a new instance.

Explanation: The given instance name does not belong to an existing instance.

User Response:

- Create a new instance.

- If you are running the interactive installer, from the instance creation panel choose to create a new instance.
 - If you are running the response file installer, provide additional information for the user.
- Enter the name of an existing instance.

DBI1640W The specified instance is not a server instance.

Explanation: Some of the DB2 components can only be configured for DB2 server instances.

User Response:

- If the specified instance is a client instance and DB2 server product is installed, run db2iupdt to update the client instance to a server instance.
- If the specified instance is a Data Link Administration Server, exit the installer and set up the instance from the command line, if you wish to do so.

DBI1651E The specified UID is invalid.

Explanation: An invalid UID has been entered. One of the following situations has occurred:

- The given UID is already assigned to an existing user on the system.
- The given UID either is too long or consists of invalid characters.
- The given UID less than or equal to 100.

User Response: Retry with a different user ID.

DBI1652E The specified user name is invalid.

Explanation: An invalid user name has been entered. One of the following situations has occurred:

- The given user name already exists on the system.
- The given user name already exists on the system but under a different group name.
- The given user name either is too long or consists of invalid characters.

User Response: Retry with a different user name.

DBI1653E The specified group is invalid.

Explanation: An invalid group ID or group name has been entered. One of the following situations has occurred:

- The given group ID already exists but under a different group name on the system, or the given group name already exists but under a different group ID.
- The given group ID or group name either is too long or consists of invalid characters.
- The given group ID is less than or equal to 100.

User Response: Retry with a different group ID or group name.

DBI1654E The specified directory is invalid.

Explanation: An invalid directory has been entered. One of the following situations has occurred:

- The given user already exists but has a different home directory specified on the system.
- The given directory is either too long or consists of invalid characters.

User Response: Retry with the user's home directory specified on the system or a different directory.

DBI1655E The specified password is invalid.

Explanation: An invalid password has been entered. One of the following situations has occurred:

- The given password has a length of zero.
- The given password does not match with the verify password.
- The given password contains invalid characters.

User Response: Retry with a different password.

DBI1657E Instance name already in use.

Explanation: An instance with the same name already exists on your system.

User Response: Verify with the list of instances as reported by the "db2ilist" command. Retry with a different user name.

DBI1701E One or more of the TCP/IP parameters specified is invalid.

Explanation: One of the following situations has occurred:

- The length of service name exceeds 14 characters.
- The port number specified is out of range. This number must be between 1024 and 65535.

User Response: Correct the problem and try again.

DBI1702E The specified service name or port number conflicts with existing values in the TCP/IP services file.

Explanation: The service name or port number entered by the user conflicts with existing values in the TCP/IP services file. The service name may already be used with a different port number, or the port number may already be used with a different service name.

User Response: Specify a service name and port number that does not conflict with existing entries in the services file.

DBI1703E No valid service name or port number found.

Explanation: No valid service name or port number for this instance can be found in the TCP/IP services file. This information is either missing or is invalid.

If you installed "DB2 Extended Server Edition" product, a service name must be specified for the instance before using this command.

User Response: For more information, refer to the "DB2 Enterprise - Extended Edition". Specify valid service name and port number for this

instance and enter this command again.

DBI1704W TCP/IP is not running on your system.

Explanation: TCP/IP is not running on your system. TCP/IP services file will not be updated.

DBI1709E An error was encountered when updating the TCP/IP services file.

Explanation: An attempt to add a service name and port number to the TCP/IP services file failed.

User Response: If the user wishes to use the service name instead of the port number in the node directory entry, the node must be manually uncatalogued and then recatalogued using the service name. The services file must also be updated manually. If Network Information Services (NIS) is being used, the local services file may have been updated but the NIS server must be updated manually. In this case, the node was also catalogued using the port number.

DBI1711E One or more of the IPX/SPX parameters specified is invalid.

Explanation: One of the following situations has occurred:

- the fileserver, objectname, or ipx_socket parameter is null.
- the fileserver parameter is set to * but objectname is not *.
- the objectname or ipx_socket value specified is not unique.
- the ipx_socket value specified is not in the valid range.

User Response: Correct the problem and try again.

DBI1715E NetWare User ID or NetWare Password is invalid.

Explanation: The NetWare User ID and NetWare Password that you specify must already exist and is used to register the DB2 Object Name at a NetWare file server and must have

supervisory or equivalent authority.

User Response: Correct the problem and try again.

DBI1720E The specified User ID or Group ID cannot be added since NIS is running.

Explanation: NIS is running on your system. A new User ID or Group ID cannot be created while you have NIS running on your system.

User Response: Use a previously created User ID or Group ID and try again.

DBI1722E The specified service cannot be added to the /etc/services file because NIS is running.

Explanation: NIS is running on your system. A new service cannot be added to the /etc/services file while you have NIS running on your system.

User Response: Use a previously created service name and port number from the /etc/services file and try again.

DBI1725W Cannot create Agent Daemon and Logger services for Data Warehouse Agent.

Explanation: TCP/IP is not running on the system. The install will proceed but you need to create Agent Daemon and Logger services manually.

User Response: Activate TCP/IP on the system and run the installer.

DBI1740W Security Risk.

Explanation: Using the default instance user ID here allows this instance to have full access permission to other instances on your system. It is highly recommended to use a different user ID for security reasons.

User Response: To avoid the possibility of a security risk, use a different user ID.

DBI1741W Protocol not detected.

Explanation: You have selected a protocol that is not detected. DB2 Installer cannot update all of the protocol's required settings. However, you can provide values for this protocol's settings.

User Response: No actions required.

DBI1744W The DB2 Data Links Manager Administrator is not created.

Explanation: You have not created the DB2 Data Links Manager Administrator. Without the DB2 Data Links Manager Administrator, you cannot administer the DB2 Data Links Manager.

User Response: No actions required.

DBI1745W The Administration Server is not created.

Explanation: You have not created a Administration Server. Without the Administration Server, you cannot provide services to support client tools that automate the configuration of connections to DB2 databases, and cannot administer DB2 from your server system or a remote client using the Control Center.

User Response: No actions required.

DBI1746W DB2 Instance is not created.

Explanation: You have not created a DB2 Instance. A DB2 Instance is an environment where you store data and run applications.

User Response: No actions required.

DBI1747W The specified directory already exists.

Explanation: The directory specified in the Home Directory field already exists. If you choose to use this directory you may run into permission problems.

User Response: Choose a different directory if this may be a problem.

DBI1750W Security Risk.

Explanation: Using the default instance user ID here allows this instance to have full access permission to other instances on your system. It is highly recommended to use a different user ID for security reasons.

User Response:

- Press OK to continue, or
 - Press Cancel to enter a different user ID.
-

DBI1751W Protocol not detected.

Explanation: You have selected a protocol that is not detected. DB2 Installer cannot update all of the protocol's required settings. However, you can provide values for this protocol's settings.

User Response:

- Press OK to provide protocol settings, or
 - Press Cancel to ignore.
-

DBI1753W The Administration Server is not created.

Explanation: You have not created an Administration Server. Without the DB2 Administration Server, Data Warehouse Agent will not be fully set up.

User Response:

- Press OK to continue, or
 - Press Cancel to go back.
-

DBI1754W The DB2 Data Links Manager Administrator is not created.

Explanation: You have not created the DB2 Data Links Manager Administrator. Without the DB2 Data Links Manager Administrator, you cannot administer the DB2 Data Links Manager.

User Response:

- Press OK to continue, or
 - Press Cancel to go back.
-

DBI1755W The Administration Server is not created.

Explanation: You have not created a Administration Server. Without the Administration Server, you cannot provide services to support client tools that automate the configuration of connections to DB2 databases, and cannot administer DB2 from your server system or a remote client using the Control Center.

User Response:

- Press OK to continue, or
- Press Cancel to go back.

DBI1756W DB2 Instance is not created.

Explanation: You have not created a DB2 Instance. A DB2 Instance is an environment where you store data and run applications.

User Response:

- Press OK to continue, or
- Press Cancel to go back.

DBI1757W The specified directory already exists.

Explanation: The directory specified in the Home Directory field already exists. If you choose to use this directory you may run into permission problems.

User Response:

- Press OK to use this directory, or
- Press Cancel to go back.

DBI1758W DB2 Instance or Administration Server detected.

Explanation: You have selected to removed the entire DB2 product. However, a DB2 Instance or Administration Server has been detected on your system. If you remove the DB2 product without dropping these instances first, your DB2 Instances may not be able to function properly later on.

User Response:

- Press OK to continue, or
- Press Cancel to go back.

DBI1759W DB2 Instance or Administration Server configurations detected.

Explanation: You do not have the Administration Server selected. This will cause all of your Administration Server and DB2 Instance configurations to be discarded.

User Response:

- Press OK to continue, or
- Press Cancel to go back.

DBI1760E To set up *pkg-name*, you will need to install the package.

Explanation: You have chosen to configure a DB2 component for an instance. You will not be able to do so unless the package is installed.

User Response: Install the package and try again.

DBI1761W Software pre-requisites violated on fileset or package *pkg-name*.

Explanation: An error occurred when verifying software pre-requisites on the above fileset or package. Continuing may result in the product not functioning properly. Do you want to continue without installing its pre-requisites?

User Response:

- Press OK to continue without installing its pre-requisites, or
- Press Cancel to abort installation.

DBI1762W Software dependencies violated on fileset or package *pkg-name*.

Explanation: An error occurred when verifying software dependencies on the above fileset or package. Continuing may result in removing all of its software dependencies. Do you want to remove its software dependencies?

User Response:

- Press OK to continue, or

- Press Cancel to go back.

DBI1763I **English HTML documentation files will also be installed.**

Explanation: The English HTML documentation files are required when you select any non-English HTML documentation files for installation. This is to ensure that users will be able to search the entire DB2 documentation library.

DBI1765W **A non-existing user ID, *InstName*, has been detected from the registry.**

Explanation: The registry is containing a non-existing user ID. This can be caused by just removing the instance user ID without first dropping the instance. This will not affect the normal operation of DB2, but it is recommended to remove this obsolete user ID from the instance list in the registry.

User Response: To remove this user ID from the registry with the command: `db2iset -d "<InstName>"`

DBI1766W **Cannot change the secondary group list of *userId*.**

Explanation: A code, "`<code>`", is returned when attempting to change the secondary group list of the given user ID. One of the following situations has occurred:

- NIS is running.
- One or more processes are currently being executed under the given user ID.

User Response: You must add the group ID, "`<groupId>`", to the secondary group list of the user ID, "`<userId>`", so that the Administration Server can function properly.

- If there happens to be any process run under the given user ID, terminate all of these processes and follow the instructions above to setup the secondary group list of this user ID.

- If you are running this command on an NIS client, try the above instructions to setup the secondary group list of this user ID on your NIS server.

DBI1767W **DB2 registry may contain corrupted information.**

Explanation: The registry may contain invalid instance information. This is probably due to the fact that an instance or the Administration Server is not deleted properly before removing the DB2 product. If you are re-installing the product and want to keep the existing instance information in the registry, press Cancel. Otherwise, press OK to re-create the registry. Do you want to re-create the registry?

User Response:

- Press OK to re-create the registry, or
- Press Cancel to keep the current registry information.

DBI1768W **Unable to add *db2profile* to the .profile file or *db2cshrc* to the .login file of user *inst-name*.**

Explanation: DB2 has failed to modify the .profile file or the .login file of this user. These files may not exist, or you may not have write permission to them. Without the modification you need to set your environment manually each time when you log in as this user to use DB2.

User Response: Add the following line to the .profile file or the .login file:

```
. db2profile to the .profile file, or  
source db2cshrc to the .login file
```

See the Quick Beginning Guide for more details on how to set the DB2 environment automatically.

DBI1769W **Unable to remove DB2 profile entry from the .profile or the .login file of *inst-name*.**

Explanation: DB2 has failed to comment out the DB2 environment setting line in the .profile file

or the .login file of this user. The next time you log in as this user, you may get a message saying that the file db2profile (or db2cshrc) cannot be found. There can be different reasons:

- The two files (.profile and .login) may not exist.
- You may not have write permission on these files.

User Response: If you receive a message concerning missing db2profile or db2cshrc, locate your .profile or .login file and comment out the following:

```
. sqllib/db2profile    from your .profile file
source sqllib/db2cshrc from your .login file
```

DBI1770E Unable to update the file /etc/vfs.

Explanation: The following DB2 Data Links Manager specific entry is required in the /etc/vfs file:

```
dlfs dlfs_num /sbin/helpers/dlfs_mnhelp none
```

where dlfs_num is to be set to 12, or some number between 8 and 15 if 12 is already assigned to another fs. The installation process has failed to insert this line into the /etc/vfs file. There may be different reasons:

- You do not have write permission to this file.
- The range 8-15 is all taken up, no number can be assigned to dlfs.

User Response: Manually edit the /etc/vfs file, and add the entry for dlfs into this file.

DBI1771I File /etc/vfs has been copied to /tmp/.db2.etcvfs.backup.

Explanation: For DB2 Data Links Manager to work, the following line has to be inserted into the /etc/vfs file:

```
dlfs dlfs_num /sbin/helpers/dlfs_mnhelp none
```

A backup copy of the original /etc/vfs file has been placed in /tmp/.db2.etcvfs.backup.

DBI1775W Modified an existing /etc/rc.dlfs file.

Explanation: DB2 has modified an existing /etc/rc.dlfs file with the new dlfs file system mount entry.

User Response: Examine the file /etc/rc.dlfs to ensure that all entries are correct.

DBI1780W DB2 Data Links Manager is not supported on the version of your current operating system.

Explanation: The version of your current operating system is not supported to run DB2 Data Links Manager. However, you can still install and configure the product at your own risk. The following is a list of supported operating systems for DB2 Data Links Manager:

- “<OSlist>”

DBI1781E Usage: -l <language> -t <topic> [-p <path>] [-d]

Valid topics include:

core Core DB2 Information

admin Administration Information

ad Application Development Information

wareh Business Intelligence Information

conn DB2 Connect Information

start Getting Started Information

tutr Tutorial Information

opt Optional Component Information

Valid languages include:

DBI1782E No language specified.

Explanation: You must specify at least one language from those available.

User Response: Issue the command with no parameters for a complete list.

DBI1783E No topics specified.

Explanation: You must specify at least one topic from those available.

User Response: Issue the command with no parameters for a complete list.

DBI1784E Language not available.

Explanation: You specified a language that is not available for installation.

User Response: Issue the command with no parameters for a complete list.

DBI1785E Topic Package not available.

Explanation: You specified a documentation package that is not available for installation.

User Response: Issue the command with no parameters for a complete list.

DBI1790E ODSSI utilities have not been installed, unable to create DB2 search index.

Explanation: ODSSI utilities have not been installed. These utilities (config_search, config_view and config_help) are required to create the search index for the DB2 online documentation.

User Response: Install the ODSSI utilities, then run the following commands:

```
/opt/IBM/db2/V8.x/doc/db2insthtml lang_locale,  
where x is 1 or FPN,  
where n is the FixPak number
```

to create the search index for DB2 documentation in the language locale lang_locale. Note that whenever you install documentation in any

language, English documentation is installed as well. So you should also run the following command to index the English files:

```
/opt/IBM/db2/V8.x/doc/db2insthtml en_US,  
where x is 1 or FPN,  
where n is the FixPak number
```

DBI1791W Possible error in creating/removing DB2 search index for html file.

Explanation: DB2 runs the system utilities config_view and config_help to create or remove DB2 search index to be used with SCOHELP. However, error messages may be returned if there exists other non-DB2 indexes on the system that have not been created/removed properly.

User Response:

- If you were creating the DB2 index, you can start up SCOHELP and check to see if the DB2 entry has been added to the topics panel. Test searching for a string like "TCP/IP" and see if you get any results. If you are able to do the search, DB2 search index has been created successfully.
 - If you were removing the DB2 index, you can start up SCOHELP and verify that the DB2 entry has been removed from the topics panel. If the entry is gone, then the DB2 index has been successfully removed.
 - If you cannot verify that the DB2 index has been successfully created or removed, contact IBM support.
-

DBI1792I Creating search index for DB2 documentation files, please wait ...

Explanation: Search index for DB2 documentation files are being created. Depending on the language(s) you have selected, this may take some time.

DBI1793W The user ID userID is unknown.

Explanation: The specified user is unknown or cannot be found on the current system.

User Response: Please verify that the user

exists on this system and try again.

DBI1794E **Attempt to put too many icons into one group.**

Explanation: An attempt has been made to place more icons into the required folder than are allowed by the desktop manager.

User Response: Please remove any unnecessary icons from your desktop and retry the command.

DBI1795E **There is insufficient free memory to create all the required icons.**

Explanation: The icon creation utility ran out of memory during icon generation.

User Response: Close any unnecessary programs and try again.

DBI1796W **Attempt to create icons in a directory without proper permissions.**

Explanation: This user ID does not have the permissions required to create icons for the requested user.

User Response: Log on as a user with root authority or with the permissions required to create files in the user directory and retry the command.

DBI1797I **Icons successfully created.**

DBI1900N **The Windows NT Cluster support is not accessible.**

Explanation: DB2 is unable to access the Windows NT Cluster.

User Response: Ensure the Windows NT Cluster support has been correctly installed and the Cluster Service has been started.

DBI1901N **An error occurred when attempting to update the user rights for the DB2/NT cluster service.**

Explanation: DB2 encountered an error when attempting to grant the necessary user rights to the account specified for use with the DB2 service.

User Response: Ensure a valid account has been specified and that you have the necessary privilege to grant user rights.

DBI1902N **An error occurred when attempting to update the DB2/NT cluster service configuration.**

Explanation: DB2 encountered an error when attempting to update the DB2/NT cluster service configuration.

User Response: Ensure the Service Database has not been locked and is accessible. Also ensure the DB2/NT Cluster Service has been created.

DBI1903N **An error occurred when accessing the Cluster registry.**

Explanation: DB2 encountered an error when attempting to read or update the Windows NT Cluster registry.

User Response: Ensure the Windows NT Cluster support has been correctly installed and the Cluster Service has been started. Ensure that the current logon user account has sufficient authority to access the Cluster registry.

DBI1904N **The DB2 instance is not Clustered.**

Explanation: DB2 attempted to access an instance to perform cluster operations but the instance was not identified as a DB2 Cluster instance.

User Response: Verify the instance was created with the Cluster options. The instance may be dropped and re-created using the Cluster option but the Node directory, Database Directory, and Database Manager Configuration file will be lost.

DBI1905N A System Error occurred during a DB2 Cluster operation.

Explanation: A system error was detected while DB2 was performing a Cluster operation.

User Response: Check to make sure the Windows NT operating system is at the correct level for Cluster Support.

Also ensure the Windows NT Cluster support has been correctly installed and the Cluster Service has been started.

DBI1906N A error occurred while attempting to add a node to a DB2 Cluster instance.

Explanation: An error was encountered while attempting to update a node to support a DB2 Cluster instance.

User Response: Ensure the remote system is on-line and accessible over the LAN. Also ensure you have the necessary privilege to update the Registry on the remote system.

DBI1907N A error occurred while attempting to delete a node from a DB2 Cluster instance.

Explanation: An error was encountered while attempting to delete a node from a DB2 Cluster instance.

User Response: Ensure the remote system is on-line and accessible over the LAN. Also ensure you have the necessary privilege to update the Registry on the remote system.

A workstation cannot drop cluster support from itself. The instance must be dropped to perform this task.

DBI1908N A error occurred while attempting create the instance profile on a remote system.

Explanation: A error was detected while attempting to create the instance profile on a remote system to enable Cluster Support.

User Response: Ensure the remote system is

on-line and accessible over the LAN. Also ensure you have the necessary privilege to update the Registry on the remote system.

DBI1909N A error occurred while attempting delete the instance profile on a remote system.

Explanation: A error was detected while attempting to delete the instance profile on a remote system to disable Cluster Support.

User Response: Ensure the remote system is on-line and accessible over the LAN. Also ensure you have the necessary privilege to update the Registry on the remote system.

DBI1910N Usage : DB2NCRT -I:Instance-Name -C:cluster-node

Explanation: The user specified incorrect arguments to the DB2NCRT command.

User Response: Re-issue the command specifying a clustered instance and a valid workstation name for the cluster node.

DBI1911N Usage : DB2NLIST -I:Instance-Name

Explanation: The user specified incorrect arguments to the DB2NLIST command.

User Response: Re-issue the command specifying a clustered instance.

DBI1912I The DB2 Cluster command was successful.

Explanation: The user request was successfully processed.

User Response: No action required.

DBI1913N Unable to connect to the remote machine registry.

Explanation: DB2 encountered an error when attempting to connect to the Windows NT registry on a remote machine.

User Response: Ensure that the target machine

is running and that the computer name specified is correct. Also ensure that the current logon user account has sufficient authority to connect to the remote machine registry.

DBI1914N Unable to connect to the Cluster registry.

Explanation: DB2 encountered an error when attempting to connect to the Windows NT Cluster registry.

User Response: Ensure that the Windows NT Cluster support has been correctly installed and the Cluster Service has been started.

DBI1915N The target machine does not belong to the Windows NT Cluster.

Explanation: The command failed for one of the following reasons:

- (1) The db2iclus utility attempted to remove a machine from a DB2 MSCS instance but the target machine had not been added to the DB2 MSCS instance, or
- (2) The db2iclus utility attempted to add a machine to a DB2 MSCS instance but the target machine does not have the required Windows NT Cluster support software installed.

User Response: Follow the action corresponding to the cause of the problem:

- (1) Ensure that the machine is part of the DB2 MSCS instance by running the "db2iclus list" command, or
- (2) Install the Windows NT Cluster software on the target machine and issue the command again.

DBI1916N The instance name specified is not valid.

Explanation: The instance specified by the instance name parameter does not exist for the local machine.

User Response: To find a list of valid instances, run the db2ilist command. Issue the command again using a valid instance name.

DBI1918N An error occurred when accessing the Windows NT registry.

Explanation: DB2 encountered an error when attempting to read or update the Windows NT registry of the target machine.

User Response: Ensure that the current logon user account has sufficient authority to access the Windows NT registry of the target machine. If the problem persists, contact your IBM service representative for assistance.

DBI1919N An error occurred when accessing the TCP/IP services file.

Explanation: DB2 encountered an error when reading or updating the TCP/IP services file.

User Response: Ensure that the services file exists in the system and that the file can be accessed for read and write authority. Also, ensure that the contents of the file are valid and no duplicate of entries exist in the services file.

DBI1920N The DB2 instance profile path parameter is not valid.

Explanation: DB2 is unable to access the DB2 instance profile path specified because the path does not exist or write access has not been given to the current logon user account.

User Response: Ensure that the path name for the DB2 instance profile points to a valid directory and that the current logon user account has write access to the directory.

DBI1921N The user account or password is not valid.

Explanation: The user account or the password is not valid.

User Response: Issue the command again with the correct account.

DBI1922N The host name is not valid.

Explanation: The TCP/IP host name parameter is not valid or does not exist.

User Response: Ensure that TCP/IP is operational on the system. If a domain name server is used, ensure that the domain name server machine is active. Issue the command again using the correct TCP/IP host name.

DBI1923N The TCP/IP port range parameter is not specified.

Explanation: The db2icrt utility requires the TCP/IP port range to be specified when creating a partitioned database instance if the entries for TCP/IP port range for the instance have not been added to the services file.

User Response: Choose a range of TCP/IP ports that are available for the system and issue the db2icrt command again with the -r option.

DBI1924N The computer name is not valid.

Explanation: The computer name parameter is not valid

User Response: Ensure that the target machine is running and that the computer name specified is correct. Also ensure that the current logon user account has sufficient authority to connect to the target machine registry.

DBI1925N Unable to query the status of the DB2 service.

Explanation: DB2 is unable to query the service status for the DB2 service.

User Response: Ensure that the DB2 service exists on the target machine. Ensure that the current logon user account has sufficient authority to query the service status on the target machine.

DBI1926N The password is expired.

Explanation: The account password has expired.

User Response: Change your password, then retry the request using the new password.

DBI1927N Usage:

```
db2iclus { ADD /u:Username,Password
           [/m:Machine name] |
           DROP [/m:Machine name] |
           MIGRATE /p:Instance profile path
           UNMIGRATE }
           [/i:instance name]
           [/DAS DASname]
           [/c:Cluster name]
```

Explanation: Valid arguments for this command are:

ADD to add an MSCS node to a DB2 MSCS instance

DROP to remove an MSCS node from a DB2 MSCS instance

MIGRATE
to migrate a non-MSCS instance into an MSCS instance

UNMIGRATE
to undo the MSCS migration

Valid options for this command are:

/DAS to specify the DAS instance name. This option is required when performing the cluster operation against the DB2 Administration Server.

/c to specify the MSCS cluster name if different from the default/current cluster

/p to specify the instance profile path. This option is required when migrating a non-MSCS instance into an MSCS instance

/u to specify the account name and password for the DB2 service. This option is required when adding another MSCS node to the DB2 MSCS partitioned database instance

/m to specify the remote computer name for adding or removing an MSCS node

i to specify the instance name if different from the default/current instance

User Response: Enter the command again using valid parameters

DBI1928N The user account is not specified.

Explanation: When creating a partitioned database instance or adding a node to a partitioned database instance, you must specify the user account parameter. Under the Windows NT environment, each database manager partition (or MPP node) is required to run under a valid Windows NT account to access the network share which contains the instance directory.

User Response: Issue the command again with the -u option to specify the user account name and password.

DBI1929N The instance is already configured for MSCS support.

Explanation: An attempt to migrate an instance into an MSCS instance failed because the instance is already configured for MSCS support.

User Response: No action required.

DBI1930N The target machine is already part of the DB2 MSCS instance.

Explanation: An attempt to add an MSCS node to the DB2 MSCS instance failed because the target machine is already part of the DB2 MSCS instance.

User Response: No action is necessary.

DBI1931N The database partition server (node) is active.

Explanation: The database partition server can not be dropped or modified because it is active.

User Response: Ensure that the database partition server is stopped before attempting to drop or change it. To stop a database partition server, use the db2stop command as follow:

db2stop nodenum <node-number>

DBI1932N Can not add the database partition server on a remote machine because the same instance on that machine already exists.

Explanation: The db2nprt command failed to add a new database partition server on a remote machine because there is an existing instance on the remote machine.

User Response: If the instance on the remote machine is no longer used, remove the instance by running the db2idrop command on the remote machine.

DBI1933N The database partition server can not be moved to a new machine because there is existing database(s) in the system.

Explanation: When the db2nchg command is issued with the /m:machine option, the command will move the database partition server to a new machine. The db2nchg will fail if there is existing database(s) in the system.

User Response: To move the database partition server to a new machine when there is database(s), use the db2start restart command. For more information on the db2start command, refer to the DB2 Command Reference.

DBI1934N Usage:

```
db2iupdt InstName
/u:username,password
[/p:instance profile path]
[/r:baseport,endpoint]
[/h:hostname]
```

Explanation: An invalid argument was entered for the db2iupdt command. Valid arguments for this command are:

InstName

the name of the instance

/u to specify the account name and password for the DB2 service. This

option is required when creating a partitioned database instance.

/p to specify the new instance profile path for the updated instance.

/r to specify a range of TCP/IP port to be used by the partitioned database instance when running in MPP mode. The services file of the local machine will be updated with the following entries if this option is specified:

```
DB2_InstName      baseport/tcp
DB2_InstName_END  endport/tcp
```

/h to override the default TCP/IP hostname if there are more than one TCP/IP hostname for the current machine.

User Response: Enter the command again using valid arguments.

DBI1935N The db2iupdt command failed to update the instance directory.

Explanation: The db2iupdt command failed to update the instance directory because of one of the following reasons:

- (1) the db2audit.cfg file is missing from the \SQLLIB\CFG directory.
- (2) the db2iupdt command does not have the required authority to create files or sub-directories within the instance directory.

User Response: Ensure that the db2audit.cfg file exists in the \SQLLIB\CFG directory and that the current logon account has sufficient authority to create files and directories in the instance directory. The instance directory is located in \SQLLIB\InstName (where InstName is the name of the instance).

DBI1936N The db2iupdt command failed to update the database manager configuration file.

Explanation: The db2iupdt command failed to update the database manager configuration file

because the previous database manager configuration file is corrupted or missing. The current instance is in inconsistent state and can not be used.

User Response: Copy the default database manager configuration file to the instance directory then re-submit the command. The instance directory is located in \SQLLIB\InstName. The default database manager configuration file is named db2system and can be found in the \sqllib\cfg directory.

DBI1937W The db2ncrt command successfully added the node. The node is not active until all nodes are stopped and started again.

Explanation: The db2nodes.cfg file is not updated to include the new node until all nodes are simultaneously stopped by the STOP DATABASE MANAGER (db2stop) command. Until the file is updated, the existing nodes cannot communicate with the new node.

User Response: Issue db2stop to stop all the nodes. When all nodes are successfully stopped, issue db2start to start all the nodes, including the new node.

DBI1940N The DB2 Administration Server is active.

Explanation: The DB2 Administration Server cannot be modified because it is active.

User Response: Ensure that the DB2 Administration Server is stopped before attempting to change it. To stop the DB2 Administration Server, use the db2admin command as follows:

```
db2admin stop
```

DBI1941W The DB2 Administration Server does not exist.

Explanation: The DB2 Administration Server was not found on the machine.

User Response: Create the DB2 Administration Server on the machine.

DBI1942N The DB2 Administration Server already exists on the target machine.

Explanation: The operation could not be completed because the DB2 Administration Server already exists on the target machine.

User Response: Remove the DB2 Administration Server from the target machine and retry the operation.

DBI1943N The DB2 Administration Server is not Clustered.

Explanation: DB2 attempted to access a DB2 Administration Server to perform cluster operations but the DB2 Administration server is not configured for MSCS support.

User Response: Verify the DB2 Administration Server is configured for MSCS support.

DBI1944N The DB2 Administration Server is already configured for MSCS support.

Explanation: An attempt to migrate a DB2 Administration Server failed because the DB2 Administration Server is already configured for MSCS support.

User Response: No action required.

DBI1950W The instance *instance-name* is already in the instance list.

Explanation: The instance that is being created or migrated is already in the instance list.

User Response: Verify that the list of instances as reported by the db2ilist command is correct.

DBI1951W The instance *instance-name* was not found in the instance list.

Explanation: The specified instance was not found in the instance list.

User Response: Verify that the list of instances as reported by the db2ilist command is correct.

DBI1952E The instance name *instance-name* is invalid.

Explanation: The instance name is invalid. It cannot:

1. be more than 8 characters long.
2. start with "sql", "ibm" or "sys".
3. start with a numeral or contain characters other than a-z, \$, #, @, _, or 0-9.

User Response: Try the command again with a valid instance name.

DBI1953E The instance is active.

Explanation: An attempt was made to drop an instance which is active.

User Response: Make sure all applications that are using the instance have finished executing before stopping the instance by issuing a db2stop (from that instance's user ID.)

DBI1954E The instance name is currently used by the DB2 Admin Server.

Explanation: The instance cannot be created because it is currently used by the DB2 Admin Server.

User Response: Try the command again with a different instance name.

DBI1955E Usage: db2idrop [-h] [-f] InstName

Explanation: An incorrect argument was entered for the db2idrop command. Valid arguments for this command are:

- h display the usage information
- f is the force applications flag. If this flag is specified then all applications using the instance will be forced to terminate.

InstName
is the name of the instance

User Response: Enter the command again as follows:

db2idrop [-h] [-f] InstName

DBI1956E Usage: db2ilist [-w 32|64] [-p] [-a] [inst_name]

Explanation: An incorrect argument was entered for the db2ilist command. Valid arguments for this command are:

- h display the usage information
- w 32|64 lists the 32 or 64 bit instances. The -w option can be used with the -p option, and is superseded by the -a option.
- p lists the DB2 install path that an instance is running from. The -p option can be used with the -a option, and is superseded by the -a option.
- a returns all relevant information including the DB2 install path associated with an instance, as well as its bitwidth information (32 or 64).

inst_name returns the information for the specified instance. If no instance is named, db2ilist returns information on all instances of the current DB2 release.

User Response: Enter the command again as follows:

```
db2ilist [-w 32|64] [-p] [-a] [inst_name]
```

DBI1957E The syntax of the db2icrt command is incorrect.

Explanation: The db2icrt utility creates a database instance:

```
db2icrt InstName [-s {ese|wse|client|standalone}]
                [-p instance profile path]
                [-u username,password]
                [-h hostname]
                [-c Cluster name]
                [-r baseport,endport]
                [-?]
```

The command options are:

- s to specify the type of instance created:

- ese for Enterprise Server Edition
- wse for Workgroup Server Edition
- client for client
- standalone for database server with local clients

- p to specify the instance profile path.
- u to specify the account name and password for the DB2 service. This option is required when creating an ese instance.
- h to override the default TCP/IP hostname if there are more than one TCP/IP hostname for the current machine. The TCP/IP hostname is used when creating the default node (node 0).
- c to specify the MSCS cluster name. This option is specified to create a DB2 instance that supports MSCS.
- r to specify a range of TCP/IP port to be used by the partitioned database instance when running in MPP mode. The services file of the local machine will be updated with the following entries if this option is specified:

```
DB2_InstName    baseport/tcp
DB2_InstName_1  baseport+1/tcp
DB2_InstName_2  baseport+2/tcp
DB2_InstName_END endport/tcp
```

- ? to display help

User Response: Enter the command again using the valid parameters.

DBI1958N The instance profile cannot be added to the registry.

Explanation: An error occurred when adding the instance profile to the registry. The instance was not created.

User Response: Contact your IBM service representative.

DBI1959N The instance directory cannot be created.

Explanation: An error occurred when creating the required files or directories for the new instance. The instance was not created.

User Response: Ensure that you have write access to the location where the instance directory is created. The instance directory is created under the path where the product is installed. You may use the DB2INSTPROF Profile Variable to specify a different location for the instance directory.

DBI1960N The DB2 service cannot be created.

Explanation: An error occurred when registering a DB2 service because of one of the follow reasons:

1. A service of the same name already exists or was marked as deleted but not cleaned up until the next system reboot.
2. You don't have sufficient access to create a Windows service

User Response:

1. Ensure that the name of the instance does not match any of the existing Windows services. The list of services in the system can be found in the Windows registry under HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services. If the service was marked as deleted, you have to reboot the machine to have the service removed from the system.
2. Log on to a user account that belongs to the local Administrators group and retry the operation.

DBI1961N The node key for the new instance cannot be added to the registry.

Explanation: An error occurred when adding a node key for the new instance in the instance profile registry.

User Response: Contact your IBM service representative.

DBI1962N The new node can not be added to the registry.

Explanation: An error occurred when adding the new node to the instance profile registry.

User Response: Contact your IBM service representative.

DBI1963N An error occurred when granting the user rights to the account for the instance.

Explanation: When configuring the account for the DB2 Service, the account must be granted the user rights :

1. Act as part of the operating system
2. Create a token object
3. Increase quota
4. Logon as a service
5. Replace a process level token

An error occurred when granting the user rights to the account for the instance.

User Response: If the machine belongs to an NT domain, ensure that the primary domain controller is active and accessible over the network. Otherwise, contact your IBM service representative.

DBI1964N The logon account cannot be assigned to the DB2 service.

Explanation: An error occurred when assigning a logon account to the DB2 service.

User Response: Ensure user that the user name and the password for the logon account is valid.

DBI1965N The node *node-number* was not found in the node list.

Explanation: The specified node was not found in the node list.

User Response: Verify that the node exists by

displaying the list of nodes using the DB2NLIST command.

DBI1966N The node cannot be deleted from the registry.

Explanation: An error occurred when removing the specified node from the instance profile registry.

User Response: Contact your IBM service representative.

DBI1967N The DB2 service cannot be de-registered.

Explanation: An error occurred when de-registering a DB2 service.

User Response: Ensure that you have sufficient authority to delete an NT service.

DBI1968N An error occurred when changing the node configuration in the profile registry.

Explanation: An error occurred when changing the node configuration in the profile registry.

User Response: Contact your IBM service representative.

DBI1969N An error occurred when creating a new file in the instance directory.

Explanation: An internal error occurred when creating a new file in the instance directory.

User Response: Ensure that you have write access to the instance directory.

DBI1970N An error occurred when reading from or writing to a file in the instance directory.

Explanation: An internal error occurred when reading from or writing to a file in the instance directory.

User Response: Contact your IBM service representative.

DBI1971N The instance profile cannot be removed from the registry.

Explanation: An error occurred when removing the instance profile from the registry.

User Response: Contact your IBM service representative.

DBI1972N The instance directory cannot be removed.

Explanation: An error occurred when removing the required files or directories belonging to the specified instance.

User Response: Ensure that you have write access to the location where the instance directory is located.

DBI1973N An attempt to configure the DB2 service to start automatically failed.

Explanation: An error occurred when setting the DB2 service to start automatically.

User Response: Reboot the machine and try the command again. If the problem persists, contact your IBM service representative.

DBI1974N The profile variable DB2ADMINSERVER cannot be set in the profile registry.

Explanation: An error occurred when setting the profile variable DB2ADMINSERVER in the profile registry.

User Response: Contact your IBM service representative.

DBI1975N The environment variable DB2ADMINSERVER cannot be removed from the profile registry.

Explanation: An error occurred when removing the environment variable DB2ADMINSERVER in the profile registry.

User Response: Contact your IBM service representative.

DBI1980W Unable to create user ID *userID* in UPM.

Explanation: The user ID that you provided during product installation could not be created in User Profile Management (UPM). This user ID is required to start the DB2 Administration Server.

User Response: Manually create a user ID and password using UPM and then manually start the DB2 Administration Server. You may need to set the DB2 Administration Server to use this user ID and password combination using the "db2admin" command.

Chapter 8. DBT Messages

DBT1000I The tool completed successfully.

Explanation: The tool's processing completed without any errors.

User Response: No further action is required.

DBT1001N The syntax of the DB2INIDB tool is incorrect.

Explanation: The DB2INIDB tool has the following syntax:

```
db2inidb <database_alias> AS < SNAPSHOT | STANDBY | MIRROR >copied to file-name2.  
[ RELOCATE USING config_file ]
```

User Response: Resubmit the command using the correct syntax.

DBT1002N Database name *database-name* is invalid.

Explanation: The database name specified in the command is not valid. The database name must contain 1 to 8 characters and all of the characters must be from the database manager base character set.

User Response: Resubmit the command using a valid database name.

DBT1003N Unable to find program *program-name*.

Explanation: An attempt to execute the specified program failed because it could not be found.

User Response: Ensure that the specified program exists and verify that the program's path exists in the PATH environment variable. Correct the problem and resubmit the command.

DBT1004N Unable to execute program *program-name*.

Explanation: An error occurred while attempting to execute the specified program.

User Response: Ensure that the specified program exists and that it contains the appropriate file permissions. Correct the problem and resubmit the command.

DBT1005N The file *file-name1* could not be copied to *file-name2*.

Explanation: An error occurred when attempting to duplicate the specified file. The command could not be processed successfully.

User Response: Ensure that the specified source file exists and that it contains the appropriate file permissions, and ensure that the specified target file does not already exist. Correct the problem and resubmit the command.

DBT1006N The file/device *file-device-name* could not be opened.

Explanation: An error occurred while attempting to open the specified file/device.

User Response: Ensure that the file/device exists and that its permissions are correct. Correct the problem and resubmit the command.

DBT1007N An error occurred while attempting to perform operation *operation-name* on file/device *file-device-name*.

Explanation: An attempt to perform the specified operation on the given file/device was unsuccessful.

User Response: Possible solutions include:

- Ensure that there is sufficient disk space.
- Ensure that the file permissions are correct.

Correct the problem and resubmit the command. If the problem persists, contact your technical service representative.

DBT1008N Database *database-name* is not a split mirror image.

Explanation: An attempt was made to use the DB2INIDB tool on a database that is not a split mirror image.

A split mirror image is a mirrored copy of a database that is taken while I/O writes are suspended. I/O writes can be suspended using the following command while being connected to the database:

```
SET WRITE SUSPEND FOR DATABASE
```

Once the split mirror image has been taken, I/O writes on the primary database can be resumed with the following command:

```
SET WRITE RESUME FOR DATABASE
```

Before the split mirror image can be used, the DB2INIDB tool must be run in order to remove its suspended state and initialize it by either performing crash recovery or placing it in rollforward pending state.

User Response: Resubmit the command using a split mirror image database.

DBT1009N Database *database-name* is not a recoverable database.

Explanation: An attempt was made to use the STANDBY or MIRROR option of the DB2INIDB tool with a non-recoverable split mirror image database. The STANDBY and MIRROR options require the split mirror image to be recoverable.

A split mirror image is a mirrored copy of a database that is taken while I/O writes are suspended. I/O writes can be suspended using the following command while being connected to the database:

```
SET WRITE SUSPEND FOR DATABASE
```

Once the split mirror image has been taken, I/O writes on the primary database can be resumed with the following command:

```
SET WRITE RESUME FOR DATABASE
```

Before the split mirror image can be used, the DB2INIDB tool must be run in order to remove its suspended state and initialize it by either performing crash recovery or placing it in rollforward pending state.

The purpose of the STANDBY and MIRROR options are to place the split mirror image in rollforward pending state to permit logs from the primary database to be applied. The primary database must retain the log records for them to be available to the split mirror image database.

User Response: Resubmit the command using a split mirror image of a recoverable database. A database can be made recoverable by turning on the LOGRETAIN database configuration variable.

DBT1010N The split mirror image database *database-name* has been previously initialized as a snapshot.

Explanation: An attempt was made to use the STANDBY or MIRROR option of the DB2INIDB tool on a split mirror image that was previously initialized with the SNAPSHOT option. The STANDBY and MIRROR options can no longer be used to rollforward the log files from the primary database because the SNAPSHOT option caused this split mirror image to start a new log chain.

A split mirror image is a mirrored copy of a database that is taken while I/O writes are suspended. I/O writes can be suspended using the following command while being connected to the database:

```
SET WRITE SUSPEND FOR DATABASE
```

Once the split mirror image has been taken, I/O writes on the primary database can be resumed with the following command:

```
SET WRITE RESUME FOR DATABASE
```

Before the split mirror image can be used, the DB2INIDB tool must be run in order to remove its suspended state and initialize it by either performing crash recovery or placing it in rollforward pending state.

User Response: Resubmit the command with a new split mirror image database.

DBT1011N **Unable to restart database**
database-name **with the WRITE**
RESUME option. SQLCODE =
sqlcode.

Explanation: An attempt to restart the specified database with the WRITE RESUME option failed.

User Response: Verify the specified SQLCODE, correct the problem and resubmit the command.

DBT1012N **Unable to perform operation**
operation-name **on the database**
directory.

Explanation: An attempt to perform the specified operation on the database directory was unsuccessful.

Possible reasons include:

- The database manager could not process the request due to an insufficient amount of memory in the system.
- No database entries were found in the system database directory.
- The database does not exist in the system database directory.

User Response: Possible solutions include:

- Ensure that there are sufficient system resources available.
- Ensure that the database is cataloged correctly.

Correct the problem and resubmit the command.

DBT1013N **The database** *database-name* **could**
not be found.

Explanation: The specified database is not an existing database or the database could not be found in the local or system database directories.

User Response: Ensure that the specified database name exists in the system database directory. If the database name does not exist in the system database directory, then the database either does not exist or the database name has not been cataloged.

If the database name appears in the system database directory and the entry type is INDIRECT, ensure that the database exists in the specified local database directory.

DBT1014N **The instance name could not be**
determined.

Explanation: An attempt to determine the current instance name was unsuccessful.

User Response: Ensure that the DB2INSTANCE environment variable is set to the current instance name. Correct the problem and resubmit the command.

DBT1015N **Unable to allocate memory.**

Explanation: During processing, there was not enough memory to continue processing.

User Response: Possible solutions include:

- Ensure that your system has sufficient real and virtual memory.
- Remove background processes.

DBT1016N **Table space files** *file-name1* **and**
file-name2 **are different sizes.**

Explanation: The two specified table space files have a different size even though they are supposed to be identical.

User Response: Contact your technical service representative with the following information:

- Problem description
- Contents of the table space catalog table
- Table space files

DBT1017N The syntax of the DB2RELOCATEDB tool is incorrect.

Explanation: The DB2RELOCATEDB tool has the following syntax:

```
db2relocatedb -f <config_file>
```

<configFile>: Name of file containing configuration information.

File format is:

```
DB_NAME=oldName,newName
DB_PATH=oldPath,newPath
INSTANCE=oldInst,newInst
NODENUM=nodeNumber
LOG_DIR=oldDirPath,newDirPath
CONT_PATH=oldContPath1,newContPath1
CONT_PATH=oldContPath2,newContPath2
...
```

Notes:

- Database name, database path, and instance name are all required fields. If one of these fields is not changing then it is not necessary to list the old and new value for it, just give the old/current one.
- Blank lines or lines beginning with a comment character (#) will be ignored.

User Response: Resubmit the command using the correct syntax.

DBT1018N *field-name* is a required field in the configuration file.

Explanation: The specified field is a required field and does not exist in the configuration file.

User Response: Add the specified field information to the configuration file and then resubmit the command.

DBT1019N Invalid database path specified in the configuration file.

Explanation: The specified database path in the configuration file is invalid.

On Windows, the database path must include the drive letter followed by a colon character. On

other platforms, the database path must be absolute and end with a path separator.

User Response: Correct the erroneous database path and resubmit the command.

DBT1020N The configuration file contains an invalid entry at line *line-number*. Reason code = *reason-code*.

Explanation: You cannot relocate with the DB2RELOCATEDB tool until the following condition indicated by the reason code is resolved:

- 1 The specified line is longer than the maximum number of characters.
- 2 A field was specified but no values follow it.
- 3 A field has been specified more than once.
- 4 Either the old or new database name contains too many characters.
- 5 Either the old or new database path name contains too many characters.
- 6 Either the old or new instance name contains too many characters.
- 7 An invalid node number has been specified in the NODENUM entry.
- 8 Either the old or new log directory path contains too many characters.
- 9 Either the old or new container name contains too many characters.
- 10 A duplicate container name in a CONT_PATH entry has been found.
- 11 The specified line is invalid.

User Response: The action corresponding to the reason code is:

- 1 Ensure that the specified line contains at most 1000 characters.
- 2 Ensure that the necessary values are specified for the field in question.

- 3 Ensure that the field in question is only specified once.
- 4 Ensure that the old and new database names contain no more than 8 characters.
- 5 Ensure that the old and new database path names contain no more than 215 characters.
- 6 Ensure that the old and new instance names contain no more than 8 characters.
- 7 Ensure that the node number contains no more than 4 digits.
- 8 Ensure that the old and new log directory paths contain no more than 242 characters.
- 9 Ensure that the old and new container names contain no more than 256 characters.
- 10 Ensure that each container name is only specified once in a CONT_PATH entry.
- 11 Verify the validity of the line in question.

Correct the problem and resubmit the command.

DBT1021N The total size of all container names is too large.

Explanation: The total space required to store the list of containers exceeds the space allotted for a given table space in the table space file.

User Response: Try one or more of the following:

- Use symbolic links, mounted file systems, etc. to shorten the new container names.
- Back up the table space and then use the database administration utility to reduce the number and/or name lengths of the containers. Restore the table space to the new containers.

Correct the problem and resubmit the command.

DBT1022N The DB2RELOCATEDB tool must be run under instance *instance-name*.

Explanation: An attempt has been made to run the DB2RELOCATEDB tool from an incorrect instance. If the instance is changing then the tool should be run from the new instance.

User Response: Resubmit the command using the correct instance.

DBT1023N The database release *release-number* is invalid.

Explanation: The tool that is being used is from a different release than the database's current release. The command cannot be processed.

User Response: Ensure that the correct version of the tool is being used. Correct the problem and resubmit the command.

DBT1024N Change in database name has resulted in duplicate names in the local database directory.

Explanation: An attempt to rename a database failed because an entry in the local database directory already existed with the same name.

User Response: Either change the database name to one that doesn't already exist or uncatalog the database if it no longer exists. Correct the problem and resubmit the command.

DBT1025N Neither old nor new database name were found in the database directory.

Explanation: An attempt to determine the database token necessary to find the database path failed because neither the old nor new database names could be found in the database directory.

User Response: Ensure the database with the old database name exists and that it is cataloged properly. Correct the problem and resubmit the command.

DBT1026N Replacement of the new database path *database-path* in container name *container-name* will exceed length restrictions.

Explanation: An attempt to rename the database path failed because it exceeds container name length restrictions when appended to the front of the specified container name.

User Response: Rename the database path and/or container name such that they do not exceed length restrictions when appended together. Correct the problem and resubmit the command.

DBT1027N Replacement of the new database path *database-path* in log directory path *log-path* will exceed length restrictions.

Explanation: An attempt to rename the database path failed because it exceeds log directory path length restrictions when appended to the front of the specified log directory path.

User Response: Rename the database path and/or log directory path such that they do not exceed length restrictions when appended together. Correct the problem and resubmit the command.

DBT1028N Unable to copy table space files.

Explanation: An attempt to duplicate the table space file SQLSPCS.1 failed.

User Response: Ensure there is sufficient disk space for the duplicate table space file. Correct the problem and resubmit the command.

DBT1029N Unable to copy buffer pool files.

Explanation: An attempt to duplicate the buffer pool file SQLBP.1 failed.

User Response: Ensure there is sufficient disk space for the duplicate buffer pool file. Correct the problem and resubmit the command.

DBT1030N Unable to copy local database directory files.

Explanation: An attempt to duplicate the local database directory file failed.

User Response: Ensure there is sufficient disk space for the necessary duplicate local database directory file. Correct the problem and resubmit the command.

DBT1031N An error occurred while updating the log file header *log-file-header*.

Explanation: An attempt to update the log file header SQLOGCTL.LFH failed.

User Response: Ensure the log file header exists in the database directory and that there is sufficient disk space. Correct the problem and resubmit the command.

DBT1032N The instance is not currently active.

Explanation: The tool requires the instance to be active before it can perform any processing.

User Response: Issue a db2start before issuing the command.

DBT1033N Unable to attach to instance *instance-name*. SQLCODE = *sqlcode*.

Explanation: An attempt to attach to the specified instance failed.

User Response: Verify the specified SQLCODE, correct the problem and resubmit the command.

Chapter 9. DB2 Messages

This section contains the messages generated by the command line processor. The command line processor returns DB2 and SQL messages. The messages are listed in numeric sequence.

DB20000I **The *command* command completed successfully.**

Explanation: No errors were encountered during the execution of this command.

User Response: No action required.

DB21001E **The option *option-letter* specified after the 'db2' command or in the DB2OPTIONS variable is incorrect.**

Explanation: The option specified is not supported. The supported options are:

Option Description

-a Display SQLCA
-c Auto-commit
-e Display SQLCODE/SQLSTATE
-f Read from input file
-l Log commands in history file
-n Remove new line character
-o Display output
-p Display interactive prompt
-r Save output report to file
-s Stop execution on cmd error
-t Set stmt termination character
-v Echo current command
-w Display FETCH/SELECT warnings
-x Suppress printing of column headings
-z Save all output to file

The command cannot be processed.

User Response: Resubmit the command with a valid option.

DB21002E **The parameter for option *option-letter* specified after the 'db2' command or in the DB2OPTIONS variable is missing or incorrect.**

Explanation: The following lists the options with parameters:

Option	Description
-----	-----
-ec	Display SQLCODE
-es	Display SQLSTATE
-f<filename>	Read from input file <filename>
-l<filename>	Log commands in history file <filename>
-r<filename>	Save output report to file <filename>
-td<x>	Set termination char to 'x'
-z<filename>	Save all output to file <filename>

User Response: Resubmit the command with the valid option and parameter.

DB21003E **The value *value* in environment-variable is not valid.**

Explanation: The value for DB2BQTRY must be between 0 and 4294967295. The value for DB2BQTIME, DB2RQTIME or DB2IQTIME must be between 1 and 4294967295.

User Response: Set the environment variable with the correct value and resubmit the command.

DB21004E You cannot specify both an input file and a command when invoking the Command Line Processor.

Explanation: You cannot specify both the -f option and a command line command when invoking the command line processor.

User Response: Correct the error and issue the command again.

DB21005E An error occurred while accessing the file *filename*.

Explanation: The following could have caused the error:

- file permissions do not allow file access
- the file does not exist

User Response: Correct the error and try again.

DB21006E The input command is too long. The maximum length is *length*.

Explanation: The input command cannot exceed the length specified.

User Response: Correct the error and resubmit the command.

DB21007E End of file reached while reading the command.

Explanation: The last command was not executed because end of file was reached. Terminate the last command with a ';' (or your defined termination character) if the -t option was used. Remove the '\' from the last line in the command if the +t option was used.

User Response: Correct the error and resubmit the command.

DB21008E Commands can only be entered from the command line processor interactive mode or file input mode.

Explanation: The user attempted to enter a command line processor command from the DOS prompt.

User Response: Use command line processor interactive mode or file input mode.

DB21010I Help given for *help-command-phrase*.

Explanation: This message only appears in the history file specified with the -l option.

User Response: No action required.

DB21011I In a partitioned database server environment, only the table spaces on the current node are listed.

Explanation: Only the table spaces on the current node are visible to the LIST TABLESPACES command.

User Response: To list the table spaces on another node, you must issue the LIST TABLESPACES command on that node.

DB21015E The Command Line Processor backend process request queue or input queue was not created within the timeout period.

Explanation: Either the values for the DB2BQTRY and DB2BQTIME environment variables need to be increased or the command line processor back-end program "db2bp" cannot be started. The "db2bp" program must reside in the correct database manager install path and users must have execute permission on the file.

User Response: Correct the error and resubmit the command.

DB21016E The Command Line Processor encountered a system error while sending the command to the backend process.

Explanation: One of the following could have happened:

- The backend process was abnormally terminated.
- A system error occurred when reading from or writing to the back-end process queues.
- A system error occurred when reading from the front-end process output queue.

User Response: Resubmit the command. If the error occurs again, get help from your system administrator.

DB21017E The Command Line Processor encountered a system error with the front-end process output queue. Reason code = *reason-code*.

Explanation: A system error occurred while creating or reading from the front-end process output queue.

If the reason code is -2499, the command line processor output queue conflicts with an existing queue.

User Response: Resubmit the command. If the error occurs again, record the message number and reason code, and get help from your system administrator.

DB21018E A system error occurred. The command line processor could not continue processing.

Explanation: One of the following caused the system error:

- Too much data is being output to the screen. Pipe the output to a file that you can view once processing is complete.
- Command line processor did not successfully install its interrupt signal handler.
- Command line processor did not successfully open the back-end process queues.

- Command line processor did not successfully start up the back-end process.
- The back-end process was abnormally terminated.
- The front-end process did not successfully allocate or free memory.
- The front-end and/or back-end process did not successfully dynamically load a library.
- Command line processor received one of the following program termination signals:
 - SIGILL
 - SIGTRAP
 - SIGEMT
 - SIGBUS
 - SIGSEGV
 - SIGSYS

User Response: Retry the command. If the problem persists, record the DB2 message number. If the trace was active, save the trace information and contact your technical support with the following information:

- Problem description
- DB2 message number
- SQLCA if possible
- Trace file if possible

DB21019E An error occurred while accessing the directory *directory*.

Explanation: The following could have caused the error:

- directory permissions do not allow access
- the directory does not exist

User Response: Correct the error and resubmit the command.

DB21020E Unable to create the default message file *file*.

Explanation: To properly process this command, CLP needs a file where the messages issued during processing are saved before they are displayed on the console. It attempted to create such a file in a directory normally used for that purpose (such as /tmp on UNIX platforms or

...\TMP on OS/2), but the attempt failed because the directory does not exist.

User Response: Correct the error and resubmit the command.

DB21021E No Admin Server instance is defined. The command failed.

Explanation: You issued a command that needs to use an Administration Server instance, but no such instance is defined.

User Response: Define an Administration Server instance and resubmit the command.

DB21022E Unable to switch to Administration Server instance *instance-name*.

Explanation: You issued a command that needs to use an Administration Server instance. Command line processor tried to switch to Administration Server instance *instance-name* but failed. The possible reasons may be:

- The Administration Server instance is not set correctly.
- Command line processor was already attached to a DB2 instance.
- Command line processor was connected to a database.

User Response: Check that a valid Administration Server instance is set up before using this command. Also, you may need to issue the DETACH, or CONNECT RESET, or TERMINATE command before trying your request again.

DB21023E The command is not valid when executed from Administration Server.

Explanation: You issued one of the following commands: GET DBM CONFIGURATION, RESET DBM CONFIGURATION, or UPDATE DBM CONFIGURATION, but these commands cannot be executed from Administration Server.

User Response: Issue one of the following commands that are valid on Administration

Server: GET ADMIN CONFIGURATION, RESET ADMIN CONFIGURATION, or UPDATE ADMIN CONFIGURATION.

DB21024I This command is asynchronous and may not be effective immediately.

Explanation: This message is displayed after executing either a FORCE command with the ASYNC clause or a REORG TABLE command with the INPLACE clause.

User Response: No action required.

DB21025I One or more of the parameters submitted for immediate modification were not changed dynamically. Client changes will not be effective until the next time the application is started or the TERMINATE command has been issued. Server changes will not be effective until the next DB2START command.

Explanation: Some changes to the database manager configuration could not be applied immediately. For these parameters, the changes become effective only after DB2 is started. This typically occurs after a DB2START on a server and after the application restarts on a client.

User Response: To see which parameter changes took effect dynamically and which ones did not, retrieve the database manager configuration parameters and display details using the following command:

```
DB2 GET DBM CFG SHOW DETAIL
```

Changes to database manager configuration parameters can only take effect dynamically if you are attached to the instance. Not all configuration parameters support dynamic update. To see which parameters can be changed dynamically, refer to the Administration Guide.

If several parameters were submitted in a group, submit the parameters individually. In those

cases where a configuration parameter could not change dynamically, do one or more of the following:

- for user applications: stop and start the application
- for CLP: TERMINATE and reconnect
- for a server: issue DB2STOP and DB2START

DB21026I One or more of the parameters submitted for immediate modification were not changed dynamically. For these configuration parameters, all applications must disconnect from this database before the changes become effective.

Explanation: The database configuration command has been successfully processed. However, not all changes were processed right away. After the applications disconnect from the database, the first connection to the database will cause the changes to become effective.

User Response: To see which parameter changes took effect dynamically and which ones did not, retrieve the database configuration parameters and display the parameter details using the following command:

```
DB2 GET DB CFG FOR  
  <database-alias> SHOW DETAIL
```

Changes to database configuration parameters can only take effect dynamically if you are connected to the database. Not all configuration parameters support dynamic update. To see which parameters can be changed dynamically, refer to the Administration Guide.

If several parameters were submitted in a group, submit the parameters individually. In those cases where a configuration parameter could not change dynamically, do one or more of the following:

- Ensure that all applications disconnect from the database and issue a db2 connect to command

- Rebind your packages after the new configuration parameters take effect so that the new values will be used during the bind.
- Use the FLUSH PACKAGE CACHE command to invalidate dynamic statements in the SQL cache.

DB21027E Isolation level may not be changed while connected to a database.

Explanation: The user attempted to change the isolation level while connected to a database. The command is ignored.

User Response: If a change in isolation level is necessary, disconnect from the current database, then set the isolation level and re-connect to the database.

DB21028E The cursor *cursor-name* has not been declared.

Explanation: The specified cursor needs to be declared before issuing an OPEN, FETCH, or CLOSE SQL statement.

User Response: Declare the cursor and resubmit the command.

DB21029E The cursor *cursor-name* has already been declared and opened.

Explanation: The user attempted to declare a cursor that is open.

User Response: Close the cursor and resubmit the open command.

DB21030E The cursor *cursor-name* has not been opened.

Explanation: The specified cursor needs to be opened.

User Response: Open the cursor and resubmit the command.

DB21031E The SQL statement using the cursor *cursor-name* (*internal-cursor*) returned:

Explanation: This message shows the internal cursor name for the user defined cursor. Some SQL error messages may show the internal cursor name. This message is displayed before the SQL message.

User Response: Correct the SQL error and resubmit the command.

DB21032E You have already declared the maximum number of cursors.

Explanation: Command line processor supports 100 cursors declared with the WITH HOLD attribute and 100 cursors declared without the WITH HOLD attribute.

User Response: Re-declare one of the existing cursors and resubmit the command.

DB21033E The command is not valid for databases that reside on DRDA hosts.

Explanation: The following commands are not supported for databases that reside on DRDA host servers:

- LIST TABLES
- LIST PACKAGES
- REORGCHK

User Response: Do not issue the command for this database.

DB21034E The command was processed as an SQL statement because it was not a valid Command Line Processor command. During SQL processing it returned:

Explanation: This message is displayed before the SQL error message. The error may be caused by a syntax error in a non-SQL command.

User Response: Correct the error and resubmit the command.

DB21035E The maximum number of items in the *list-name* list has been exceeded. The maximum number is *number*.

Explanation: The number of items in the list cannot exceed the maximum specified. This error may be caused by an invalid range specification.

User Response: Correct the error and resubmit the command.

DB21036E The *command* command failed.

User Response: Retry the command with the trace active. If the problem persists, save the trace information and contact your technical support with the following information:

- Problem description
 - DB2 message number
 - Trace file
-

DB21037W No data sources found.

User Response: There were no ODBC data sources found of the type (USER or SYSTEM) that you specified. Retry the command by specifying the other type (SYSTEM or USER).

DB21040E *number* is not a valid in-doubt transaction number.

Explanation: *number* is not one of the listed in-doubt transaction numbers.

User Response: Select one of the listed transaction numbers and resubmit the command.

DB21041W *number* indoubt transaction(s) not shown.

Explanation: Command line processor could not display all the in-doubt transactions. The number of transactions not displayed is *number*.

User Response: Finish processing the current list of indoubt transactions in order to reduce the total number of indoubt transactions in the system. Next, reissue the list indoubt transactions command.

DB21042E You must specify a transaction number.

Explanation: A transaction number must be specified with the commit (c), rollback (r), or forget (f) in-doubt transaction subcommands.

User Response: Reissue the command with the appropriate transaction number.

DB21043E *subcommand* is not a valid request.

Explanation: The in-doubt transaction subcommand specified is not valid. Valid subcommands are:

Subcommand Description

c <number> Heuristically commit
the in-doubt transaction
<number>.
r <number> Heuristically roll-
back the in-doubt
transaction <number>.
f <number> Heuristically forget
the in-doubt transaction
<number>.
l <number> List all in-doubt
transactions or the in-
doubt transaction
<number>.
q Exit LIST INDOUBT
TRANSACTION prompting.

NOTE: The *number* command is not available in DB2 Extended Enterprise Edition.

User Response: Correct the error and resubmit the command.

DB21044E Cannot COMMIT transaction number *number*.

Explanation: The transaction must be in a prepared state (i) when you issue the commit (c) subcommand.

User Response: Issue another command.

DB21045E Cannot ROLLBACK transaction number *number*.

Explanation: The transaction must be in a prepared (i) or idle (e) state. when you issue the rollback (r) subcommand.

User Response: Issue another command.

DB21046E Cannot FORGET transaction number *number*.

Explanation: The transaction must be in a heuristically committed (c) or heuristically rolled-back (r) state when you issue the forget (f) command.

User Response: Issue another command.

DB21050E *state* is not a valid SQLSTATE.

Explanation: The sqlstate specified is not valid or could not be found. Valid states are numerical and two or five digits in length.

User Response: Resubmit the command using a different state.

DB21051E The command is not supported for this environment.

Explanation: The command requested is currently not supported by the command line processor in the environment being used.

User Response: Resubmit the command on a different platform or within a different environment.

DB21052I *command* has been submitted for execution.

Explanation: The command line processor is attempting to execute the indicated command. It will be unable to determine whether the command has completed successfully.

User Response: If the command appears unsuccessful, submit it from outside the command line processor.

DB21053W Automatic escalation will occur when you connect to a database that does not support isolation-level.

Explanation: Isolation levels are database dependent. Some, like NC, are only supported by specific databases. If you select an isolation level that is not supported by the database you are connecting to, it will automatically escalate to a supported level.

User Response: Connect to a database that supports the isolation level you have selected, or select a different isolation level.

DB21054E The command line processor encountered a system error with the command command. Reason code = reason-code.

Explanation: The command line processor was unable to get enough memory to process your command. A system error occurred while processing it.

Reason

code	Description	Syntax
1	Data file	LOAD FROM file/pipe/dev...
2	Lob data	LOBS FROM lob-path...
3	Directory	USING directory...
4	Source	FROM dir/dev...
5	Target	TO dir/dev...
6	Tablespace	TABLESPACE tblspace-name...
7	Tblspace-def	MANAGED BY...
8	Container data	USING (PATH..., PATH...) or USING ({FILE DEVICE}..., {FILE DEVICE}...)
9	Log path	log-directory ..., log-directory ...
10	Node list	node-number ..., node-number ...

User Response: Correct the error and resubmit the command.

DB21055W Command not valid for type 2 connections.

Explanation: The information returned by the GET CONNECTION STATE command does not apply to type 2 connections.

User Response: Issue QUERY CLIENT to verify CONNECT = 1.

DB21056W Directory changes may not be effective until the directory cache is refreshed.

Explanation: If directory caching (DBM CFG dir_cache) is enabled, database, node, and DCS directory files are cached in memory. Directory changes may not become effective until the directory cache is refreshed. Refer to the dir_cache configuration parameter in the ADMIN guide for a description on directory caching.

User Response: To refresh CLP's directory cache, issue a db2 TERMINATE. To refresh the directory information for another application, stop and restart that application. To refresh the directory information for the database, stop (db2stop) and restart (db2start) the database.

DB21057E Invalid tape device specified.

Explanation: The tape device passed to the operating system was not accepted. On Windows NT it must be of the form "\\.\TAPEx" where x represents the drive number (0 is the first).

User Response: Reissue the command specifying a valid tape device.

DB21058E Invalid tape position specified.

Explanation: The tape mark position specified is not valid. On Windows NT the first tape position to which a backup is record is 1. Subsequent backup images begin at tape mark 2 and so on.

User Response: Reissue the command specifying a valid tape position.

DB21059E Invalid tape blocksize specified.

Explanation: The tape mark blocksize specified is not in the range supported by the tape device. In addition, for backup/restore to work it must also be a factor of or multiple of 4096.

User Response: Reissue the command specifying a valid tape size.

DB21060E General tape failure.

Explanation: An unexpected return code was returned from the tape operation.

User Response: Resubmit the command. If the error occurs again, get help from your system administrator.

DB21061E Command line environment not initialized.

Explanation: You have tried to invoke the command line processor from a command window that was not started by db2cmd.exe.

User Response: Issue DB2CMD to start a command window that has the command line processor environment initialized.

DB21070W One or more of the configuration parameters were set to AUTOMATIC in a case where the parameter does not support AUTOMATIC.

User Response: If the parameter changes were submitted as a group, resubmit the changes individually to see which parameter changes were successful.

If only one parameter was submitted then this message indicates that the value AUTOMATIC is not supported for this parameter.

To find out which configuration parameters support the AUTOMATIC value, refer to the Administration Guide.

DB21071W Configuration parameter values were changed on all nodes, however not all nodes were able to change the values dynamically.

User Response: If parameter changes were submitted in a group, issue the update command individually for more detailed information.

At the next restart of the unsuccessful nodes, the new values will take effect.

Changes to database manager configuration parameters can only take effect dynamically if you are attached to the instance. Not all configuration parameters support dynamic update. To see which parameters can be changed dynamically, refer to the Administration Guide.

To identify the nodes that failed in their dynamic application, attach to the instance on each node and issue the following command:

```
DB2 GET DBM CFG SHOW DETAIL
```

DB21080E No previous RESTORE DATABASE command with REDIRECT option was issued for this database alias, or the information about that command is lost.

Explanation: You have tried to run the RESTORE DATABASE command with the CONTINUE or ABORT option. However, either you didn't previously issue a RESTORE DATABASE command with the REDIRECT option, or you did issue such a command but for a different database alias than the one specified on the failing command. Another possible cause for this message could be that the information about a correctly issued previous RESTORE DATABASE ... REDIRECT command was lost. This can happen if the CLP back-end process terminates abnormally, or if you issue the TERMINATE command.

User Response: Restart the whole redirected restore process by issuing the RESTORE DATABASE ... REDIRECT command and SET TABLESPACE CONTAINERS commands again. Then issue the RESTORE DATABASE ... CONTINUE command.

DB21081E No sections were found in the db2cli.ini file.

Explanation: You have tried to list CLI parameters in the db2cli.ini file by using the GET CLI CONFIGURATION command, but the file is empty. There are no sections in that file.

User Response: To update the db2cli.ini file, use the UPDATE CLI CONFIGURATION command.

DB21082E You don't have enough authority to run the UPDATE CLI CONFIGURATION command.

Explanation: You need to have SYSADM authority to run this command.

User Response: Obtain the necessary authority from your database administrator, then issue the command again.

DB21083E Section *section* not found.

Explanation: Section <section> was not found in the db2cli.ini file.

User Response: Specify an existing section and issue the command again.

DB21084E NEW and CONFIRM passwords not the same.

Explanation: You were using the ATTACH or CONNECT command and specified that you wanted to change your password. The new password needs to be specified twice, by using the NEW and CONFIRM clauses, or by responding to the prompts. The two passwords you specified as your new password were different.

User Response: Specify the same password twice.

DB21085I Instance *instance-name* uses 32 or 64 bits and DB2 code release *ver-rel-mod* with level identifier *level-id*. Informational tokens are *build-id1*, *build-id2*, *build-id3* and **FixPak** *FixPak-number*.

Explanation: This message is the output of the db2level command and provides detailed information about the code level of a given DB2 instance. The information may be requested by DB2 service personnel to aid in resolving problems.

User Response: Record all displayed information to provide to DB2 service personnel.

The db2level executable should not be copied from one machine to another. Only DB2 installation and service maintenance programs should manipulate this file.

The db2level executable may not display all information about private test fixes that the customer has received from DB2 service personnel and installed on top of an officially supported service level.

DB21086I The incremental RESTORE operation of this backup image completed successfully, but there are additional backup images that must be restored to complete the entire incremental RESTORE operation.

Explanation: To complete an incremental RESTORE operation, every incremental backup image in its restore chain must be restored. The current operation succeeded, but there are additional backup images that must be restored before the overall RESTORE operation is complete.

User Response: Restore the next backup image.

DB21100E Stored procedure *procedure-name* exists in multiple schemas.

Explanation: The specified procedure name was found in more than one schema.

User Response: Re-issue the CALL command with a fully qualified procedure name (*schema.procedure-name*).

DB21101E Too few parameters were specified for stored procedure *procedure-name* (expected *quantity*).

Explanation: The definition of this stored procedure contains more parameters than those specified in the CALL command.

User Response: Verify the number of parameters in the stored procedure and re-issue the command.

DB21102E Too many parameters were specified for stored procedure *procedure-name* (expected *quantity*).

Explanation: The definition of this stored procedure contains fewer parameters than those specified in the CALL command.

User Response: Verify the number of parameters in the stored procedure.

DB21103E The data type of parameter *parameter-number* is not supported by the CALL command in CLP.

Explanation: Currently in CLP, one cannot call stored procedures with a parameter whose data type is that of parameter *parameter-number*.

User Response: Do not call this stored procedure from CLP.

DB21104E Parameter *parameter-number* for stored procedure *procedure-name* should be an INPUT parameter.

Explanation: The parameter *parameter-number* is defined as an INPUT or INPUT/OUTPUT parameter. However a "?" was specified for this parameter.

User Response: Replace the "?" in parameter *parameter-number* by the input value of this parameter and re-issue the CALL command.

DB21105E Parameter *parameter-number* for stored procedure *procedure-name* should be an OUTPUT parameter.

Explanation: The parameter *parameter-number* is defined as an OUTPUT parameter. However a input value was specified for this parameter.

User Response: Replace the input value in parameter *parameter-number* by a "?" and re-issue the CALL command.

DB21106E Stored procedure *procedure-name* is undefined.

Explanation: The stored procedure has not been defined or it has not been cataloged in the system catalogs.

User Response: Verify that the stored procedure exists in the system catalogs. Try dropping and re-creating the stored procedure. Then re-issue the CALL command.

DB21500I The DB2MSCS command completed successfully.

Explanation: The user request was successfully processed.

User Response: No action required.

DB21501E Invalid option *option-name* was specified for the command.

Explanation: An invalid argument was entered for the DB2MSCS command. Valid arguments for the command are:

- -f:InputFileName Specifies the DB2MSCS.CFG input file to be used by the MSCS utility. If this parameter is not specified, the DB2MSCS utility reads the DB2MSCS.CFG file that is in the current directory.
- -d:TraceFileName Turns on debug tracing and specifies the name of the trace output file.
- -u:InstanceName Undo the DB2MSCS operation for the instance.

User Response: For more information about this command, please refer to the "Administration Guide". Enter the command

again as follow: DB2MSCS -f InputFileName

DB21502E **Cannot open the configuration file *file-name*.**

Explanation: A configuration file could not be opened. Depending on the filename in the message text, this error can be explained as follow:

- If the filename in the message text was the name of the input file specified for the DB2MSCS command, then input file can not be found.
- If the filename was "db2system", then the database manager configuration file for target instance is missing.
- If the filename was "db2mscs.bak", then the backup configuration file could not be created in the instance directory.
- If the filename was "db2mscs.bak" and an undo operation was performed, then the backup configuration file from the instance directory could not be opened when performing the undo operation.

User Response: Depending on the file that was in error, the problem may be corrected as follow:

- If the filename in the message text was the name of the input file specified for the DB2MSCS command, then ensure that the file exists in the current directory, or that a fully qualified filename is specified for the command.
- If the database manager configuration file for target instance is missing, then drop and recreate the instance.
- If the backup configuration file could not be created in the instance directory, then ensure that the instance profile directory exists and that the current logon account has write access to the directory.
- If the backup configuration file from the instance directory could not be opened when performing the undo operation, then ensure that the MSCS disk that contains the instance profile directory is online on the current machine and retry the operation.

DB21503E **Not enough memory is available to process this command.**

Explanation: There was not enough memory to continue processing the command.

User Response: Ensure that the system has sufficient real and virtual memory. Close all applications that are not in use to free up additional memory for the system.

DB21504E **The value *parameter-value* specified for parameter *parameter-name* exceeded the maximum length for that parameter. The maximum length of the parameter is *length* bytes.**

Explanation: The value *parameter-value* specified for the keyword *parameter-name* exceeded the maximum allowable limit for that parameter.

User Response: Specify a value that is conformed with the following maximum length restrictions:

- Maximum length for a group or resource name is 64
- Maximum length for an IP Address or subnet mask is 15
- Maximum length for a DB2 instance name is 8
- Maximum length for a network name, cluster name or computer name is 64
- Maximum length for a username name or password is 256

DB21505E **Parameter *parameter-name1* must be specified before parameter *parameter-name2* in the DB2MSCS configuration file *file-name*.**

Explanation: The sequence of parameters specified in the DB2MSCS configuration file is not valid. The group name must be specified before any other resource parameter can be specified. For each resource, the resource name parameter must be specified before any resource parameter can be specified.

User Response: Modify the DB2MSCS

configuration file so that the sequence of parameters is correct.

DB21506E **The cluster *cluster-name* cannot be accessed. Ensure that the cluster name is correct and the cluster service on the current current machine has been started..**

Explanation: The DB2MSCS utility could not open the cluster because either the cluster name was incorrect or the cluster service on the current machine has not been started.

User Response: If the cluster service has not been started on the current machine, then start the cluster service by running the command "net start clussvc" or by starting the "Cluster" service from the Services dialog. If the cluster name was specified incorrectly in the DB2MSCS configuration file, then modify the cluster name and resubmit the command.

DB21507E **The instance name *instance-name* is not valid.**

Explanation: The instance name specified in the DB2MSCS configuration file is not valid, or the DB2INSTANCE environment variable was not set to a valid instance name.

User Response: If the instance name was specified in the DB2MSCS configuration file, then verify that the instance name is valid and resubmit the command. If the instance name was not specified in the configuration file, then ensure the DB2INSTANCE environment variable is set to the name of a valid DB2 instance.

DB21509E **The keyword *keyword* specified in configuration file *file-name* is only valid for the partitioned database instance.**

Explanation: The keyword specified is only valid if the target instance is a partitioned database instance. For example, the DB2_NODE keyword should only be specified for the partitioned database instance.

User Response: Comment out the invalid

keyword in the configuration file and resubmit the command.

DB21510E **Internet address *internet-address* specified in configuration file *file-name* is not valid.**

Explanation: The value specified for either the IP address or the subnet mask does not conform with the internet address format. A valid internet address format has the form: "nnn.nnn.nnn.nnn", where nnn is a number from 0 to 255.

User Response: Correct the invalid address in the configuration file and resubmit the command.

DB21511E **Node *node-number* does not exist.**

Explanation: The node number specified in the DB2_NODE keyword does not correspond to a valid database partition number.

User Response: Correct the DB2_NODE parameter to specify an existing node number.

DB21512E **The keyword *keyword* is not a valid DB2MSCS keyword.**

Explanation: The keyword specified was not a valid DB2MSCS keyword.

User Response: Use a valid DB2MSCS keyword. For more information about the keywords, please refer to the "Administration Guide".

DB21513E **The DB2MSCS utility failed to create MSCS group *group-name* because of system error: *error-msg***

User Response: Please refer to the Windows system error message for further information.

DB21514E **The DB2MSCS utility failed to complete because of system error: *error-msg***

Explanation: The DB2MSCS utility failed to complete because of a Windows system error.

User Response: Please refer to the Windows

system error message for further information.

DB21515E **The required resource property specified by keyword *keyword-name* is missing for the resource *resource-name*.**

Explanation: A resource could not be created because one of its required parameters was not specified. For example, for IP Address resource, the IP Address and the subnet mask must be specified. For the Network Name resource, the network name must be specified.

User Response: Ensure that the required parameter is specified and resubmit the command.

DB21516E **DB2MSCS cannot bring resource *resource-name* online. Ensure that the properties of the resource are set correctly.**

Explanation: After a resource is created, the DB2MSCS utility validates the resource by attempting to bring the resource online. Failing to bring a resource online indicates that either the resource property was not specified correctly or that the cluster network was not functioning properly.

User Response:

- If a disk resource was in error, then ensure that the disk subsystem and the disk device driver is functioning properly. The Event Viewer should be used to examine if any disk device driver problem was recorded in the Event logs.
- If an IP Address resource was in error, then ensure that the IP parameters are correct and that the network(s) where the IP address resides on is functioning properly. Also, the IP address that is specified for DB2 must NOT be used by any other machine in the network. If you are not sure what parameters to use for the IP address, consult with your network administrator.
- If a Network Name resource was in error, then ensure that the network is functioning properly, and that the value specified for the

Netname parameter has not been used by any machine in the network. Note that the Network Name parameter is not required. As a work around, you may want to comment out the Network Name parameter and proceed.

- If a DB2 resource was in error, then the db2diag.log should be examined for any DB2 errors.

DB21517E **MSCS Network *network-name* is not active.**

Explanation: The network parameter specified for the IP address is not active.

User Response: From the Cluster Administration view, activate or enable the target network and resubmit the command.

DB21518E **There is no active MSCS network.**

Explanation: The network parameter was not specified for the IP address and there was no network available to be used.

User Response: A valid MSCS network must be configured. Please refer to your cluster documentation for how to add and configure an MSCS network.

DB21519E **DB2MSCS cannot bring the resource *resource-name* offline. Ensure that the properties of the resource are set correctly.**

Explanation: The DB2MSCS could not bring a resource offline. The resource may be in use by the cluster software.

User Response: Retry the operation. If the problem persists, run with the trace option and contact your IBM Service Representative for further assistance.

DB21520E **The DB2PATH profile variable is not defined.**

Explanation: The DB2PATH registry profile variable is not defined for the current machine. The DB2PATH must be set to the path where DB2 is installed.

User Response: Set the DB2PATH to the directory where DB2 is installed using the db2set command. For example, db2set -g DB2PATH=D:\SQLLIB.

DB21521E **DB2MSCS cannot read from file**
file-name.

Explanation: The DB2MSCS utility can not read data from the indicated file.

User Response: Ensure that the file is not locked and that the current logon user have sufficient authority to read the file.

DB21522E **Cannot open machine registry for machine** *machine-name*. **Ensure that the machine is active and that the current logon account has Local Administrator authority.**

Explanation: The DB2MSCS could not open the registry for the remote machine for read and write access. By default, only users that belong to the Local Administrator groups on that machine have read and write access to the machine registry. This error is also returned if the remote machine is not active.

User Response: Ensure that the target machine is active, then logon to a domain account that belongs to the Local Administrator group on the target machine and resubmit the command.

DB21523E **Cannot close machine registry for machine** *machine-name*. **Ensure that the machine is active and that the current logon account has Local Administrator authority.**

Explanation: After opening the remote registry, the DB2MSCS utility failed to close the handle to the remote registry because of an internal error.

User Response: Run with the trace option and contact your IBM Service Representative for further assistance.

DB21524E **Failed to create the resource**
resource-name. **System error:**
error-msg

Explanation: The command failed to create the target resource because of a Windows system error.

User Response: Refer to the Windows system error message for additional information.

DB21525E **Failed to add dependency to the resource** *resource-name*. **System error:** *error-msg*

Explanation: The command failed to add dependency for the target resource because of a Windows system error.

User Response: Refer to the Windows system error message for additional information.

DB21526E **Failed to move resource**
resource-name. **System error:**
error-msg

Explanation: The command failed to add move resource because of a Windows system error.

User Response: Refer to the Windows system error message for additional information.

DB21527E **No disk resource is specified for the group** *group-name*.

Explanation: At least one disk resource must be specified for each group.

User Response: Assign one or more disk resource to the group indicated in the error message.

DB21528E **The value** *keyword-value* **specified for the INSTPROF_DISK keyword does not match any disk in the same group.**

Explanation: The INSTPROF_DISK keyword was used to specify the location where the content of instance profile directory will be copied to. The value for the INSTPROF_DISK keyword did not match one the name of a disk

resource in the same group.

User Response: Set the INSTPROF_DISK to the name of one of the disk resources in the same group.

DB21529E **The DB2MSCS utility cannot access the registry of machine *machine-name*. Ensure that the machine is active and that the current logon account has Local Administrator authority.**

Explanation: The DB2MSCS utility cannot access the registry of the target machine.

User Response: Logon to a domain account that belongs to the Local Administrator group on the target machine and resubmit the command.

DB21530E **The DB2MSCS utility cannot access the cluster registry for the cluster *cluster-name*. Ensure that the cluster is active and the current logon account has Local Administrator authority.**

Explanation: To administer a cluster, users must have either administrative permissions on both nodes or specific permissions to administer the cluster. By default, the local Administrators group on both nodes has permissions to administer the cluster.

User Response: Logon to an account that has sufficient access to the Cluster. To give a user permissions to administer a cluster without giving the user Administrative permissions on both nodes: Run the Cluster Administration GUI Right-click the cluster name, and then click Properties Click Security (or Permissions) Specify which users and groups that may administer the cluster.

DB21531E **Cannot obtain property for MSCS disk. System error: *error-msg***

Explanation: The DB2MSCS utility can not obtain the drive letter from the MSCS disk resource. This problem usually occurs when the disk resource specified by the INSTPROF_DISK

keyword is an IBM Netfinity disk resource, "IPSHA Disk".

User Response: Do not use the INSTPROF_DISK keyword. Instead, use the INSTPROF_PATH keyword to explicitly specify the target location where the instance profile directory will be copied to.

DB21532E **A internal error occurred. File: *file-name*, Line *line-number*. Please contact your IBM Service Representative.**

Explanation: The DB2MSCS failed because of an internal error.

User Response: Run with the trace option and contact your IBM Service Representative for further assistance.

DB21533E **An error occurred during the migration of the DB2 instance, rc = *error-code*.**

Explanation: After all the required MSCS resources had been created, the DB2MSCS utility failed to migrate the DB2 instance to run in a clustered environment because of an internal error. During an instance migration, the utility performs the following steps:

- Copy the instance directory to the location specified by the INSTPROF_DISK or INSTPROF_PATH keyword.
- Move the DB2 registry profile variables from the machine registry to the cluster registry.
- Set the DB2INSTPROF registry variable to point to the new instance profile location.
- Set the DB2CLUSTERLIST to the name of the current machine.

User Response: Before running the DB2MSCS utility, ensure that:

- On the current machine, the instance can be started and stopped successfully from the command line.
- On other cluster node(s), the same instance must be stopped and optionally dropped.

- All the disk resources are active on the current machine and can be moved back and forth successfully between the cluster nodes.
- The current logon user has sufficient access to the local machine registry and the cluster registry.
- If the problem persists, contact your IBM Service Representative and provide both the DB2MSCS traces and DB2 traces.

DB21534E **An error occurred during addition of MSCS node to the DB2 instance, rc = *error-code*.**

Explanation: The utility failed to add the other MSCS node to the DB2 instance. During this operation, the utility will do the followings:

- Update the DB2 cluster machine list by adding the name of the target machine to the DB2CLUSTERLIST registry variable.
- Create the DB2 service and the registry instance profile for the current DB2 instance on the target node.

User Response: Before running the DB2MSCS utility, ensure that:

- On the current machine, the instance can be started and stopped successfully from the command line.
- On other cluster node(s), the same instance must be stopped and optionally dropped.
- All the disk resources are active on the current machine and can be moved back and forth successfully between the cluster nodes.
- The current logon user has sufficient access to the target machine registry and the cluster registry.
- If the problem persists, contact your IBM Service Representative and provide both the DB2MSCS traces and DB2 traces.

DB21535E **The instance-owning database partition server is not on the current machine.**

Explanation: When migrating a partitioned database instance, the DB2MSCS utility must be run on the instance owning machine.

User Response: Run the DB2MSCS utility from the instance owning machine.

DB21536E **The username *userid* is not valid.**

Explanation: The username specified is not valid.

User Response: Specify a valid username.

DB21537E **The password *password* is not valid.**

Explanation: The password specified is not valid.

User Response: Specify the correct password.

DB21538E **The password for the account *account-name* has expired.**

Explanation: The password for the target account has expired.

User Response: Reset the password and resubmit the command.

DB21540E **Group *group-name* requires at least one network name resource.**

Explanation: When migrating a partitioned database instance, a network name resource must be created for the group that contains the instance owning node.

User Response: Specify to create a network name resource in the group indicated.

DB21541E **An error occurred when removing the MSCS node from the DB2 instance, rc = *error-code*.**

Explanation: During an "undo" operation, the utility failed to remove an MSCS node from the DB2 instance because of an internal error.

User Response: Manual clean up is required. To manually clean up the instance do the following:

- Stop and drop the DB2 instance.

- Remove all DB2 resources and their dependent resources from the Cluster Administrator window.

DB21542E **An error occurred while attempting to remove failover support for the instance. Failover support is still active for this instance, rc = *error-code*.**

Explanation: During an "undo" operation, the utility failed to uncluster the DB2 instance because of an internal error.

User Response: Manual clean up is required. To manually clean up the instance do the followings: Stop and drop the instance. Remove all DB2 resources and their dependent resources from the Cluster Administrator window.

DB21543E **The resource name *resource-name* does not match any IP resource in the same group.**

Explanation: A network name resource must be configured to depend on an IP Address resource in the same resource group.

User Response: Specify the name of an IP Address resource that resides in the same group as a dependency for the Network Name resource.

DB21544E **The MSCS resource *resource-name* already exists.**

Explanation: The resource name specified already exists in the cluster.

User Response: Specify a different resource name.

DB21545E **The module *file-name* was loaded, but the function *function-name* is not found. Ensure that you are running on the version of DB2 that supports MSCS.**

Explanation: The utility failed to obtain the address of a required function because the version of DB2 is not compatible with the

version of the DB2MSCS utility.

User Response: Use the version of the DB2MSCS utility that is shipped with the DB2 product.

DB21546E **The module *file-name* could not be loaded.**

Explanation: The utility failed to load the required DLL.

User Response: Reinstall the DB2 product.

DB21547E **Error occurred while moving group *group-name* to node *node-number*. System error: *error-msg***

Explanation: The utility failed to move the group to the target node because one or more resources can not be moved.

User Response: Ensure that all cluster nodes are active and that all disk resources can be moved back and forth between cluster nodes. If the problem persists, contact your IBM Service Representative.

DB21548E **A logon account for the DB2 service must be specified for a partitioned database system. Specify a valid logon account using the DB2_LOGON_USERNAME and DB2_LOGON_PASSWORD keywords.**

Explanation: The DB2 service for a partitioned database system must be configured to be run under a valid domain account.

User Response: Specify a valid domain account using the DB2_LOGON_USERNAME and DB2_LOGON_PASSWORD keywords.

DB21549N **Network name *network-name* specified for node *node-number* is not valid.**

Explanation: The network name value specified could not be resolved.

User Response: Ensure that the network name is registered in the DNS server or in a local etc/hosts file.

DB21600N **The *command* command did not complete successfully.**

Explanation: Errors were encountered during the execution of this command.

User Response: Contact your technical service representative. Information in the db2diag.log file will enable your service representative to determine the cause of the failure.

DB29320W **Output has been truncated.**

Explanation: The full query result cannot be fetched as supplied. Command line processor output can be a maximum of MAX_STATEMENT_SIZE characters. However the output of any particular column cannot exceed MAX_COLUMN_SIZE characters in length.

User Response: The CLP query can be rewritten to fetch a shorter string. Use of another interface to DB2 can also help in overcoming the CLP's limitation.

DB29501E **DB2 has detected an inconsistent environment. Please investigate the following : *error***

Explanation: An error in the operating environment has been detected.

User Response: This error may arise due to an inconsistent DB2 or operating system environment. Attempt to correct the problem identified in the error message and re-issue the command.

DB29502E **An incompatible Java Runtime Environment has been detected. Please verify that the required level of the Java Runtime Environment has been installed. The Java application may be launched using the Java runtime installed with DB2.**

Explanation: The installed Java runtime is not supported by the DB2 Java application.

User Response: The installed DB2 Java runtime will be used to launch the DB2 Java application. Other Java applications using the installed Java runtime should be terminated prior to executing the DB2 Java application to ensure correct behaviour.

DB29503E **Connections to multiple databases is not supported.**

Explanation: You cannot connect to more than one database.

User Response: Connect to only one database.

DB29504E **Connections to multiple users is not supported.**

Explanation: You cannot connect to more than one user.

User Response: Connect to only one user.

DB29523W **Are you sure you want to CANCEL the query?**

DB29524E **LogSQLException() Failed**

DB29525E **LogSQLException() *param-1 param-2***

DB29526E You cannot drop this table; it does not exist. Please select a job that has results, and try again, or select a recurring job that is scheduled and try again.

Explanation: A request was made to drop a result table for a job which did not have an associated result table.

User Response: Select a job that has a results or select a recurring job that is scheduled and try again.

DB29527W Are you sure you want to cancel job #*param-1*?

DB29528W Are you sure you do NOT want to display job #*param-1*? **WARNING:** If you select this option this job will never be displayed again.

DB29530W This option will remove confirmation messages from actions like 'cancel' and 'hide'. Is this something you really want to do?

DB29537E Unknown Type: *param-1*

DB29542E Connection SQL error: *param-1*
Error Number: *param-2*
Error Message: *param-3*

DB29543E Resource DLL rqsres.dll not found.

Explanation: Resource DLL rqsres.dll could not be loaded successfully.

User Response: During initialization of DB2 Query Patroller Recurring Query Scheduler the resource DLL rqsres.dll could not be loaded as it was either damaged or deleted. Please reinstall DB2 Query Patroller QueryEnabler.

DB29544E Resource DLL qeres.dll not found.

Explanation: Resource DLL qeres.dll could not be loaded successfully.

User Response: During initialization of DB2 Query Patroller QueryEnabler the resource DLL qeres.dll could not be loaded as it was either damaged or deleted. Please reinstall DB2 Query Patroller QueryEnabler.

DB29545E Name invalid: Query Name can only be 20 characters or less in length. Please change the name accordingly and retry.

Explanation: A name for a query was specified which was longer than 20 characters.

User Response: Specify a query name that has at most 20 characters.

DB29546E Name invalid: Query Name can only contain alphanumeric characters and spaces...("a..z", "A..Z", "0..9"). Please change the name accordingly and retry.

Explanation: A name for a query was specified which contained non-alphanumeric characters.

User Response: Specify a query name composed of only alphanumeric characters.

DB29608E Script Load Failed.

Explanation: Script files required by DB2 Query Patroller Tracker could not be found.

User Response: Please reinstall DB2 Query Patroller Tracker.

DB29609I HERE !:L:

DB29610E Could not load the ODBC Driver Manager.

Explanation: The ODBC driver dll ODBC32.DLL could not be loaded.

User Response: The ODBC driver dll ODBC32.DLL could not be loaded as it was

damaged or destroyed. Please reinstall ODBC.

**DB29611E Three login attempts failed!
Exiting Tracker!**

Explanation: DB2 Query Patroller Tracker requires to connect to the ODBC Data Source specified on the login dialog. The userid, password combination specified on the login dialog was not authorized to connect to the specified database.

User Response: Please relaunch DB2 Query Patroller Tracker and provide a valid userid password combination for the ODBC Data source specified on the login dialog.

DB29613E Resource DLL tkres.dll not found.

Explanation: DB2 Query Patroller Tracker requires the resource dll tkres.dll for successful operation. The dll could not be loaded.

User Response: During initialization of DB2 Query Patroller Tracker the resource DLL tkres.dll could not be loaded as it was either damaged or deleted. Please reinstall DB2 Query Patroller Tracker.

DB29614E The date or time specified is not valid.

DB29615E The end date and time must be after the start date and time.

DB29616E The time range must not be greater than two years.

DB29700E The application programming interface *program* did not complete successfully for object *name* with reason code *name*. Try again or contact your local support.

Explanation: An application programming interface call did not complete.

User Response: Try the operation again or contact your system administrator.

DB29701E Class *class-name* not found. Please check your classpath.

Explanation: The *class_name* cannot be located in the specified classpath.

User Response: Verify the classpath is correct. If you are using QueryAdmin.bat or QueryMonitor.bat please check the classpath setting in the batch file.

DB29702E User *userID* does not have administrative authority to use QueryAdministrator.

Explanation: User *userID* does not have Administrative authority defined in the DB2 Query Patroller User Profile table.

User Response: Have a DB2 Query Patroller administrator ensure that *userID* has the authorization necessary to perform the operation.

DB29703E User *userID* is not defined in User Profile.

Explanation: User *userID* is not defined in the DB2 Query Patroller user profile table.

User Response: Have a DB2 Query Patroller administrator ensure that *userID* is defined in the User Profile table.

DB29704E User *iwm* cannot be removed.

Explanation: User *iwm* is the mandatory userid needed for DB2 Query Patroller so it cannot be removed.

User Response:

DB29705W Invalid value entered for *column-name*. Valid ranges are from *minimum-value* to *maximum-value*.

Explanation: The value entered for *column-name* is invalid.

User Response: Reenter a value that is specified with the range.

DB29706E Job Queue *queue-id* cannot be removed. There are one or more incomplete jobs in this queue.

Explanation: This job queue *queue_id* cannot be removed since there are still jobs running on the queue.

User Response: Wait until all jobs that are on the queue are completed before deleting it.

DB29707E Result destination *destination-name* is already defined.

Explanation: The *destination-name* specified is already defined. *destination-name* must be unique.

User Response: Specify an unique *destination-name*.

DB29708E User *userID* is already defined.

Explanation: The *userID* specified is already defined. *userID* must be unique.

User Response: Specify an unique *userID*.

DB29709E Group *group-id* is already defined.

Explanation: The *group_id* specified is already defined. *group_id* must be unique.

User Response: Specify an unique *group_id*.

DB29710E Job Queue *queue-id* is already defined.

Explanation: The *queue_id* specified is already defined. *queue_id* must be unique.

User Response: Specify an unique *queue_id*.

DB29720E User *userID* does not have the necessary authority to use QueryMonitor.

Explanation: User *userID* is defined in the DB2 Query Patroller User Profile table but has no authority.

User Response: Have a DB2 Query Patroller administrator ensure that *userID* has the

authorization necessary to perform the operation.

DB29721E Error encountered when submitting a new job. Reason code : *reason-code*.

Explanation: An error was encountered when submitting a new query. Check the reason code returned.

Reason codes map to a valid SQL message. Check the help for the corresponding SQL message.

User Response: Correct the problem and retry this operation.

DB29722E Error encountered during job sequence number generation. Reason code = *reason-code*. Job will not be submitted.

Explanation: An error was encountered during job sequence number generation. Check the reason code returned.

Reason codes map to a valid SQL message. Check the help for the corresponding SQL message.

User Response: Correct the problem and retry this operation.

DB29723E Error encountered during purging of a result set for job *job-id*. Reason code : *reason-code*.

Explanation: An error was encountered when purging the specified result set. Check the reason code returned.

Reason codes map to a valid SQL message. Check the help for the corresponding SQL message.

User Response: Correct the problem and retry this operation. The table may have been dropped manually outside of the system environment.

DB29724E Error encountered when attempting to change status for job *job-id*. Reason code: *reason-code*.

Explanation: An error was encountered when changing the status for the specified job. Check the reason code returned.

Reason codes map to a valid SQL message. Check the help for the corresponding SQL message.

User Response: Correct the problem and retry this operation.

DB29725E Error encountered during resubmit of job *job-id* with SQL statement *SQL-stmt*. Reason code: *reason-code*.

Explanation: An error was encountered when resubmitting the specified job. Check the reason code returned.

Reason codes map to a valid SQL message. Check the help for the corresponding SQL message.

User Response: Correct the problem and retry this operation.

DB29726E Request completed successfully.

Explanation: The request was successful.

User Response:

DB29727E DB2 Query Patroller server is not installed.

Explanation: DB2 Query Patroller server is not installed on the DB2 server.

User Response: Install the DB2 Query Patroller server.

DB29800E An unexpected error *param-1* was encountered during read.

DB29801E Invalid command line parameters.

Explanation: The parameter for command line specified is missing or incorrect.

User Response: Correct the problem and retry this operation.

DB29802E Completed with Error.

Explanation: The program terminated due to an error. Please see the associated error messages for the reason.

User Response: Correct the problem and retry this operation.

DB29803E DB2 registry variable *registry-variable* is not set or is invalid.

Explanation: The required DB2 registry variable *registry-variable* is not set or has been set with an invalid format.

User Response: If the DB2 registry variable is DQP_RUNTIME then set DQP_RUNTIME to the fully qualified path where DB2 Query Patroller is installed.

If the DB2 registry variable is DQP_SERVER or DQP_NET then set DQP_SERVER or DQP_NET to [host]:[port], where [host] represents the IP address of the machine where DB2 Query Patroller server is installed, and [port] represents the TCP port used by DB2 Query Patroller server.

For any other DB2 registry variable, please refer to the DB2 Query Patroller documentation.

DB29804E A memory allocation error has occurred.

Explanation: During processing, there was not enough memory to continue processing.

User Response: Ensure that your system has sufficient real and virtual memory.

DB29805E User ID *userID* is undefined.

Explanation: *userID* is not defined on the operating system.

User Response: Create an operating system user account or use a correct user ID.

DB29806E Cannot change effective user ID to *userID*. Operating system error : OS-error.

Explanation:

User Response:

DB29807E An I/O error (reason = *code*) occurred while reading the file *file*.

Explanation: The read operation against *file* failed.

User Response: Determine if the I/O error can be corrected and resubmit the command.

DB29808E An I/O error (reason = *code*) occurred while writing the file *file*.

Explanation: The write operation against *file* failed.

User Response: Determine if the I/O error can be corrected and resubmit the command.

DB29809E An I/O error (reason = *code*) occurred during a read operation.

Explanation: Incomplete data was read during an I/O operation.

User Response: Determine if the I/O error can be corrected and resubmit the command.

DB29810E An I/O error (reason = *code*) occurred during a write operation.

Explanation: An I/O error occurred during a write operation. The data may be incomplete.

User Response: Determine if the I/O error can be corrected and resubmit the command.

DB29811E File *file-name* could not be opened (reason = *code*).

Explanation: Error encountered while trying to open file *file-name*.

User Response: Ensure that the *file-name* is correct and exists in the file system, and that the file permissions are correct.

DB29812E Error occurred while terminating process *process-ID*.

Explanation: Error encountered while trying to kill process *process-ID*.

User Response: Ensure the terminating process has sufficient authority and the process exists.

DB29813E There is not enough memory available to process the command.

Explanation: Not enough random access memory (RAM) is available to process the command.

User Response: Check if the system has sufficient paging space. Free up some memory by stopping unused applications.

DB29814E The request failed because an operating system process, thread, or swap space limit was reached.

Explanation: An operating system process, thread, or swap space limit was reached.

User Response: Increase the limit which was reached (or have your system administrator increase it).

DB29815E Execution of *program-name* failed (reason = *reason-code*).

Explanation: Error encountered while executing *program-name*.

User Response: Determine if the problem can be fixed and retry the operation.

DB29816I **Completed successfully.**

Explanation: The request was successful.

User Response: No action necessary.

DB29820E **Unknown job type *type* for job *job-id*.**

Explanation: The `iwm_nodemgr` process encountered a job with an unrecognized type.

User Response: Resubmit the query. If problem persists contact an IBM Service representative.

DB29821E **Another node manager is running.**

Explanation: Only one `iwm_nodemgr` process can run on each node.

User Response:

DB29822E **Node manager could not recover jobs.**

Explanation: The `iwm_nodemgr` failed to recover jobs that were running when it last failed.

User Response:

DB29823W **sysinfo statistics are not being collected.**

Explanation: CPU utilization cannot be collected for this node because `sysinfo` facility is disabled.

User Response:

DB29824E **Job *job-id* not found.**

Explanation: The job `job-id` was not found in the job table.

User Response:

DB29825I **Completion message for job *job-id* saved to file *file-name*.**

Explanation: The agent process has lost contact with the Server component, and was unable to

notify it of job completion. When the Node Manager process successfully restarts on this node, the Server component receives notification of the job's completion.

User Response:

DB29826N **Error encountered when executing SQL statement *SQL-statement*.
Error: *sqlcode*.**

Explanation: The *SQL-statement* failed.

User Response: Correct the *SQL-statement* and resubmit the job.

DB29827I **Too many columns selected.**

Explanation: The job's SQL statement selected too many columns.

User Response: Correct the SQL statement and resubmit the job.

DB29828E **Cannot create result table *result-table*.**

Explanation: The *result-table* could not be created.

User Response: Make sure system has sufficient free disk space and the table does not already exist.

DB29829E **SQLDA type *type* is not supported for column *column-name*.**

Explanation: DB2 Query Patroller does not recognize the database column type.

User Response:

DB29830E **Job *job-id* cannot be updated.**

Explanation: The request to update this job cannot be performed because the request change is not valid for the current state of the job.

User Response:

DB29831W Job *job-id* (process id *process-ID*) is no longer running.

Explanation: The job terminated without notifying the Server component.

User Response:

DB29832E Node *node-name* not found.

Explanation: The RequestHandler Node Manager process is not active on the requested node.

User Response:

DB29835W Node *node-name* has not responded for 5 minutes, attempting recovery.

Explanation: The `iwm_nodemgr` process has not updated the node information for five minutes. The `iwm_sched` process assumes that the node has crashed and will recover jobs scheduled for the node.

User Response:

DB29836E Scheduler could not recover jobs for node *node-name*.

Explanation: An error occurred during node recovery.

User Response:

DB29837W No active nodes available to assign jobs.

Explanation: There are no nodes with an active node manager process.

User Response:

DB29838I *number* result tables over *number* days old have been purged.

Explanation: Purging of result tables has been activated through the **DB2 Query Patroller** system parameters. This message indicates how many result tables have been purged.

User Response: No action necessary.

DB29839I *number* jobs over *number* days old have been purged.

Explanation: Purging of **DB2 Query Patroller** jobs has been activated through the **DB2 Query Patroller** system parameters. This message indicates how many jobs have been purged.

User Response:

DB29840I **PREPARE SQL statement** *SQL-statement* failed for user *userID* with **SQLCODE** *sqlcode*.

Explanation: The SQL statement could not be PREPARED.

User Response:

DB29841E **SQL statement** *SQL-statement* failed. Exit code *code*.

Explanation:

User Response:

DB29842E **Error** *sqlcode* encountered during execution of the following **SQL statement:** *SQL-statement*.

Explanation: The SQL statement failed.

User Response: Correct the SQL statement and resubmit request.

DB29843E **Failed to connect to database** *database-alias* with user ID *userID*. **Error code:** *sqlcode*.

Explanation: The SQL CONNECT statement failed.

User Response:

DB29844E **User** *userID* is not defined in the **User Profile table**.

Explanation: There is no row in the User Profile table for the user.

User Response: Correct the user ID or have an Administrator add a user to the User Profile table.

DB29845E **Error opening socket. Error :**
error-code.

Explanation: The socket specified cannot be open.

User Response: Determine if the problem can be corrected by examining the *error-code*.

DB29846E **Error closing socket. Error :**
error-code.

Explanation: The socket specified cannot be closed.

User Response: Determine if the problem can be corrected by examining the *error-code*.

DB29847E **Error occurred while sending or receiving data. Error :**
error-code.

Explanation: Error happened while sending / receiving data.

User Response: Determine if the problem can be corrected by examining the *error-code*.

DB29848E **Error encountered on TCP/IP protocol support. TCP/IP function function. Socket was socket. Error :**
error-code.

Explanation: The TCP/IP function failed.

User Response: Determine if the problem can be corrected by examining the *error-code*.

DB29849E **The specified listener port listener-port is not valid.**

Explanation: The specified listener port is not valid.

User Response: Verify the **DB2 Query Patroller** configuration parameters are correctly set.

DB29850E **The specified connect port connector-port is not valid.**

Explanation: The specified connect port is not valid.

User Response: Verify the **DB2 Query Patroller** configuration parameters are correctly set.

DB29851E **Invalid internet address internet-addr.**

Explanation: The specified internet address is not valid.

User Response: Verify the **DB2 Query Patroller** configuration parameters are correctly set.

DB29852E **TCP/IP could not find host name host-name in the local Hosts file.**

Explanation: The *host_name* specified cannot not be resolved.

User Response: Verify the **DB2 Query Patroller** configuration parameters are correctly set.

DB29853E **Service service-name is not defined in the TCP/IP services file.**

Explanation: The *service_name* specified cannot not be resolved in the TCP/IP service file.

User Response: Verify the **DB2 Query Patroller** configuration parameters are correctly set.

DB29854E **Invalid network identifier network-string.**

Explanation: The network identifier must be in the form **host-id:port-id** where **host-id** represents either a resolvable host name or the dotted internet address and **port-id** represents either a resolvable service name or a port number.

User Response: Verify the **DB2 Query Patroller** configuration parameters are correctly set.

DB29855E DB2 Query Patroller server is not available.

Explanation: The Server component cannot be contacted.

User Response: Verify the DB2 Query Patroller configuration parameters are correctly set.

DB29856E A severe internal processing error has occurred. Error *error-code*.

Explanation: An internal DB2 Query Patroller failure occurred.

User Response: Please contact an IBM Service representative.

DB29857E *name* value is missing.

Explanation: An internal DB2 Query Patroller failure occurred.

User Response: Please contact an IBM Service representative.

DB29858E *name* value is invalid.

Explanation: An internal DB2 Query Patroller failure occurred.

User Response: Please contact an IBM Service representative.

DB29859E Destination *name* is no longer valid.

Explanation: An destination name is no longer active.

User Response:

DB29860E Expected response message not received.

Explanation: An internal DB2 Query Patroller failure occurred.

User Response: Please contact an IBM Service representative.

DB29861E Connection to *iwm_net* lost.

Explanation: The *iwm_net* program is no longer active.

User Response: Restart the Server component or agent on this node.

DB29862E Not connected.

Explanation: An internal DB2 Query Patroller failure occurred.

User Response: Please contact an IBM Service representative.

DB29863E Message not understood.

Explanation: An internal DB2 Query Patroller failure occurred.

User Response: Please contact an IBM Service representative.

DB29864E *iwm_local* database access is not available.

Explanation: The *iwm_local* program failed or was not started successfully.

User Response: Restart the DB2 Query Patroller and all agents.

DB29865E *iwm_remote* database access is not available.

Explanation: The *iwm_remote* program failed or was not started successfully.

User Response: Restart the Server component.

DB29866E *iwm_local* database access failed.

Explanation: The *iwm_local* program failed or was not started successfully.

User Response: Please contact an IBM Service representative.

DB29867E iwm_remote database access failed.

Explanation: The `iwm_remote` program failed or was not started successfully.

User Response: Please contact an IBM Service representative.

DB29868E Invalid ticket.

Explanation: An internal DB2 Query Patroller failure occurred.

User Response: Please contact an IBM Service representative.

DB29869E Logon has expired.

Explanation: Your logon to DB2 Query Patroller has expired.

User Response: Log on again.

DB29870E Not authorized.

Explanation: You are not authorized to perform the requested function.

User Response: Contact your System Administrator to obtain the necessary authorization.

DB29871N Mail for job *job-id* *job-status* could not be sent to *email-address*.
Reason : *reason-code*.

Explanation: Error encountered during sending of user notification for job *job-id*.

User Response:

DB29986I Stopping *param-1* process ...

DB29987E Failed to start *param-1* - Please check system log *param-2*

DB29989I Starting *param-1* process ...

DB29991E DB2 Query Patroller Server is not correctly installed.

Explanation: DB2 Query Patroller Server was not installed correctly.

User Response: Please reinstall DB2 Query Patroller server.

DB29992E Cannot access *param-1*. *param-2* will be stopped.

DB29995I Listing *param-1* processes ...

DB29997I *param-1* started successfully

DB29998I *param-1* stopped successfully

DB29999E *param-1* terminated abnormally.
param-2

DB210016E Cannot initialize TCP/IP (reason = *reason-code*). Ensure that the version of WINSOCK.DLL on your system is less than or equal to *winsock-level*.

Explanation: Cannot initialize TCP/IP. The TCP/IP return code is invalid.

User Response: Ensure the WINSOCK version is supported by DB2 Query Patroller. DB2 Query Patroller supports versions of WINSOCK.DLL less than or equal to *winsock-level*.

DB210017E Unsupported WINSOCK.DLL level. Ensure that the version of WINSOCK.DLL on your system is less than or equal to *winsock-level*.

Explanation: This version of the file WINSOCK.DLL is not supported by DB2 Query Patroller.

User Response: Ensure the WINSOCK version is supported by DB2 Query Patroller. DB2 Query Patroller supports versions of WINSOCK.DLL less than or equal to *winsock-level*.

DB210018E Could not register signal handler for process ID *process-ID*, reason code = *reason-code*.

Explanation: Failed to create the signal handler for the event object.

User Response:

DB210019E Could not wait on signal handler semaphore for process ID *process-ID*, reason code = *reason-code*.

Explanation: Failed to wait for the signal handler for the event object.

User Response:

DB210020E Could not create thread for signal handler for process ID *process-ID*, reason code = *reason-code*.

Explanation: Failed to create a thread object for the signal handler for the current process.

User Response:

DB210021E Could not post a signal semaphore for process ID *process-ID*, reason code = *reason-code*.

Explanation: Failed to set the state of the event to be signaled for the current process.

User Response:

DB210022E Could not logon, reason code = *reason-code*.

Explanation: The user ID and password probably are not correct, or the user has not been granted the required privileges.

User Response: Check the user ID and password, or ask the system administrator to grant the appropriate privileges for your user ID.

DB210023E Could not switch to a different user ID, reason code = *reason-code*.

Explanation: DB2 Query Patroller was unable to switch to a different user ID, because the target user ID was already logged on.

User Response: None.

DB210024E Load failed with reason code = *reason-code*.

Explanation: Failed to load data from files, tapes, or named pipes into a DB2 table.

User Response: Ensure that the data sources exist.

DB210025E Load failed after reading *rows* rows. Reason code = *reason-code*.

Explanation: Failed to load data after reading *rows*, reason code = *reason-code*.

User Response:

DB210026E Load failed when reading *line* from file *file-name*.

Explanation: Error encountered when reading *line* from *file-name*.

User Response: Ensure that the message file *file-name* exists.

DB210027E *user-profile* or *userID* is already defined.

Explanation: The user ID *userID* already exists for DB2 Query Patroller.

User Response: Define a unique user ID for DB2 Query Patroller.

DB210028E Destination *destination-name* is already defined.

Explanation: The result destination already exists for DB2 Query Patroller.

User Response: Define a unique result destination name for DB2 Query Patroller.

DB210030E MAPI not initialized, reason code = *reason-code*.

Explanation: Failed to initialize the Messaging Application Programming Interface (MAPI).

User Response: Ensure that the file MAPI32.dll exists.

DB210031E MAPI is not available on this machine.

Explanation: Messaging Application Programming Interface (MAPI) is not installed on this machine.

User Response: Ensure that MAPI is correctly installed and initialized. Ensure that the file MAPI32.dll exists.

DB210032E Could not invoke iwmmcmd program.

Explanation: Failed to invoke iwmmcmd process.

User Response: Check if the DB2 Query Patroller server is running.

DB210033E The mail *mail-subject* could not be sent to *mail-address*, reason code = *reason-code*.

Explanation: The mail *mail-subject* could not be sent to *mail-address*.

User Response: Ensure that Messaging Application Programming Interface (MAPI) is correctly installed and initialized. Ensure that the file MAPI32.dll exists.

DB210034E Start date of the schedule must be before the end date.

DB210035E This schedule already exists.

DB210036E Result table *result-table* does not exist.

Explanation: Result table *result-table* does not exist in the database.

User Response: The selected result table *result-table* does not exist, please select another one.

DB210037I DQPSTART processing was successful.

Explanation: The command to start DB2 Query Patroller completed successfully.

DB210038I DQPSTOP processing was successful.

Explanation: The command to stop DB2 Query Patroller completed successfully.

DB210039E DQPSTART or DQPSTOP command is already in progress.

Explanation: The DB2 Query Patroller is currently processing a start or a stop command.

User Response: There is another instance of DB2 Query Patroller start or stop command being processed.

User Response: Wait until the currently processing command completes. If there are no other processes starting or stopping the DB2 Query Patroller, you can remove 'dqpstst.lck' file from the 'ctrl' directory in the instance path and retry the command.

DB210040W DB2 Query Patroller service did not start properly.

Explanation: One or more processes may not have started successfully.

User Response: Check the 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210041E Request for DB2 Query Patroller license failed.

Explanation: DB2 Query Patroller could not be started without a valid license file.

DB210044E Unexpected command parameter *command-token* was encountered.

Explanation: The issued command is invalid.

User Response: Check the documentation for valid syntax.

DB210045E DB2 Query Patroller encountered a system error which terminated processing.

Explanation: An error occurred which terminated processing.

User Response: Check the 'syserr.log' and 'db2diag.log' for more diagnostic information.

DB210046E File seek operation on *filename* has failed (reason = *reason-code*).

Explanation: During processing, the file may have become corrupted or otherwise unoperational.

User Response: Retry the command and if the problem persists, check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210047E Change of access permissions on file *filename* has failed (reason = *reason-code*).

Explanation: The file access permissions could not be set. This condition may be due to unavailability of the file or other system condition that prevented the adjustment of file permissions.

User Response: Retry the command and if the problem persists, check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210048E Invalid file format of file *filename* at line *line-number*.

Explanation: Processing could not continue due to the unexpected tokens or an invalid file format.

User Response: Check the documentation for a proper setup.

DB210049E Could not retrieve instance path (reason = *reason-code*).

Explanation: The instance path could not be retrieved.

User Response: Ensure the DB2 is setup properly before issuing the command again. If the problem persists, check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210050E Could not retrieve the install path (reason = *reason-code*).

Explanation: The DB2 installation path could not be retrieved.

User Response: Ensure the DB2 is setup properly before issuing the command again. If the problem persists, check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210051E Could not retrieve instance configuration (reason = *reason-code*).

Explanation: The instance database manager configuration could not be retrieved.

User Response: Ensure DB2 is setup properly before issuing the command again. If the problem persists, check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210052E Could not get local host or computer name (reason = *reason-code*).

Explanation: The computer name (NT) or host name (UNIX) could not be retrieved.

User Response: Contact your system administrator or check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210053E Could not resolve host name *hostname*.

User Response: Contact your system administrator or check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210054E DQPSTART processing failed.

Explanation: DB2 Query Patroller could not be started.

User Response: Check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210055E System error. Registering service control handler failed.

Explanation: System error occurred which terminated processing.

User Response: Check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210056E System error. Check for service start-pending status failed.

Explanation: System error occurred which terminated processing.

User Response: Check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210057E System error. Initialization of service security descriptor failed.

Explanation: System error occurred which terminated processing.

User Response: Check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210058E System error. Create event failed.

Explanation: System error occurred which terminated processing. Check 'syserr.log' and 'db2diag.log' for more diagnostics.

User Response: Check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210059E Processing of configuration file filename failed (reason = reason-code).

Explanation: The configuration file could not be processed because it is in an invalid format, has unexpected tokens, or is otherwise corrupted.

User Response: Check the documentation for proper formatting of the file. If the problem persists, contact your system administrator or check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210060E Attempt to start service service-name failed (reason = reason-code).

Explanation: The service could not be started. The reason codes are as follows:

- 1 The service does not exist.
- 3 The service is already running.
- 5 The current user does not have the proper authority to start or stop the service.
- 6 The service fails to start.

User Response:

- 1 Ensure the service exists. If the service does not exist, then it might have been manually removed, or the installation of DB2 Query Patroller did not complete successfully. In either case, DB2 Query Patroller must be reinstalled.
 - 3 The service was already started. To restart the service, issue the DQPSTOP command and issue the DQPSTART command again.
 - 5 Ensure that the logon information for the service is correct and issue the command again.
 - 6 Issue the command again. If the problem persists, contact your system administrator or check the 'syserr.log' and 'db2diag.log' for more diagnostics.
-

DB210061E Attempt to stop service service-name failed (reason = reason-code).

Explanation:

- 1 The service does not exist.

- 3 The service has not been started or was already stopped.
- 5 The current user does not have the proper authority to start or stop the service.
- 6 The service fails to stop.

User Response:

- 1 Ensure the service exists. If the service does not exist, then it might have been manually removed, or the installation of DB2 Query Patroller did not complete successfully. In either case, DB2 Query Patroller must be reinstalled.
- 3 The service was already stopped. To restart the service, issue the DQPSTART command.
- 5 Ensure that the logon information for the service is correct and issue the command again.
- 6 Issue the command again. If the problem persists, contact your system administrator or check the 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210062E System error. Common initialization routines failed (SQLCODE = *sqlcode*).

Explanation: Environment could not be initialized because of SQLCODE *sqlcode*.

User Response: Check the SQLCODE and issue the command again. If the problem persists, contact your system administrator or check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210064E System error. Message queue failed (reason = *reason-code*).

Explanation: System error occurred which terminated processing.

User Response: Retry the command and if the problem persists, contact your system administrator or check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210065E DB2 Query Patroller node is not activated.

Explanation: The selected node is not setup for processing.

User Response: Ensure that the specified node is defined in 'dqpnodes.cfg' and retry the command.

DB210066E Node start or stop processing results could not be retrieved from file *filename* (reason = *reason-code*).

Explanation: The contents of the communication file could not be retrieved. The file does not exist or could not be opened.

User Response: Ensure that the specified file is accessible and retry the command. If the problem persists, contact your system administrator or check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210067E Node start or stop processing has reached timeout value.

Explanation: The DB2 Query Patroller start or stop command has reached a timeout value while waiting for results from the processing node(s). The result files contents could not be obtained because they were not created or not accessible.

User Response: Ensure that 'dqpnodes.cfg' is setup correctly and all host names and IP addresses and computer names are resolvable. See the documentation for proper setup. Check for proper setup of DQP_SERVER and DQP_NET variables and their corresponding entries in the 'services' file. On ESE check for proper setup of the 'rah' utility. Check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210068E **Communication error has been encountered while waiting for node(s) to complete processing (reason = reason-code).**

Explanation: The DB2 Query Patroller start or stop command could not continue due to invalid result file generated by one of the processing nodes. The result file could not be interpreted correctly.

User Response: Retry the command and if the problem persists, contact your system administrator or check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210069E **Process *process-name* has failed.**

Explanation: Process failed.

User Response: Retry the command and if the problem persists, contact your system administrator or check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210070E **Execution of process *process-name* has failed (reason = reason-code).**

Explanation: Process could not be started.

User Response: Retry the command and if the problem persists, contact your system administrator or check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210071E **Execution of process *process-name* was interrupted (reason = reason-code).**

Explanation: Running process was interrupted.

User Response: Check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210072E **An external program *program-name* could not be located (reason = reason-code).**

Explanation: Could not find a specified executable.

User Response: Check your installation or

contact your system administrator before retrying the command. Check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210073E **An external program *program-name* could not be invoked due to insufficient resources (reason = reason-code).**

Explanation: Could not allocate resources to launch the process.

User Response: Retry the command and if the problem persists, contact your system administrator or check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210074E **An external program *program-name* could not be invoked due to insufficient authority (reason = reason-code).**

Explanation: The user invoking the program does not have sufficient authority to do so.

User Response: Contact your system administrator or check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210075E **DQPSTART processing has completed. *number-of* node(s) were started successfully, *number-of* node(s) were already started, *number-of* node(s) have failed.**

Explanation: DB2 Query Patroller start manager completed processing however at least one node reported a warning or an error while processing the node start command.

User Response: Check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210076E **DQPSTOP processing has completed. *number-of* node(s) were stopped successfully, *number-of* node(s) were already stopped, *number-of* node(s) have failed.**

Explanation: DB2 Query Patroller stop manager completed processing however at least one node

reported a warning or an error while processing the node stop command.

User Response: Check 'syserr.log' and 'db2diag.log' for more diagnostics.

DB210085E The operation was aborted because it would violate configuration consistency constraint. SQLSTATE=state-code.

Explanation: SQLSTATE=88000,88001: Operation failed because it would violate one of the following constraints on the IWM003_JOB_QUEUE table:

```
MAX(MAX_JOBS) <=
IWM003_DATA_SOURCE.MAX_JOBS
AND
MAX(MAX_COST) <=
IWM003_DATA_SOURCE.COST_THRESHOLD
```

SQLSTATE=88002,88003,88004: Operation failed because it would violate one of the following constraints on the IWM003_DATA_SOURCE table:

```
MAX_JOBS >=
MAX(IWM003_JOB_QUEUE.MAX_JOBS)
AND
MAX(MAX_JOBS) <=
IWM003_SYS_PARMS.QRY_THRESHOLD
AND
COST_THRESHOLD >=
MAX(IWM003_JOB_QUEUE.MAX_COST)
AND
MAX(COST_THRESHOLD) <=
IWM003_SYS_PARMS.COST_THRESHOLD
```

SQLSTATE=88005: Operation failed because it would violate one of the following constraints on the IWM003_SYS_PARMS table:

```
QRY_THRESHOLD >=
MAX(IWM003_DATA_SOURCE.MAX_JOBS)
AND
COST_THRESHOLD >=
MAX(IWM003_DATA_SOURCE.COST_THRESHOLD)
```

SQLSTATE=88006,88007: Table IWM003_SYS_PARMS can have at most one row. This single row may be deleted if the table IWM003_DATA_SOURCE is empty.

SQLSTATE=88008: A user or a group profile with matching name and possibly different case already exists.

User Response: Please revise your configuration and specify a valid value for the field.

DB210101E Read queue operation failed while waiting for a response from process. Return code = return-code. Queue handle = queue-handle. Timeout = timeout-value.

Explanation: A read queue operation failed while waiting for a response from *process*. This error can occur if the timeout period is too short or if the queue handle is invalid.

User Response: Set DQP_CHILD_WAIT DB2 profile variable to a value greater than the *timeout-value* and try again. If the problem persists, contact your system administrator to remove *queue-handle* from your system.

DB210102E The DB2 instance was not found. Reason code = reason-code.

Explanation: The DB2 instance was not found. The DB2INSTANCE environment variable is not set to a valid DB2 instance.

User Response: Please ensure that DB2INSTANCE environment variable or DB2 profile variable DB2INSTDEF is set to a valid DB2 instance.

DB210103E Error deleting message queue. Reason code = reason-code. Queue handle = queue-handle.

Explanation: An error occurred deleting message queue *queue-handle*.

User Response: Please contact your system administrator to remove *queue-handle* from your system.

DB210104E Error initializing message queue.
Reason code = *reason-code*. **Queue name =** *queue-name*.

Explanation: An error occurred initializing message queue *queue-name*. This error can occur if a queue with that name already exists.

User Response: Please contact your system administrator to remove *queue-name* from your system.

DB210105E Error writing to the primary message queue. **Reason code =** *reason-code*. **Queue handle =** *queue-handle*. **Request type =** *request-type*. **Action type =** *action-type*. **Set type =** *group-type*. **Trace =** *trace-flag*.

Explanation: An error occurred writing to the primary message queue *queue-handle*. This error can occur if the queue handle is invalid.

User Response: Please contact your system administrator to remove *queue-handle* from your system.

DB210106E Error reading from the primary message queue. **Reason code =** *reason-code*. **Queue handle =** *queue-handle*. **Timeout =** *timeout-value* seconds.

Explanation: An error occurred reading from the primary message queue *queue-handle*. This error can occur if the queue handle is invalid.

User Response: Please contact your system administrator to remove *queue-handle* from your system.

DB210107E Error opening message queue.
Reason code = *reason-code*. **Queue name =** *queue-name*.

Explanation: An error occurred opening message queue *queue-name*. This error can occur if a queue with the name *queue-name* already exists and this process does not have the authority to open it.

User Response: Please contact your system administrator to remove *queue-name* from your system.

DB210108E Error acquiring lock on file
file-name. **Reason code =**
reason-code.

Explanation: Error acquiring a file lock on file *file-name*. This error can occur if this process does not have the authority to lock file *file-name* in the /tmp directory.

User Response: If the file *file-name* exists in the /tmp directory, please contact your system administrator to remove it from your system.

DB210109E Error sending message on queue.
Reason code = *reason-code*. **Queue handle =** *queue-handle*. **Message =**
message.

Explanation: An error occurred sending message *message* on queue *queue-handle*. This error can occur if this process does not have authority to write to the queue.

User Response: Please contact your system administrator to remove *queue-handle* from your system.

DB210110E Error closing message queue.
Reason code = *reason-code*. **Queue handle =** *queue-handle*.

Explanation: An error occurred closing message queue *queue-handle*. This error can occur if the process does not have the authority to close the queue.

User Response: Please contact your system administrator to remove *queue-handle* from your system.

DB210111E For the selected interval and frequency, no jobs can be scheduled between the chosen start date and time and the end date and time.

Explanation: The selected interval and frequency does not allow any jobs to be scheduled between the chosen start date and time and the end date and time.

User Response: To enable job scheduling, perform one of the following options:

- Increase the time range by adjusting the start date and time or the end date and time.
- Choose a different interval and frequency value for the given time range so that there is at least one scheduling opportunity.

DB210112E The DB2 Query Patroller server process or processes *server-process* have stopped. The remaining DB2 Query Patroller server processes have also stopped.

Explanation: If one or more DB2 Query Patroller server processes, such as *iwm_logmon*, *iwm_net*, *iwm_server*, *iwm_remote*, *iwm_nodemgr*, or *iwm_sched* have stopped, the other DB2 Query Patroller server processes also stop.

User Response: Check the *syserr.log* file to diagnose the cause of the stopped DB2 Query Patroller server processes. Restart the DB2 Query Patroller server.

DB210113E Node start or stop processing has failed. Reason code *reason-code*.

Explanation: DB2 Query Patroller cannot be started or stopped on the specified node. The reason codes are as follows:

- 1 A server node already exists in the *dqpnodes.cfg* file. There can be only one server node.
- 2 There is no server node in the *dqpnodes.cfg* file.

- 3 There is an existing entry with the same node number in the *dqpnodes.cfg* file.
- 4 The node number does not exist in the *dqpnodes.cfg* file.
- 5 There is an existing entry with the same hostname in the *dqpnodes.cfg* file.
- 6 The node type is invalid.
- 7 Cannot replace the server node entry with an agent. A server node entry must exist in the *dqpnodes.cfg* file.
- 8 Cannot drop the server node entry. A server node entry must exist in the *dqpnodes.cfg* file.
- 9 More than one server node entry is found in the *dqpnodes.cfg* file. There can only be one server node.
- 10 There is an invalid node number in the *dqpnodes.cfg* file.
- 11 There are duplicate node numbers in the *dqpnodes.cfg* file.
- 12 There are duplicate host names in the *dqpnodes.cfg* file.

User Response:

- 1 Issue the command again without attempting to add or restart a second server node.
- 2 Add a server node in the *dqpnodes.cfg* file.
- 3 Check the node number and issue the command again using a different node number.
- 4 Check the node number and issue the command again using an existing node number.
- 5 Check the hostname and issue the command again using a different host name.
- 6 Issue the command again using the node type "server" or "agent".

- 7 Issue the command again without attempting to replace the server node with an agent.
- 8 Issue the command again without attempting to drop the server node.
- 9 Determine which entry is the server node, and remove the other server node entries from the `dqpnodes.cfg` file.
- 10 Check the node numbers in the `dqpnodes.cfg` file and ensure that they are valid non-negative integers.
- 11 Check the node numbers in the `dqpnodes.cfg` file and ensure that they are unique.
- 12 Check the host names in the `dqpnodes.cfg` file and ensure that they are unique.

Note: You can restart a server node using a different hostname, but cannot drop or replace the only server node entry.

DB210114E The machine name set in the DB2 registry variable DQP_SERVER does not match the server node entry in the dqpnodes.cfg file.

Explanation: The DB2 registry variable `DQP_SERVER` is set to `[host]:[port]`, where `[host]` represents the IP address of the machine where DB2 Query Patroller server is installed. This IP address does not match the IP address of the server node in the `dqpnodes.cfg` file.

User Response: Ensure the IP address of the server node entry in the `dqpnodes.cfg` file matches the IP address set in the DB2 registry variable `DQP_SERVER`.

DB210115E The current user is not authorized to run the command *command-name*.

Explanation: The current user does not have the proper authority to run the command. If the command is `DQPSTART`, `DQPSTOP` or `IWM_TRACKER`, only the user “`iwm`” is allowed to run it.

User Response: If the command is `DQPSTART`, `DQPSTOP` or `IWM_TRACKER`, log on as the user “`iwm`” and issue the command again.

DB210116E The DB2 Query Patroller was already started on this node.

Explanation: DB2 Query Patroller was already running when the `DQPSTART` command was issued.

User Response: To restart the DB2 Query Patroller, first issue the `DQPSTOP` command and then issue the `DQPSTART` command.

DB210117E The DB2 Query Patroller was already stopped on this node.

Explanation: The DB2 Query Patroller Server was not running when the `DQPSTOP` command was issued.

DB210118E File *filename* could not be deleted (reason = *reason-code*).

Explanation: Error encountered while trying to delete file *filename*.

User Response: Ensure that the file *filename* is correct and exists in the file system, and that the file permissions are correct.

DB210120E Failed to connect to database *database-name* with user ID *userid* due to a recoverable error with SQLCODE *sqlcode*. Retrying connect in *retry-interval* minute or minutes.

Explanation: DB2 Query Patroller server failed to connect to the database due to a recoverable error with SQLCODE *sqlcode*.

User Response: Check the SQLCODE and fix the recoverable error. The DB2 Query Patroller server will attempt to connect to the database again in *retry-interval* minute or minutes.

DB210121E Cannot recover status of the jobs which belong to an active node.

Explanation: The specified node is still active. Job status recovery is only allowed for jobs running on a node that failed.

DB210123E The scheduled date cannot be in the past.

Explanation: The start and/or end date specified is in the past.

User Response: Ensure that the scheduled date is not in the past, or check that the date and time of your operating system is set properly.

DB210200I All applications must disconnect from the database before the changes become effective.

Explanation: The ADD or DROP DATALINKS MANAGER command has been successfully processed. However, the change cannot be made effective until all applications have disconnected from the database. After the applications disconnect from the database, the first connection to the database will cause the changes to become effective.

User Response: Ensure that all applications disconnect from the database and issue a CONNECT statement.

DB210201I Reconcile utility should be run on database tables that contain links to files on the DB2 Data Links Manager. The DB2 Data Links Manager does not perform any unlink processing for these files.

Explanation: The DROP DATALINKS MANAGER command has been successfully processed. Confirm that no database tables contained links to files on the DB2 Data Links Manager before dropping the DB2 Data Links Manager. If such links exist, they should be removed from the database tables by using the reconcile utility. Note that the files themselves will remain in linked state on the file system. For additional details, see the usage notes for the

DROP DATALINKS MANAGER command in the *Command Reference*.

DB210202E Less than *number* MB of memory is dedicated to your server. No recommendation has been made. The current values match the suggested values.

Explanation: Because the amount of memory dedicated to the server is so small, the Performance Configuration wizard cannot make a recommendation. Configuration parameters will not be changed.

User Response: If you can dedicate more memory to the server, re-run the command with a larger value specified for the option MEM_PERCENT.

DB210203I AUTOCONFIGURE completed successfully. Database manager or database configuration values may have been changed. The instance must be restarted before any changes come into effect. You may also want to rebind your packages after the new configuration parameters take effect so that the new values will be used.

Explanation: The Configuration Advisor has generated its recommendations, and has updated the configuration parameters and buffer pool sizes as requested by the user.

The changes will not take effect until the instance is restarted on the server.

Packages were bound with the old configuration parameters. They need to be rebound, after the new parameters take effect, to exploit these new parameters.

User Response: When you are ready to use the new configuration parameters, stop the instance, and then restart the instance. Rebind your packages if necessary

DB210204E An error occurred when the Configuration Advisor tried to get system information from your server.

Explanation: An unexpected error occurred. The Configuration Advisor cannot continue.

User Response: Contact your system administrator.

DB210205W The Configuration Advisor was unable to increase the sizes of the buffer pools due to other memory requirements determined from your responses. The buffer pool sizes are left unchanged. The use of the suggested set of configuration values may cause paging on the server.

Explanation: This is a warning that there may not be enough memory dedicated to your server to run the workload that you specified.

User Response: Review your input for this command to check that the workload description is appropriate or add more memory to your server.

DB210206W The transactions rate you entered is more than ten times the average number of connected applications. If you are using a transaction manager, ignore this message. If not, consider changing this rate.

Explanation: The Configuration Advisor verifies that the transactions rate is reasonable. The transaction rate may be too high if you are not using a transaction manager.

User Response: If you are using a transaction manager, ignore this message. Otherwise, use a lower number of transactions per minute, or increase the average number of connected applications.

DB210207E Unable to autoconfigure *database-name*. Creation of database *database-name* failed.

Explanation: An unexpected error occurred. The Configuration Advisor cannot continue, and the database you were trying to create failed.

User Response: Try running CREATE DATABASE without the AUTOCONFIGURE option, and then running AUTOCONFIGURE in order to configure your database.

DB210208E Cannot autoconfigure databases in EEE system. Creation of database *database-name* failed.

Explanation: The AUTOCONFIGURE option is not available for EEE. The database was not created.

User Response: Try running CREATE DATABASE without the AUTOCONFIGURE option, and then running AUTOCONFIGURE in order to configure your database.

DB210209I The database was created successfully. Please restart the instance so configuration changes take effect.

Explanation: The Configuration Advisor has updated the database manager configuration parameters, database configuration parameters, and buffer pool sizes in the SYSBUFFERPOOLS catalog.

The changes will not take effect until the instance is stopped on the server.

Packages were bound with the old configuration parameters. They need to be rebound, after the new parameters take effect, to exploit these new parameters.

User Response: When you are ready to use the new configuration parameters, stop the instance, and then start the instance. Rebind your packages if necessary.

DB210210E The parameter for APPLY is not supported by the Configuration Advisor for this server release.

Explanation: Only APPLY DB OR DBM or APPLY NONE are valid parameters for the Configuration Advisor for this server release.

User Response: Reissue the command using APPLY DB OR DBM or APPLY NONE.

DB210211W AUTOCONFIGURE completed successfully, but has only calculated recommendations for the current database partition. You may wish to run AUTOCONFIGURE on all database partitions or propagate these recommendations to all database partitions on your system.

Explanation: The Configuration Advisor has generated its recommendations, and has updated the configuration parameters and buffer pool sizes as requested by the user for only the current database partition.

The changes will not take effect until the instance is restarted on the server, but should be propagated to other database partitions on this system by running AUTOCONFIGURE for each database partition, or through separate user action.

Packages were bound with the old configuration parameters. They need to be rebound, after the new parameters take effect, to exploit these new parameters.

User Response: When you are ready to use the new configuration parameters, stop the instance, and then start the instance. Rebind your packages if necessary.

DB210212W The recommendations made by the Configuration Advisor require a greater percentage of memory than that specified. No recommendation has been made. The current values match the suggested values.

Explanation: There is not enough memory available to be allocated for the recommendations made by the Configuration Advisor.

User Response: Resubmit the command, specifying a greater percentage of memory.

DB210213W The recommended number of disks for the specified inputs exceeds the number available. No recommendation has been made. The current values match the suggested values.

Explanation: There are not enough disks available for the recommendations made by the Performance Configuration Wizard.

User Response: Resubmit the command once there are more disks available.

DB210214W The recommended amount of memory for the specified inputs exceeds the amount available. No recommendation has been made. The current values match the suggested values.

Explanation: There is not enough memory available to be allocated for the recommendations made by the Configuration Advisor.

User Response: Resubmit the command either with different input values or once a greater amount of memory is available.

Chapter 10. DWC Messages

This section contains the messages issued by the Data Warehouse Center (DWC). The messages are listed in numeric sequence.

DWC0771I Metadata was published successfully. Check the log file *logfile* for details.

Explanation: The Data Warehouse Center completed the command to publish to an information catalog with a return code of zero. Detailed information about each item published is located in the log file.

User Response: Check the log file *logfile* for details.

DWC0772N Metadata publish might have encountered errors or warnings. Check the log file *logfile* for details.

Explanation: The Data Warehouse Center completed the command to publish to an information catalog with a non-zero return code. Detailed information about each item published is located in the log file.

User Response: Check the log file *logfile* for details.

DWC0773N Cannot find the object list file *filename*.

Explanation: The object list file could not be found because the agent may have failed to create the file. The file should be generated by the agent after it has read the list from the program parameters.

User Response: Run the agent trace to find out why the object list file was not created, or contact your IBM service representative.

DWC0774N Cannot read the object list file *filename*.

Explanation: The object list file cannot be read because the file is corrupted.

User Response: Check that the file is not corrupt or contact your IBM service representative.

DWC0775N Cannot parse the object list file *filename*.

Explanation: The object list file cannot be parsed because the file is corrupted or is in an illegal format.

User Response: Check the format of the file or contact your IBM service representative.

DWC01000I User defined program executed successfully.

DWC01001I User logged on with user ID *userID*.

Explanation: Informational message.

User Response: None.

DWC01002E Logon Failed. Password does not match with user ID *userID* to Database *database-name* with qualifier *qualifier-name*.

Explanation: You were unable to log on to the control database because the password that you specified is not set to your user ID.

User Response: Verify that your password, user ID, database name, and table qualifier are correct.

DWC01003E Logon Failed. User already logged on with user ID *userID* to Database *database-name* with qualifier *qualifier-name*.

Explanation: You tried to log on to the Data Warehouse Center with a different user ID when you are already logged on to the Data Warehouse Center.

User Response: Close the Data Warehouse Center. Then, log on to the Data Warehouse Center with the other user ID.

DWC01004E Cannot change the password for user ID *userID* because the current password is invalid.

Explanation: You cannot change an old password to a new password because the old password that you entered is incorrect.

User Response: Enter the correct old password. Then, enter the new password.

DWC01005E Invalid function call. This function cannot be called before *dddApp.LogonAsUser* is called.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC01006E The Data Warehouse Center access privileges for user ID *userID* have been revoked.

Explanation: You are trying to log on to the Data Warehouse Center with a user ID that no longer has access privileges.

User Response: Log on with another user ID or contact your Data Warehouse Center administrator.

DWC01007E Logon Failed. The database specified by the user does not match the database used by the warehouse server.

Explanation: Logon Failed. The database specified by the user does not match the

database used by the warehouse server.

User Response: Ensure that the specified control database is the same database that is used by the warehouse server.

DWC02001E Operation on an ODBC cursor is not possible when the cursor is not prepared.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02002E The ODBC connection with the Data Warehouse Center control database has not been established.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02003E Allocation of the ODBC environment failed (SQLAllocEnv failed).

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02004E Free of the ODBC environment failed (SQLEnvFree failed).

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02005E Allocation of the ODBC Connect statement failed (SQLAllocConnect failed). Database: *database-name*. User ID: *user-ID*.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02006E Free of the ODBC Connect statement failed (SQLFreeConnect failed).

Explanation: An internal message occurred.

User Response: Contact IBM Software Support.

DWC02007E Allocation of the ODBC statement failed (SQLAllocStmt failed).
Statement or database:
database-name.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02008E Free of the ODBC statement failed (SQLFreeStmt failed).

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02009E Connection to ODBC database failed (SQLConnect failed).
Database name: *database-name.*
User ID: *user-ID.*

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02010E Disconnect from ODBC database failed (SQLDisconnect failed).

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02011E Execution of prepared ODBC statement failed (SQLExecute failed).

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02012E Direct execution of ODBC statement failed (SQLExecDirect failed). **Statement:** *statement-name.*

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02013E Transaction to connected ODBC database failed (SQLTransact failed).

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02014E Prepare of ODBC statement failed (SQLPrepare failed). **Statement:**
statement-type.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02015E Fetch of ODBC data failed (SQLFetch failed).

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02016E Extended fetch of ODBC data failed (SQLExtendedFetch failed).

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02017E Bind to ODBC parameter failed (SQLBindParameter failed).
Parameter #: *parameter-number.*
Parameter type: *parameter-type.*

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02018E Bind to ODBC column failed (SQLBindCol failed). Column #: *column-number*. Data type: *data-type*.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC02019E Set of ODBC statement failed (SQLSetStmtOption failed). Statement: *Statement-name*.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC03101E The new target table name is the same as the source step target table name.

Explanation: The step being copied has a new target table name specified that is the same as the target table name of the old step being copied.

User Response: In the **New Table Name** field on the Copy step panel, change the name of the new target table being created to one that is different from the source step being copied.

DWC03102E RelationCollection entry already exists in Relation Name: *relation-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03103E An invalid target element with an ID of 'XXXXXXXX' was passed to addLocal for Relation Name: *relation-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error

message and contact IBM Software Support with the information.

DWC03104E *object-type* object named: *object-name* is not in a 'valid' state. It may not have been retrieved or created properly.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03105E *object-type* object named: *object-name* already exists in the Data Warehouse Center database.

Explanation: A Data Warehouse Center user error or a Data Warehouse Center internal error occurred. If the error occurred when you tried to create a Data Warehouse Center entity, such as a step, process, security group, user, or database, an entity by that name might already exist.

If the error occurred at a time when you have not created a new entity, it may be a Data Warehouse Center internal error.

User Response: If you specified a name for a new Data Warehouse Center entity, check the name you specified and make sure an entity by that name does not already exist.

If you suspect a Data Warehouse Center internal error, record all details of this error message and contact IBM Software Support with the information.

DWC03106E *object-type* object was passed a NULL pointer on the *method* method.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03109E An Invalid value was found in
TimeStamp or step objects.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03110E Length of input data for a set
operation of attribute
attribute-name in the *object* object is
not valid.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03112E Object type passed on the retrieve
is not a valid Data Warehouse
Center object type.

Explanation: An internal error has occurred.

User Response: None.

DWC03113E AttributeLink object does not
have its 'linkType' operator set
correctly.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03114E Attribute object does not have its
'nativeDataType', 'Database', or
'Table/File' attributes set correctly.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03115E The specified native data type:
type-name does not have a
conversion to ODBC in the Data
Warehouse Center.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03116E The ODBC cursor for the
listNext() operation is not
initialized.

Explanation: An internal error message.

User Response: Contact IBM Customer Service.

DWC03117E The 'typeOfMap' attribute in the
Map object is not initialized.
Create or update not performed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03118E The special character *character* is
not allowed in the object name.
This is reserved for a delimiter for
Data Warehouse Center tokens.

Explanation: You tried to create a table or column with the specified special character, which is reserved for Data Warehouse Center tokens that can be included in a SQL SELECT statement. You cannot use this special character in the name of a table or column.

User Response: Remove the specified special character from the table or column name being created.

DWC03119E The *object-type* object named *object-name* is already being updated. Cannot update objects at the same time.

Explanation: You are trying to update the Data Warehouse Center entity named *object-name* at the same time as another user.

User Response: Wait until completion of the initial update is finished.

DWC03120W Column *column-name* with precision *precision* and scale *scale* is created as a *data-type* with precision *precision* and scale *scale* in the target table. This may cause an error or possible loss of data. Verify the definition of column *column-name*.

User Response: Verify the definition of column *step-name*.

DWC03127E An Object-in-use error occurred.

Explanation: You tried to remove a security group that is in use by a step that uses a specified database.

User Response: Before removing this security group from the **Selected Security Groups** for this database, you must delete or modify any references to the database and security group in any steps that use the database.

DWC03142E *object-type* object: *object-name* was not found in the Data Warehouse Center control database.

Explanation: If you were trying to open a Data Warehouse Center from a list, another user might have deleted the entity you were trying to open. Otherwise, an internal Data Warehouse Center error occurred.

User Response: Refresh the list and open the entity again. If the same error occurs, record all details of this error message and contact IBM Software Support with the information.

DWC03148E An invalid site hostname was passed to the Agent Site object.

Explanation: You specified a hostname for an agent site that is greater than 200 characters in length.

User Response: In the **Host Name** field of the Agent Site notebook, shorten the name of the agent site to less than 200 characters.

DWC03149E An invalid OS type was passed to the AgentSite object.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03150E An invalid user ID was passed to the AgentSite object.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03151E An invalid password was passed to the AgentSite object.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03153E Table *table-name* is being used by a step as a target table.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03154E Target table *table-name* is being used by a step as an input table.

Explanation: You are trying to delete a Data Warehouse Center table definition for a table that a step uses as a source table.

User Response: Before deleting the table, delete or change any references to the source table in the step to a different source table.

DWC03156E The Column object *object-name* is being used by a Map object as an input attribute.

Explanation: You are trying to delete a column of a table that a step uses as a source column.

User Response: Before deleting the column, delete or change any references to the source table in the step that uses the column as a source to a different source table.

DWC03157E The Column object *object-name* is being used by an AttributeLink object as an Attribute1 column.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03158E The Column object *object* is being used by an AttributeLink object as an Attribute2 column.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03159E The Agent Site cannot be deleted because it is being used by one or more steps.

Explanation: You are trying to delete an agent site that one or more steps specify as their agent site.

User Response: Before deleting the agent site, delete or change any references to the agent site in the steps to a different agent site.

DWC03160E The target table for step *step-name* is linked as a source to another step.

Explanation: You are trying to delete a step where the target table is linked as a source to another step.

User Response: You can delete this step by unlinking it from its target table. The target table will still be used as a source to the other steps. You should define a new way for the target table to be populated. You can view all the steps that depend on this target table by performing a show related on either the step or the target table.

Before deleting the step, delete or change any references to the source step in the steps. To determine what steps use this step as a source, right-click the step that you want to delete, and click Show Related. This action shows you all the steps that are populated with data from this step.

DWC03163E The SecurityGroup object is being used by the Data Warehouse Center steps as the Update Security Group.

Explanation: You are trying to delete a security group that one or more steps use as an update security group.

User Response: Before deleting the security group, change the update security group to a different security group.

DWC03164E The SecurityGroup object is being used by Data Warehouse Center users.

Explanation: The Data Warehouse Center user is trying to delete a security group that contains one or more Data Warehouse Center users.

User Response: Before deleting the security group, remove the users from the security group.

DWC03165E The *object-type* object has a NULL pointer passed in on the copy() method.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03168E The Agent Site cannot be deleted because it is being used by one or more databases.

Explanation: You are trying to delete an agent site that is in use by one or more targets, sources, or both.

User Response: Before deleting this agent site, change the databases that uses this agent site to use another agent site. In the Agent Site notebook, select the **Resources** tab, and remove all the databases from the **Selected Database** list.

DWC03169E The Attribute cannot be deleted because it is being used by one or more Primary Keys.

Explanation: You are trying to delete a column that is part of the primary key definition for the table.

User Response: Before deleting this column, remove it from the primary key definition for the table. In the Table notebook, select the **Primary** tab, and remove the column from the definition.

DWC03170E The Attribute cannot be deleted because it is being used by one or more Foreign Keys.

Explanation: You are trying to delete a column that is part of one or more foreign key definitions.

User Response: Before deleting this column, remove it from the foreign key definitions. Open the Table notebook for the tables with the foreign key definition. Select the **Foreign** tab, and remove the column from the definitions.

DWC03171E The Table/File cannot be deleted or renamed because it is being used by one or more steps.

Explanation: You are trying to delete a table or file that is specified for a Data Warehouse Center Program in use by a step.

User Response: Before deleting the table or file, remove it from the step. You can see a list of steps using the table by selecting the **Usage** tab on the Table Notebook.

DWC03301E A Resource attached to step - *step-name* - as a target Resource did not set the warehouse flag.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03302E A resource that is attached to a step as a source resource does have the warehouse flag set indicating this is a warehouse resource.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03303E A Resource is associated with a Security Group as both a source and target.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03304E A Resource - *resource-name* - is associated with a Security Group as a source but the iswarehouse flag is set, indicating this is a warehouse.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03305E A Resource - *resource-name* - is associated with a Target Group as a target but the iswarehouse flag is NOT set, indicating this is NOT a warehouse.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03306E A Resource - *resource-name* - is associated with a Data Warehouse Center program that is not a DB2 stored procedure.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03307E A Data Resource's (table) file type is not set correctly based on the database type of the Information Resource it is associated with.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03308E An Agent Site is being created or updated with a blank name.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03309E An Agent Site is being created or updated with an invalid type.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03310E An AIX Agent Site is being created or updated with no user ID specified.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03311E The subdbType set for a resource - *resource-name* - is invalid for the dbType specified.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03312E The target column being removed is associated with a step that is in test mode and is referencing this column.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error

message and contact IBM Software Support with the information.

DWC03466E The select parameter for the listNext() method has not been initialized.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03470E An invalid DB2columnbuffer list was passed to the database object.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03471E An invalid parameter pointer list was passed to the database object.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03477E A create or update was issued with the 'name' field of the database not initialized.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03479E A create or update was issued with the 'dbType' field of the database - *database-name* - not initialized.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03480E A create or update was issued with the 'subDbType' field of the database - *database* - not initialized.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03483E The table being updated has one or more steps associated with it that are in production mode. Update was successful but the steps may need to be modified.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03484E The passed-in target database object was not valid.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03485E The table being created is missing the 'IRName' or 'name' attribute initialization.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03486E The passed in table is not valid.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03487E The database type must be a Local files or Remote files type to use this method.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03488E The password in the connect string must be keyed in.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03489E Database *database-name* cannot be removed from agent site *agent-site-name* because they are being used by one or more steps.

Explanation: You are trying to remove a source or target database from an Agent Site Selected List and one or more steps use the database and the agent site.

User Response: Before you can remove the database from the agent site, you must remove the references to the database and agent site from the steps.

DWC03490E Target *target name* exceeds maximum length allowed for table name for the target database. Maximum table name length is *name-length*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03491E Database subType not defined in internal target table. Internal error.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03492E The parameter list for creating the new KeyMap objects is empty.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03493E The warehouse Primary Key cannot be deleted or changed because it is being used by one or more warehouse Foreign Keys.

Explanation: You are trying to delete a warehouse primary key definition that is in use by one or more warehouse foreign key definitions.

User Response: Before deleting the warehouse primary key definition, remove the reference to this warehouse primary key in the warehouse foreign key definition.

DWC03501E *User name cannot be removed from security group group-name because there are no other security groups having Administrative Authority and have this user in it.*

Explanation: You are trying to remove the logged on user, *name*, who has Administrative privileges, from a security group, but that user does not belong to any other security groups with Administrative privileges. A logged-on user who currently has Administrative privileges (through a security group) cannot lose that authority while logged on to the Data Warehouse Center Desktop.

User Response: Before removing the logged-on user from the security group, add the user to another security group with Administrative privileges.

DWC03502E *The current logged on Data Warehouse Center user cannot be deleted.*

Explanation: You are trying to delete a logged-on user, which cannot be deleted.

DWC03503E *The Administration Privilege cannot be removed from Security Group security-group-name because there are no other Security Groups having Administrative Authority that have this user in it.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03504E *User ID user-ID cannot be created because it contains a user ID that is already assigned to an existing user.*

Explanation: Each user in the Data Warehouse Center must have a unique user ID. Please choose a unique user ID.

User Response: Choose a user ID that does not conflict with an existing user ID.

DWC03700E *An invalid schedule type was passed to calculate next stepSchedule.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03701E *An invalid day-of-week was passed to set-day-of-week in stepSchedule.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03702E *An invalid day-of-month was passed to set-day-of-month in stepSchedule.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03703E *An invalid month-of-year was passed to set-month-of-year in stepSchedule.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03704E *An invalid schedule frequency was passed to stepSchedule.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03705E Invalid status for step for this particular operation.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03706E A Data Warehouse Center internal error occurred.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03707E Step *step-name* is recursive with either its children, parents, or cascades currently defined.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03708E The step relationship to step alias is not initialized.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03709E The target database associated with this step alias's step is not initialized.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03710E The step relationship to AttributeLink is not initialized.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03711E The storage buffer for the listNext() method has not been initialized.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03712E The select parameter for the listNext() method has not been initialized.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03713E The target database is not initialized in the step.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03714E The input database list is not initialized in the step.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03716E The input parameters for the deepCopy() method are not set.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03717E The source step input parameter on the deepCopy() method has not been retrieved or created yet.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03719E The object passed in is not a token.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03726E Step *step-name* cannot be promoted because it has a transient target and it either has a schedule or a cascade.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03729E Step - *step-name* - has no associated output database.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03730E The step - *step-name* - has no Agent Site assigned.

Explanation: A Data Warehouse Center error occurred.

User Response: Please assign an Agent Site and re-promote.

DWC03735E Step *step-name* does not have at least one column that is extracted from either a source table or literal.

Explanation: You are trying to create a step.

User Response: Return to column mapping tab of the step notebook and add at least one column.

DWC03737E Step *name* does not have at least one column that is either pulled from a source table or a literal.

Explanation: You are trying to promote to Test status a step that specifies that the target table be created by the Data Warehouse Center, but the target table does not have a column defined that is either extracted from a source column or is a literal.

User Response: You must add at least one column to the target table that is either pulled from a source column or a literal.

DWC03743E The table *table-name* has no columns associated with it.

Explanation: This error can only occur if you are promoting to Test and the target table does not have any columns defined in the target table definition.

User Response: Go to the Properties of the Target Table notebook and make sure that you define the appropriate number of columns for the target table. If the target table definition was created as a default target table by way of the

Step notebook, make sure that you have selected columns from a source.

DWC03744E Step - A database has no input attribute.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03745E Step - A database has no output attribute.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03746E Step - A program function has no program name.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03747E Step -*step-name* - A program function has no function name.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03751E 'Max editions' value for step *step-name* is set to 0.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03754E An invalid map type was encountered.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03755E Step: *step-name* has a child step named: *step-name* that is in development.

Explanation: You are trying to promote to Test status a step that has one or more source (child) steps that are in Development status.

User Response: You must promote to Test status all the source (child) steps of the parent step before the parent step can be promoted to Test status.

DWC03756E Step: *step-name* has a child step named: *step-name* that is NOT in Production state.

Explanation: You are trying to promote to Production a step that has one or more source (child) steps that are still in Development or Test status.

User Response: You must promote to Production status all the source (child) steps of the parent step before the parent step can be promoted to Production status.

DWC03757E Step: *step-name* has a parent step named: *step-name* that is in NOT in Development state.

Explanation: You are trying to demote to Development status a step that has one or more target parent steps that are in Test or Production status.

User Response: Before you can demote the step to Development status, you must demote to Development status any steps that use this step as a source.

DWC03758E Can only change max editions field when a step has development or test status.

Explanation: You are trying to change the edition number for a step. You cannot do this because this step has production status.

User Response: Demote the step to test or development status. Then, change the step edition.

DWC03759E Can only change atomic flag field when a step is in Development state.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03765E Step: *step-name* has a parent step named: *parent-step-name* that is in Production state.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03766E Step: *step-name* cannot be activated. It has no schedules, cascades, or no by request capability.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03767E Step: *name's* select statement refers to a Data Warehouse Center token '&cur_edtn.ddd.ttt' where 'ddd' or 'ttt' is invalid.

Explanation: You have specified a Data Warehouse Center Token &cur_edtn.ddd.ttt, where the values of ddd, the target database name and ttt is the target table name, are not valid. The Data Warehouse Center was unable to find a step that has a target table name of ttt in a warehouse with a database name of ddd. The &cur_edtn.ddd.ttt token gets the current step edition number for a step in the specified database with the specified target table.

User Response: Correct the value of ddd, ttt, or both, to match a target table in a Data Warehouse Center warehouse that is associated with a step.

DWC03768E Step: *step-name's* select statement refers to a Data Warehouse Center token '&cur_edtn.ddd.ttt' where there are no editions for the step associated with 'ddd.ttt'.

Explanation: You have specified a Data Warehouse Center Token &cur_edtn.ddd.ttt, where ddd is the target database name, and ttt is the target table name. The step associated with this target table in this target database does not have any editions stored in the target table. The &cur_edtn.ddd.ttt token gets the current step edition number for a step in the specified database with the specified target table.

User Response: Correct the value of ddd, ttt, or both, to match a target table in a Data Warehouse Center warehouse that is associated with a step that specifies one or more editions. Also, verify on the Work in Progress window that the step has run.

DWC03774E Cannot add new columns to step *step-name* because target Resource is AS/400 V3.1 and does not support SQL ALTER command.

Explanation: A Data Warehouse Center error occurred.

User Response: Do not try to add columns after a table has been created. Stop and create the table again with the new columns.

DWC03775E The list of new ProgParms to create is empty.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03776E Cannot delete the Data Warehouse Center Program because it is being used by a step.

Explanation: You are trying to delete a Data Warehouse Center Program that is in use by one or more steps.

User Response: Select the **Usage** Tab of the Program notebook to determine what steps are using this Data Warehouse Center Program. Before deleting this Data Warehouse Center Program, change any references to the Data Warehouse Center Program in the steps.

DWC03777E Cannot delete the Data Warehouse Center Program because it is being used by one or more steps as a Cascaded Data Warehouse Center Program.

Explanation: You are trying to delete a Data Warehouse Center Program that one or more steps uses as a conditional cascade program.

User Response: Select the **Usage** tab of the Program notebook to determine what steps are using this Data Warehouse Center Program. Before deleting this user - defined program, delete or change any references to the Data Warehouse Center Program in the steps by clicking **Program** in the Schedule page of the step notebook.

DWC03778E Cannot delete a Data Warehouse Center default Data Warehouse Center Program Group.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03779E Cannot delete the Data Warehouse Center Program Group because it contains one or more Data Warehouse Center Programs.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03780E The Data Warehouse Center token selected in the Data Warehouse Center Program parameter command string is not a valid one.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03783E The Program Function - *progfunc-name* - associated object is not set up.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03784E The Program Type associated with this Data Warehouse Center Program - *prog-name* - is not set up.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03786E Step *step-name-1* has a warehouse Foreign Key that references a Warehouse Primary Key associated with step *step-name-2* that is NOT in Test or Production state.

Explanation: You are trying to promote a step that refers to a warehouse primary key that is associated with a step that has development status. You must promote the step that is associated with the warehouse primary key first.

User Response: Promote the step that is associated with the warehouse primary key to test or production status. Then, you can promote the step that has the warehouse foreign key that refers to the warehouse primary key.

DWC03787E Step *step-name-1* has a warehouse Primary Key that references one or more warehouse Foreign Keys associated with step *step-name-2* that is NOT in Development State.

Explanation: You are trying to demote a child step before you demote the parent step.

User Response: Demote the step that has the warehouse foreign keys to development. Then, you can demote the step that has the warehouse primary key.

DWC03788E The warehouse Primary Key defined for step *step-name* cannot be deleted or changed because it is being used by one or more warehouse Foreign Keys.

Explanation: You cannot delete or change a warehouse primary key that is being referred to by one or more warehouse foreign keys.

User Response: Demote to development the steps that have the warehouse foreign keys that refer to the warehouse primary key. Or, remove the warehouse foreign keys from these steps. Then, you can delete or change your warehouse primary key.

DWC03791E Step *step-name* is using a Data Warehouse Center Program that has a parameter containing blank data in the Parameter Text field. This must be provided before Promote.

Explanation: You cannot promote a step that refers to a program definition which contains undefined parameters.

User Response: Provide a definition for the undefined parameter. To do this, open the parameter list for your program and define any parameters that have blank fields. If you want to define the parameter for the program as it runs with a particular step, access the parameter list through the step notebook for the step. If you want to define a parameter for the definition of the program, access the parameter list.

DWC03792E Each comparison value for IN and NOT IN must be enclosed in single quotes. For example, enter values abc and def as 'abc', 'def'. Re-enter the correct values.

Explanation: The value you entered in the Values field is not valid for **in** or **not in** operators. All string values entered for the following comparison operators must be enclosed in single quotes:

- **in**

- **not in**
- **like**
- **not like**
- **between**
- **not between**

For more information on valid values, see the Data Warehouse Center online help for "Locate".

User Response: Re-enter a valid string in the Values field.

DWC03793E Comparison values for IN and NOT IN cannot have non-blank characters in between the ending single quote of a value and the comma separator. For example, enter values abc and def as 'abc', 'def'. Re-enter the correct values.

Explanation: The value you entered in the Values field is not valid for **in** or **not in** operators. You cannot have non-blank characters between the ending quote of a value and the comma. This message applies to the following comparison operators:

- **in**
- **not in**
- **between**
- **not between**

For more information on valid values, see the Data Warehouse Center online help for "Locate".

User Response: Re-enter a valid string in the Values field.

DWC03794E Comparison values for IN and NOT IN cannot have non-blank characters in between the comma separator and the beginning single quote of the next value. For example, enter values abc and def as 'abc', 'def'. Re-enter the correct values.

Explanation: The value you entered in the Values field is not valid for **in** or **not in** operators. You cannot have non-blank characters

in between the beginning single quote of a value and the comma. For more information on valid values, see the Data Warehouse Center online help for "Locate".

User Response: Re-enter a valid string in the Values field.

DWC03795E Comparison values IN and NOT IN require parameters, for example, 'abc', 'def'. Re-enter the correct values.

Explanation: The value you entered in the Values field is not valid for **in** or **not in** operators. The value might not be enclosed in quotes or it is missing a closing single quote. All string values entered for the following comparison operators must be enclosed in single quotes:

- **in**
- **not in**
- **like**
- **not like**
- **between**
- **not between**

For more information on valid values, see the Data Warehouse Center online help for "Locate".

User Response: You might need to enclose the Value in the **Values field** in quotes or you might need to add a closing single quote to the end of the value. See the Data Warehouse Center online help for the proper format of values that use the IN and NOT IN comparison operators.

DWC03796E A beginning single quote is missing from the value in the Values field. Each comparison value for BETWEEN and NOT BETWEEN must be enclosed in single quotes. For example, enter values abc and def as 'abc', and 'def'. Re-enter the correct values.

Explanation: The value you entered in the Values field is missing a beginning single quote. All string values entered for the following

operators must be enclosed in single quotes:

- **in**
- **not in**
- **like**
- **not like**
- **between**
- **not between**

For more information on valid values, see the Data Warehouse Center online help for "Locate".

User Response: Add a beginning single quote to the value in the **Values** field.

DWC03797E An ending single quote is missing from the value in the **Values** field. Each comparison value for **BETWEEN** and **NOT BETWEEN** must be enclosed in single quotes. For example, enter values abc and def as 'abc', and 'def'. Re-enter the correct values.

Explanation: The value you entered in the **Values** field is missing an ending single quote. All string values entered for the following operators must be enclosed in single quotes:

- **in**
- **not in**
- **like**
- **not like**
- **between**
- **not between**

For more information on valid values, see the Data Warehouse Center online help for "Locate".

User Response: Add an ending single quote to the value in the **Values** field.

DWC03798E Comparison values for **BETWEEN** and **NOT BETWEEN** cannot have non-blank characters in between the ending single quote of a value and the **AND** separator. For example, enter values abc and def as 'abc' and 'def'. Re-enter the correct values.

Explanation: The value you entered in the **Values** field is not valid for **between** or **not between** operators. You cannot have non-blank characters in between the ending quote of a value and the **and** separator. For more information on valid values, see the Data Warehouse Center online help for "Locate".

User Response: Re-enter a valid string in the **Values** field.

DWC03799E Comparison values for **BETWEEN** and **NOT BETWEEN** cannot have non-blank characters in between the **AND** separator and the beginning single quote of the next value. For example, enter values abc and def as 'abc' and 'def'. Re-enter the correct values.

Explanation: The value you entered in the **Values** field is not valid for **between** or **not between** operators. You cannot have non-blank characters in between the **and** separator and the beginning quote of the next value. For more information on valid values, see the Data Warehouse Center online help for "Locate".

User Response: Re-enter a valid string in the **Values** field.

DWC03800E Comparison values **BETWEEN** and **NOT BETWEEN** cannot not have non-blank characters after the last value. Delete extra non-blank characters that follow the ending quote for the last value in the **Values** field.

Explanation: The value you entered in the **Values** field is not valid for **between** or **not between** operators. You cannot have non-blank

characters following the last value in the **Values** field. For more information on valid values, see the Data Warehouse Center online help for "Locate".

User Response: Delete any non-blank characters that follow the ending quote for the last value in the **Values** field.

DWC03801E Step is being created or updated without a 'name' specified. Must specify a unique name for a step.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03802E Step *step-name* is being created or updated with an invalid value for *stepType*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03803E Step is being created or updated with the *atomicFlag* set incorrectly. Step either has target and source databases the same or should set *atomicFlag* to FALSE.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03804E Step *step-name* being created or updated is not associated with either a Warehouse or Subject.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error

message and contact IBM Software Support with the information.

DWC03805E Step *step-name* being created or updated is associated with a target table that is not in the step's Warehouse.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03806E Step *step-name* being created or updated is associated with a target table that is not in the step's Warehouse.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03807E Step *step-name* being created or updated is associated with source resource but the source tables are not associated with the step's source database.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03808E Step *step-name* being created or updated is associated with source resource but it has no source tables associated with it.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03809E Step *step-name* being created or updated is associated with a source table which is a target table from another step but that child step is not in the child step relationship.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03810E Step *step-name* being created or updated does not have an Update Security Group associated with it.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03811E Data Warehouse Center program grouping has no name on a create or update.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03812E Data Warehouse Center program definition has no name on a create or update.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03813E Data Warehouse Center program definition has no program name specified on a create or update.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03814E Data Warehouse Center program definition *definition-name* is not associated with a Program Group.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03815E Data Warehouse Center program instance *instance-name* is not associated with a step.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03816E Data Warehouse Center program instance *instance-name* is not associated with a program definition.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03817E Data Warehouse Center program parameter is being created or updated without a name.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03818E Data Warehouse Center program parameter *parameter-name* is associated with a Program Function, Trigonometric Function, or Aggregate Function.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03819E Data Warehouse Center program parameters associated with a Program Function, Trigonometric Function, or Aggregate Function called *function-name* does not have unique ordering.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03820E Subject is being created or updated without a specified name.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03821E Step being demoted to development has target table that is being used by another step that is in either test or production state.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error

message and contact IBM Software Support with the information.

DWC03826E stepSchedule - attribute mismatch during equalize of two schedules.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03827E stepSchedule - an invalid copy to itself was attempted.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03828E stepSchedule - an invalid copy from itself was attempted.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03829E stepSchedule - an invalid value was specified for set-minute.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03830E stepSchedule - an invalid value was specified for set-second.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03831E **stepSchedule - an invalid value was specified for set-hour.**

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03832E **stepSchedule - an invalid value was specified for set-year.**

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03834E **The logged on user has not been initialized in the Data Warehouse Center.**

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC03835E **The subject cannot be deleted because it contains one or more processes.**

Explanation: You are trying to remove a subject that contains one or more processes. You need to remove the processes from the subject before you can remove the subject.

User Response: Remove the processes from the subject before you remove the subject.

DWC03836E **The object has steps associated with it and cannot be removed.**

Explanation: You are trying to remove a particular object that still has steps associated with it. You must remove the associated steps before you remove the object.

User Response: Remove the steps from the

object before you remove the object.

DWC03837E **There are existing Steps that are in production that use this step as a source. Remove of target not done.**

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC03838E **There are existing steps in this process that use this table as a source. The source table was not removed.**

Explanation: You are trying to remove a table from a process but there are steps in the process that are using this table as a source table. You must first remove the data links between the table and the step(s) before removing the table from the process.

User Response: Remove the data links between the table and the step(s) before you remove the table from the process.

DWC03839E **There are existing steps in this process that use this table as a target. The target table was not removed.**

Explanation: You are trying to remove a table from the process but one or more steps in the process are using this table as a target table.

User Response: Remove the data link between this table and the step before you try to remove the table from the process.

DWC03840E **The source or target table being attached to this step is not one of the tables associated with this process. The table was not attached.**

Explanation: The source or target table that you are trying to attach to the step is not associated with this process.

User Response: The source or target table that you are trying to attach to the step is not

associated with this process.

DWC03846E The name of the step cannot be changed because the step is currently running.

Explanation: You are trying to change the name of a step that is in test or production mode and that step is currently running.

User Response: Please change the name of the step when the step is not running. You can use the WIP to determine if the step is currently running.

DWC05001E A call to new failed. Memory name: *memory-name*. Attempted size: *attempted-size*.

Explanation: An internal error occurred. Insufficient memory.

User Response: Close open windows or applications to free up memory.

DWC05002E Invalid command line arguments received.

Explanation: You are attempting to run a Data Warehouse Center program that has invalid command line arguments.

User Response: You entered an incorrect number of command line arguments for your Data Warehouse Center program. Re-enter the command.

DWC05003E An invalid log message type was received.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC05004E The Log Server could not open the Data Warehouse Center license file *file-name*. The warehouse server could NOT be started.

Explanation: The Data Warehouse Center license file is damaged or corrupt.

User Response: Reinstall Data Warehouse Center.

DWC05005E The Log Server could not read the Data Warehouse Center license file *file-name*. The Data Warehouse Center server could NOT be started.

Explanation: The Data Warehouse Center license file is damaged or corrupt.

User Response: Reinstall Data Warehouse Center.

DWC05006E Your Data Warehouse Center license file has expired. The warehouse server could NOT be started. Please contact your IBM sales representative.

Explanation: The Data Warehouse Center license file expired.

User Response: Contact your IBM sales representative.

DWC05007E Attention: Your Data Warehouse Center license file will expire in *number-of days* (the warehouse server will be started). Please contact your IBM sales representative soon!

Explanation: Your Data Warehouse Center license is about to expire.

User Response: Contact your IBM sales representative.

DWC05008E The program cannot load the db2licm.dll file.

Explanation: The db2licm.dll file cannot be found.

User Response: Make sure that db2licm.dll is in the correct DB2 path (SQLLIB\BIN).

DWC05009E The entry point for LicRequestAccess cannot be found in the db2licm.dll file.

Explanation: The db2licm.dll file may have been corrupted.

User Response: Make sure that the db2licm.dll file is good.

DWC05010E The server, logger, or agent program cannot be started.

Explanation: The license has expired, or it does not have the authority to execute the command (agent), or the program has no license.

User Response: Check to make sure that there is an appropriate license.

DWC06001E A Receive() or HaltReceive() was attempted before calling InitializeReceive().

Explanation: A Data Warehouse Center internal error occurred.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC06002E A call to new failed. Memory name: *name*. Attempted size: *size*.

Explanation: A Data Warehouse Center internal error occurred.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC06003E A Send() was attempted before calling InitializeSend().

Explanation: A Data Warehouse Center internal error occurred.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC06004E The number of bytes specified in the socket message is invalid. Expected receive count in bytes: *count*. Actual receive count in bytes: *count*.

Explanation: A Data Warehouse Center internal error occurred.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC06005E The data buffer to be sent is too long. Allowed length in bytes: *length*. Requested length in bytes: *length*.

Explanation: A Data Warehouse Center internal error occurred.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC06100E Unable to initialize the TCP/IP environment.

Explanation: The Windows NT TCP/IP sockets software cannot initialize itself.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine. If so, restart the machine and retry the operation.

DWC06101E The socket cleanup routine failed.

Explanation: The Windows NT TCP/IP sockets software cannot terminate itself.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine. If so, restart the machine and retry the operation.

DWC06102E The call to the socket function socket() failed.

Explanation: The Windows NT TCP/IP sockets software cannot terminate itself.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06103E The call to socket function bind() failed. Port#: port-number.

Explanation: One of the following errors occurred:

- A network subsystem failed.
- Either the port number that the Data Warehouse Center was trying to use is already in use by something else or there are no more free ports available.

- Too many TCP/IP connections already exist; there are not enough buffers available.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Verify that all local ports are not in use. Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06104E The call to the socket function listen() failed. Instance count: count.

Explanation: The Windows NT TCP/IP sockets software cannot terminate itself.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06105E The call to the socket function connect() failed. Destination host: hostname. Destination port: port-ID. Retry count: count. Retry interval: interval.

Explanation: The Windows NT TCP/IP sockets software cannot connect to a partner process, failing with an error other than ECONNREFUSED.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06106E Repeated calls to the socket function `connect()` failed. The message could not be sent. Destination host: *hostname*. Destination port: *port-ID*. Connections attempted: *amount*. This may mean that the partner process is not loaded or is not listening on the assumed port.

Explanation: Either the Data Warehouse Center could not establish a TCP/IP connection to a partner process, an agent process terminated abnormally, or your Data Warehouse Center license has expired.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Ensure that the warehouse server, logger, and remote agent daemon (if applicable) are running in NT Services. Or, if your Data Warehouse Center license has expired, contact your IBM Software Support.

DWC06107E The call to the socket function `accept()` failed.

Explanation: The TCP/IP sockets software cannot accept data from a partner process.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06108E The call to the socket function `recv()` failed while attempting to receive the message length bytes. Expected length in bytes: *length*.

Explanation: The TCP/IP sockets software aborted while receiving the first four bytes of data from a partner process.

The secondary return code (if one exists) displays

an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06109E The call to the socket function `recv()` failed while attempting to receive the message data. Expected length in bytes: *length*.

Explanation: The TCP/IP sockets software aborted while receiving the message data from a partner process.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06110E The call to the socket function `send()` failed. Destination host: *hostname*. Destination port: *port-ID*. Message length in bytes: *length*.

Explanation: The TCP/IP sockets software aborted while receiving the first four bytes of data from a partner process.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06111E The call to the socket function `closesocket()` failed.

Explanation: The TCP/IP sockets software cannot close a socket connected to a partner process.

The secondary return code (if one exists) displays

an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06112E The call to the socket function `getsockname()` failed. **Port#:** *port-number*.

Explanation: The TCP/IP sockets software cannot obtain the address of the current socket.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06113E The call to the socket function `gethostbyname()` failed. **Hostname:** *hostname*.

Explanation: The TCP/IP sockets software cannot retrieve the symbolic hostname. Verify that the `\etc\hosts` file exists.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

You may consider adding the target hostname with the domain name (if it is available) in your `\etc\hosts` file.

DWC06114E The call to the socket function `gethostname()` failed.

Explanation: The TCP/IP sockets software cannot retrieve the symbolic hostname.

The secondary return code (if one exists) displays

an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06115E The call to the socket function `getservbyname()` failed. **Service name:** *service-name*.

Explanation: The TCP/IP sockets software cannot retrieve the symbolic service name from the `\etc\services` file.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Verify that the `etc\services` file exists. Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06116E The call to the socket function `inet_ntoa` failed. **Hostname:** *hostname*.

Explanation: The TCP/IP sockets software cannot convert the 32 bit Internet address to dotted decimal notation.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Make sure that TCP/IP is fully installed and configured on this machine, and the network is operational. If so, restart the machine and retry the operation.

DWC06117E The warehouse server *hostname* on **port#** *port-ID* is not responding at this time.

Explanation: The warehouse server *hostname* on *port# port-id* is not responding at this time.

The secondary return code (if one exists) displays an error number that is returned by your operating system.

User Response: Go to the Services applet on the control panel and check the state of the Data Warehouse Center Server and the Data Warehouse Center Logger Services. Restart one or both if necessary.

DWC06118E Your logon attempt to the warehouse server failed.

Explanation: The Data Warehouse Center client attempted to use all of the available local client IP addresses to communicate to the warehouse server. However, none of the local client IP addresses were able to receive responses from the warehouse server.

User Response: Verify that your warehouse server is active and that the TCP/IP communication between your local client and the warehouse server is active.

DWC06119E The warehouse client failed to receive a response from the warehouse server.

User Response: Verify that the warehouse server is active and that the TCP/IP communication between your local client and warehouse server is active. Then close the Data Warehouse Center and logon again.

DWC06200E An unexpected communications error has occurred.

Explanation: Either TCP/IP is not configured correctly or you specified the wrong server when you logged on.

User Response: Verify that TCP/IP is configured correctly. If TCP/IP is configured correctly, ensure that the server you specified when you logged on is correct.

DWC07000E The warehouse server was unable to retrieve step *step-name*. The error occurred while processing a job of type *job-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata for the step.

User Response: Verify that the step definition still exists and the control database is still accessible from the warehouse server machine. If the problem persists, record all details of this error message and contact IBM Software Support with the information.

DWC07001E The warehouse server was unable to update step *step-name*. The error occurred while processing a job of type *job-type*.

Explanation: Data Warehouse Center was unable to save in the control database changes to a step definition.

User Response: Verify that the step definition still exists and the control database is still accessible from the warehouse server machine. If the problem persists, record all details of this error message and contact IBM Software Support with the information.

DWC07003E The warehouse server was unable to change the status of step *step-name*. The error occurred while processing a job of type *job-type*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07005E The warehouse server was unable to construct the select statement for step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the SQL defined for a step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07006E The warehouse server was unable to construct the insert statement for step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata required to build the SQL to insert rows into the target table.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07007E The warehouse server was unable to construct the delete statement for step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata required to build an SQL delete statement.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07008E The warehouse server was unable to construct the create statement for step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata required to build a CREATE TABLE statement.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07009E The warehouse server was unable to construct the drop statement for step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata required to build a DROP TABLE statement.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07010E The warehouse server was unable to retrieve the retry count for step *step-name*. The error occurred while processing a job of type *job-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the maximum number of retry attempts for the step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07011E The warehouse server was unable to retrieve the retry interval for step *step-name*. The error occurred while processing a job of type *job-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the

retry interval for the step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07012E The warehouse server was unable to list the child steps of step *step-name*. The error occurred while processing a job of type *job-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the list of child steps for the step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07013E The warehouse server was unable to list the concurrently-cascaded steps of step *step-name*. The error occurred while processing a job of type *job-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the list of steps that are cascaded by the given step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07014E The warehouse server was unable to list the cascaded steps of step *step-name*. The error occurred while processing a job of type *job-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the list of steps that are cascaded by the given step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07015E The warehouse server was unable to list the schedules of step *step-name*. The error occurred while processing a job of type *job-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the schedules for the step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07016E The warehouse server was unable to calculate the next scheduled population of step *step-name*. The error occurred while processing a job of type *job-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to calculate the next date in a recurring schedule.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07017E The warehouse server was unable to retrieve database *database-name*. The error occurred while processing a job of type *job-type*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata for the database.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07018E The warehouse server was unable to retrieve the source database for step *step-name*. The error occurred while during *operation-type* processing for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata for the source database. The Data Warehouse Center attempted to retrieve the data while performing the specified type of operation.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07019E The warehouse server was unable to retrieve the target database for step *step*. The error occurred during *operation-type* processing for edition *edition-number*.

Explanation: The warehouse server was unable to retrieve the target database for step *step-name*. The error occurred while during *operation-type* processing for edition *edition-number*.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07020E The warehouse server was unable to retrieve the attribute mapping information for step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata required to map the selected columns of the SELECT statement for the source tables to the columns of the INSERT statement for the target table.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07021E The warehouse server was unable to retrieve an output attribute of step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata for the columns of the INSERT statement for the target table.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07022E The warehouse server was unable to retrieve an input attribute of step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata for the columns of the SELECT statement for the source tables.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07023E The warehouse server was unable to retrieve the agent site for step *step-name*. The error occurred while processing edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata required to connect to an agent site.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07024E The warehouse server was unable to retrieve the agent site for database *database-name*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the agent site metadata for the database.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07025E The warehouse server was unable to retrieve the aggregation function for step *step-name*. The error occurred during *operation-type* processing for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata for a Data Warehouse Center Program.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07026E The warehouse server was unable to retrieve the target database for step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata for the target database.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07027E The warehouse server was unable to list the source databases for step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata for the target database.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07028E The warehouse server was unable to retrieve the conditional cascade function for step *step-name*. The error occurred during *job-type* processing for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata for a conditional cascade program or postprocessing program.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07029E The warehouse server was unable to list the steps conditionally cascaded from step *step-name*. The error occurred while processing a job of type *job-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the list of steps to which the given step conditionally cascades.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07030E The warehouse server was unable to get the grant statements for step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: The warehouse server was unable to retrieve from the control database the SQL GRANT statements for the step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07031E The warehouse server was unable to list the aliases for step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the list of Data Warehouse Center-defined aliases for the step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07032E The warehouse server was unable to get the create statement for alias *alias-name* of step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata required to generate the SQL to create an alias for the step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07033E The warehouse server was unable to get the drop statement for alias *alias-name* of step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata required to generate the SQL to drop an alias for the step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07034E The warehouse server was unable to list the source columns for step *step-name*. The error occurred while processing a command of type *command-type* for edition *edition-number*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata for the attributes of the step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07035E The warehouse server was unable to retrieve user *user-name*. The error occurred in response to an authentication request from client *client-name*.

Explanation: Data Warehouse Center was unable to retrieve the specified user ID from the control database.

User Response: Verify that the user ID provided is correct and is still defined to the Data Warehouse Center server.

DWC07036E The warehouse server was unable to retrieve the step from target database *database-name*. The error occurred while processing a command of type *command-type*.

Explanation: Data Warehouse Center was unable to retrieve from the control database a step associated with the target database.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07037E The warehouse server was unable to retrieve the connect string for edition *edition-number* of step *step-name*. The error occurred while processing a command of type *command-type*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the ODBC connect string that must be used to connect to the target database.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07038E The warehouse server was unable to construct the alter statement for step *step-name*. The error occurred while processing a command of type *command-type*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata required to build an SQL ALTER

TABLE statement for the step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07039E The warehouse server received an invalid stepType, identifier, for step *step-name* from the control database.

Explanation: A Data Warehouse Center internal error occurred or the control database contains invalid metadata.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07040E The warehouse server received an invalid program type, *program-type-identifier*, for step *step-name* from the control database.

Explanation: A Data Warehouse Center internal error occurred or the control database contains invalid metadata.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07041E The warehouse server could not generate a Data Warehouse Center Program command line for edition *edition-number* of step *step-name*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the command-line parameters for a Data Warehouse Center Program.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07042E The warehouse server could not generate an SQL CALL statement for edition *edition-number* of step *step-name*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the

metadata required to generate an SQL CALL statement for a stored procedure.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07043E The warehouse server could not retrieve the database data for a stored procedure for edition *edition-number* of step *step-name*.

Explanation: The warehouse server could not retrieve the target database from the step.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07044E The warehouse server was unable to list the fail-cascaded steps of step *step-name*. The error occurred while processing a job of type *job-type* for edition *edition-number*.

Explanation: The warehouse server could not list the fail-cascaded steps.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07045E The warehouse server was unable to list the steps fail-triggered from step *step-name*. The error occurred while processing a job of type *job-type* for edition *edition-name*.

Explanation: The warehouse server was unable to list the steps fail-triggered from step *step-name*. The error occurred while processing a job of type *job-type* for edition *edition-name*.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07046E The warehouse server could not retrieve the Data Warehouse Center Program parameters data for a stored procedure for edition *edition-number* of step *step-name*.

Explanation: Data Warehouse Center could not retrieve the data of the stored procedure's parameter(s) from the control database.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07047E The warehouse server was unable to update the configuration parameter of component name *component-name* and value *value*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07048E The warehouse server was unable to retrieve the data resource ID from the control database.

Explanation: The warehouse server was unable to retrieve the data resource ID from the control database.

User Response: Verify that a connection exists between the warehouse server and the control database. If a connection still exists, record all details of this error message and contact IBM Software Support with the information.

DWC07049E The warehouse server was unable to retrieve the authority of the user from the control database.

Explanation: The warehouse server was unable to retrieve the authority of the user from the control database.

User Response: Verify that the user ID and password are correct. (The user ID and password are case sensitive.) If the problem persists, record all the details of this error message and contact IBM Software Support with the information.

DWC07050E The warehouse server was unable to create edition *edition-number* of step *step-name*.

Explanation: A Data Warehouse Center internal error occurred or the control database contains invalid metadata.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07051E The warehouse server was unable to schedule edition *edition-number* of step *step-name*.

Explanation: The warehouse server was unable to update its control tables.

User Response: Verify that the warehouse server still has connectivity to the control database. If a connection still exists, record all the details of this error message and contact IBM Software Support with the information.

DWC07052E The warehouse server was unable to start the population of edition *edition-number* of step *step-name*.

Explanation: The warehouse server was unable to update its control tables.

User Response: Verify that the warehouse server still has connectivity to the control database. If a connection still exists, record all the details of this error message and contact IBM Software Support with the information.

DWC07053E The warehouse server was unable to complete the population of edition *edition-number* of step *step-name*.

Explanation: The warehouse server was unable to update its control tables.

User Response: Verify that the warehouse server still has connectivity to the control database. If a connection still exists, record all the details of this error message and contact IBM Software Support with the information.

DWC07054E The warehouse server was unable to start the purge of edition *edition-number* of step *step-name*.

Explanation: The warehouse server was unable to update its control tables.

User Response: Verify that the warehouse

server still has connectivity to the control database. If a connection still exists, record all the details of this error message and contact IBM Software Support with the information.

DWC07055E The warehouse server was unable to handle the failure of the purge of edition *edition-name* of step *step-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07056E The warehouse server was unable to delete edition *edition-number* of step *step-name*.

Explanation: The warehouse server was unable to update its control tables.

User Response: Verify that the warehouse server still has connectivity to the control database. If a connection still exists, record all the details of this error message and contact IBM Software Support with the information.

DWC07057E The warehouse server was unable to delete the scheduled editions of step *step-name*.

Explanation: The warehouse server was unable to update its control tables.

User Response: Verify that the warehouse server still has connectivity to the control database. If a connection still exists, record all the details of this error message and contact IBM Software Support with the information.

DWC07058E The warehouse server was unable to delete the editions of step *step-name*.

Explanation: The warehouse server was unable to update its control tables.

User Response: Verify that the warehouse server still has connectivity to the control

database. If a connection still exists, record all the details of this error message and contact IBM Software Support with the information.

DWC07059E The warehouse server was unable to retrieve edition *edition-number* of step *step-name*. The error occurred during the processing of a job of type *job-type*.

Explanation: The warehouse server was unable to query its control tables.

User Response: Verify that the warehouse server still has connectivity to the control database. If a connection still exists, record all the details of this error message and contact IBM Software Support with the information.

DWC07060E The warehouse server was unable to retrieve the oldest edition of step *step-name*. The error occurred during the processing of a job of type *job-type*.

Explanation: The warehouse server was unable to query its control tables.

User Response: Verify that the warehouse server still has connectivity to the control database. If a connection still exists, record all the details of this error message and contact IBM Software Support with the information.

DWC07061E The warehouse server was unable to retrieve the editions which were in progress when the server was last stopped.

Explanation: The warehouse server was unable to query its control tables.

User Response: Verify that the warehouse server still has connectivity to the control database. If a connection still exists, record all the details of this error message and contact IBM Software Support with the information.

DWC07062E The warehouse server has detected that edition *edition-number* of step *step-name* has an invalid status for restart.

Explanation: A Data Warehouse Center internal error occurred or the control database contains invalid metadata.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07063E The warehouse server was unable to retrieve the editions which are scheduled to be populated.

Explanation: The warehouse server was unable to query its control tables.

User Response: Verify that the warehouse server still has connectivity to the control database. If a connection still exists, record all the details of this error message and contact IBM Software Support with the information.

DWC07064E The warehouse server was unable to update the edition with the edition number of its parent.

Explanation: The warehouse server was unable to update its control tables.

User Response: Verify that the warehouse server still has connectivity to the control database. If a connection still exists, record all the details of this error message and contact IBM Software Support with the information.

DWC07066E The warehouse server was shut down before this edition finished populating.

Explanation: Informational message. The step edition did not finish populating before the warehouse server was shut down; all changes to the target table were rolled back. steps are populated in a single unit of work. If the warehouse server shuts down while a step is running, all changes to the target table will be rolled back.

User Response: Run the failed step again.

DWC07067E The warehouse server was shut down before this edition finished purging.

Explanation: Informational message. The step edition did not finish purging before the Data Warehouse Center server was shut down; all changes to the target table were rolled back. If the warehouse server shuts down while a step is purging, all deleted rows will be restored in the target table.

User Response: Purge the step edition again.

DWC07068E The warehouse server was not running during the time period this edition was scheduled to run.

Explanation: This message is applicable only if the warehouse server is configured for manual restart. This step was scheduled to run during a time period that the Data Warehouse Center server was shut down. You can avoid this error by configuring the warehouse server for automatic restart; then missed steps are automatically restarted when the server is restarted. Automatic restart, however, is not recommended because it can start steps at undesirable times. Also, it can exhaust system resources because all missed steps are started concurrently.

User Response: If you need to refresh this step before the next scheduled time, manually restart or reschedule it.

Determine why the server was shut down at the time this step edition was scheduled to run.

DWC07069E The warehouse server was shut down before this edition finished cancelling.

Explanation: The step edition did not finish canceling before the warehouse server was shut down.

User Response: Purge the step edition from the Work in Progress window.

DWC07070N The Data Warehouse Center server was unable to complete the population of edition *edition* of process *process*.

Explanation: The Data Warehouse Center server could not complete the population because the database could not be found.

User Response: Check that the Data Warehouse Center server has connectivity to the database. If a connection exists, record all the details of this error message and contact your IBM service representative.

DWC07081N The Data Warehouse Center server was unable to list the cascaded processes of process *process*. The error occurred while processing a job of type *job-type* for edition *edition*.

Explanation: The Data Warehouse Center server could not list the cascaded processes.

User Response: Check the secondary return code RC2 and take the recommended action.

DWC07082N The Data Warehouse Center server was unable to list the fail-cascaded processes of process *process*. The error occurred while processing a job of type *job-type* for edition *edition*.

Explanation: The Data Warehouse Center server could not list the fail-cascaded processes.

User Response: Check the secondary return code RC2 and take the recommended action.

DWC07083N The Data Warehouse Center server was unable to list the root steps of step *step*. The error occurred while processing a job of type *job-type* for edition *edition*.

Explanation: The Data Warehouse Center server could not list the root steps.

User Response: Check the secondary return code RC2 and take the recommended action.

DWC07100E The warehouse server was unable to connect to the control database *control-database-name* with user ID of *user-ID*.

Explanation: The warehouse server tried to connect to the control database with an invalid user ID. Either the user ID is no longer authorized to access the control database, or an invalid or misspelled user ID was provided during initialization.

User Response: Verify that the user ID is still an authorized user of the control database. Verify that the spelling and case of the user ID is correct.

DWC07101E The warehouse server was unable to retrieve parameter *parameter-name* from the control database.

Explanation: Data Warehouse Center was unable to retrieve from the control database one of its configuration parameters.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07102E The warehouse server retrieved a timeout parameter *parameter-name* with an invalid value of *timeout-value*.

Explanation: The timeout value specified in the Configuration notebook for the given parameter is not in the valid range of values.

User Response: Start the Data Warehouse Center configuration applet. Change the timeout value for the given parameter in the Configuration notebook to a valid value.

DWC07103E The warehouse server was unable to retrieve the command-line arguments for its database agent.

Explanation: Data Warehouse Center was unable to retrieve from the control database the command-line arguments used to start the Data Warehouse Center agent.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07104E The warehouse server was unable to update configuration parameter *parameter-name* with value *parameter-value*.

Explanation: Data Warehouse Center was unable to update the given configuration parameter in the control database.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07105E The warehouse server was unable to store value *parameter-value* into configuration parameter *parameter-name*.

Explanation: Data Warehouse Center was unable to store the given configuration parameter in the control database.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07106E The warehouse server detected that its configured hostname (*install-host-name*) does not match the hostname of the node on which it is running (*tcpip-host-name*).

Explanation: The most common cause of this error is when the warehouse server machine is moved to another physical location and given a new TCP/IP hostname.

User Response: Open the Data Warehouse Center Configuration notebook, select the **Server** tab and change the value of the **Server Host Name** field to match the TCP/IP DNS hostname configured for the machine.

DWC07150E The warehouse server was unable to retrieve its TCP/IP hostname.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return

code (RC2) and take the recommended action.

DWC07151E The warehouse server was unable to retrieve the TCP/IP port number for the agent daemon.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07152E The warehouse server was unable to retrieve its TCP/IP port number. The service name of the warehouse server is *tcpip-service-name*.

Explanation: Using the Server Service Name provided to the Data Warehouse Center, the server was unable to retrieve its port number from the TCP/IP SERVICES file.

User Response: Open the Data Warehouse Center properties notebook, select the **Server** tab, and record the value of the **Server Service Name** field. Verify that this name has a single entry in the TCP/IP SERVICES file. If there are multiple entries for this name, delete any extra ones. If the name is not in the SERVICES file, either add it manually or re-run the Data Warehouse Center initialization program. It is strongly recommended that you use the default server service name and port number that the Data Warehouse Center automatically adds for you at initialization time.

DWC07153E The warehouse server was unable to create a message queue to process a job of type *job-type* for edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07154E The warehouse server was unable to create its primary message queue.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07155E The warehouse server was unable to destroy the message queue used to process a job of type *job-type* for edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07156E The warehouse server was unable to destroy its primary message queue.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07157E The warehouse server was unable to monitor one of its agent processes.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: The Data Warehouse Center communications subsystem detected an error.

DWC07158E The warehouse server was unable to successfully stop monitoring one of its agent processes.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07159E The warehouse server was unable to format an agent message to process a command of type *command-type* for edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07160E The warehouse server was unable to format an agent message to process a command of type *command-type* for database *database-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07161E The warehouse server was unable to format a request to spawn an agent process on host *host-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07162E The warehouse server was unable to format a request to shut down an agent process.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07163E The warehouse server was unable to format a request to shut down an agent process on host *host-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07164E The warehouse server was unable to format a request to kill an agent process on host *host-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07165E The warehouse server was unable to format a request to populate edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07166E The warehouse server was unable to format a request to purge edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07167E The warehouse server was unable to format a request to populate cascaded step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07168E The warehouse server was unable to format a job termination notification.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07169E The warehouse server was unable to send an agent command of type *command-type* for edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07170E The warehouse server was unable to send a message to shut down an agent process.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07171E The warehouse server was unable to send a notification of job completion to a requester on port *port-number* of host *host-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07172E The warehouse server was unable to send a populate request for edition *edition-number* of step *step-name* to its main queue.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07173E The warehouse server was unable to send a purge request for edition *edition-number* of step *step-name* to its main queue.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07174E The warehouse server was unable to send a request to spawn an agent process on host *host-name*.

Explanation: The warehouse server could not communicate with the Data Warehouse Center agent daemon on the given agent site. This problem can occur if the agent daemon is not started or not responding, or if there is a communications problem. The value of the secondary return code (RC2) identifies the cause.

User Response: Verify that the warehouse server machine has TCP/IP connectivity to the agent site, and that the Data Warehouse Center agent daemon is up and running. If this does not correct the problem, stop and restart the Data Warehouse Center agent daemon. If the problem is still not resolved, look up the RC2 code and take the recommended action.

DWC07175E The warehouse server was unable to send a request to shut down an agent process on host *host-name*.

Explanation: The warehouse server could not communicate with the Data Warehouse Center agent daemon on the given agent site. This problem can occur if the agent daemon is not started or not responding, or if there is a communications problem. The value of the secondary return code (RC2) identifies the cause.

User Response: Verify that the warehouse server machine has TCP/IP connectivity to the agent site, and that the Data Warehouse Center agent daemon is up and running. If this does not correct the problem, stop and restart the Data Warehouse Center agent daemon. If the problem is still not resolved, look up the RC2 code and

take the recommended action.

DWC07176E The warehouse server was unable to send a message to cascade a step from step *step-name* to its main queue.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07177E The warehouse server was unable to send a notification of job completion to its main queue.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07178E The warehouse server was unable to send a request to kill an agent process on host *host-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07179E The warehouse server encountered an unexpected error while receiving a shutdown response from an agent process.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07180E The warehouse server encountered an unexpected error while receiving a start response from an agent process.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07181E The warehouse server encountered an unexpected error while receiving a message.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07182E The warehouse server encountered an unexpected error while receiving a message during the processing of a step dependency tree.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07183E The warehouse server tried to spawn an agent but did not receive a valid startup-acknowledgment from either the agent or the daemon.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Try shutting down and restarting the Data Warehouse Center agent daemon. If the problem persists, record all details of this error message and contact IBM Software Support with the information.

DWC07184E The warehouse server received an unexpected message of type *message-type* and subtype *message-sub-type*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: This error can occur if the sending Data Warehouse Center component is at a different code level than the receiving Data Warehouse Center component. For example, the

messaging code in a Data Warehouse Center agent at one level of maintenance may not be compatible with a Data Warehouse Center server at a different level of maintenance. Record all details of this error message and contact IBM Software Support with the information.

DWC07185E The warehouse server received an unexpected message while processing a command of type *command-type* for edition *edition-number* of step *step-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: This error can occur if the sending Data Warehouse Center component is at a different code level than the receiving Data Warehouse Center component. For example, the messaging code in a Data Warehouse Center agent at one level of maintenance may not be compatible with a Data Warehouse Center server at a different level of maintenance. Record all details of this error message and contact IBM Software Support with the information.

DWC07186E The warehouse server received an unexpected message while processing a dependency tree for a job of type *job-type* for edition *edition-number* of step *step-name*. The message received was of type *message-type* and request type *request-type*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07187E The warehouse server received an unexpected message type of *message-type*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: This error can occur if the

sending Data Warehouse Center component is at a different code level than the receiving Data Warehouse Center component. For example, the messaging code in a Data Warehouse Center agent at one level of maintenance may not be compatible with a Data Warehouse Center server at a different level of maintenance. Record all details of this error message and contact IBM Software Support with the information.

DWC07188E The warehouse server received an unsupported message type of *message-type*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07189E The warehouse server timed out while waiting for a shutdown reply from an agent process.

Explanation: The agent process has already shut down or is hung.

User Response: Verify that the agent process has shut down on the agent site machine. If it has, no further action is necessary. Otherwise, the agent process is hung; end the process or restart the agent site machine. If this problem occurs frequently, contact IBM Software Support.

DWC07190E The warehouse server encountered an unexpected error while receiving a message during the processing of a command of type *command-type* for edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07191E The warehouse server was unable to format a status change notification message for edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07192E The warehouse server was unable to send a status change notification message for edition *edition-number* of step *step-name* to a client listening on port *port-number* of host *host-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07193E The warehouse server was unable to format a cancel message for edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07194E The warehouse server was unable to send a cancel message for edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07195E The warehouse server was unable to determine the message type of a message received while processing a command of type *command-type* for edition *edition-number* of step *step-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07196E The warehouse server received an unexpected message with a command type of *command-type* while starting an agent process.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07197E The warehouse server was unable to format a row count message for edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07198E The warehouse server was unable to send a row count message for edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07199E The warehouse server was unable to receive the response to a row count query for edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07200E The warehouse server received an invalid response to a row count query for edition *edition-number* of step *step-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07201E The warehouse server was unable to create a message queue to use during shutdown.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07202E The warehouse server was unable to destroy the message queue it used during shutdown.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07203E The warehouse server was unable to format the shutdown message to send to the main message queue.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return

code (RC2) and take the recommended action.

DWC07204E The warehouse server unable to send the shutdown message to the main message queue.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07205E The warehouse server did not receive a reply to the shutdown message sent to the main message queue.

Explanation: The Data Warehouse Center communications subsystem detected an error.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07206E The warehouse server was unable to retrieve its Internet Address.

Explanation: The warehouse server was unable to retrieve its Internet Address.

User Response: Contact the network administrator and make sure that the Data Warehouse Center hostname and the IP address of the hostname are valid.

DWC07207E The warehouse server was unable to process this job because the user does not have proper authority.

Explanation: The warehouse server was unable to process this job because the user does not have proper authority.

User Response: Verify that the user has valid authority to perform the task. If the problem persists, record all the details of this error message and contact IBM Software Support with the information.

DWC07220E The warehouse server was unable to start local agent process *agent-executable-name*.

Explanation: There is insufficient storage to execute the agent process, or the executable for the agent is missing, corrupted, or cannot be executed.

User Response: Verify that the *agent-executable-name* file is still in the BIN subdirectory of the IWH installation directory. If the file is there, increase the amount of virtual storage or run fewer agents concurrently. If the problem persists, record all details of this error message and contact IBM Software Support with the information.

DWC07221E A Data Warehouse Center agent process was unable to initialize.

Explanation: The agent process was started, but failed during its initialization.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07222E The Data Warehouse Center agent daemon was unable to spawn a remote agent process.

Explanation: There is insufficient storage to execute the agent process, or the executable for the agent is missing, corrupted, or cannot be executed.

User Response: Verify that the agent executable file is still in the BIN subdirectory of the IWH installation directory. If the file is there, increase the amount of virtual storage or run fewer agents concurrently. If the problem persists, record all details of this error message and contact IBM Software Support with the information.

DWC07223E The warehouse server attempted to shutdown an unknown agent process.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07224E The Data Warehouse Center agent daemon was unable to shut down a remote agent process.

Explanation: Data Warehouse Center attempted to shut down an agent and failed. Data Warehouse Center then attempted to make the VW Daemon shut the agent down. The daemon was also unable to shut down the agent.

User Response: If the agent was running as a user process, end the agent process manually using whatever command is appropriate for the operating system of the agent site. If the agent was running as a system process, you might have to wait until the next time you restart the system to clean up the dead agent process. You should still be able to run other agents in the meantime.

DWC07225E The Data Warehouse Center agent daemon was unable to terminate a remote agent process.

Explanation: Data Warehouse Center requested that the agent daemon forcibly terminate an agent with which the warehouse server was no longer able to communicate. The attempt failed. The agent process is no longer responding to system commands or has already terminated.

User Response: If the agent was running as a user process, try to end the agent process manually using whatever command is appropriate for the operating system of the agent site. If the agent was running as a system process, you will have to wait until the next time you restart the system to clean up the dead agent process. You should still be able to run other agents in the meantime.

DWC07226E The warehouse server was unable to terminate a local agent process.

Explanation: The agent process has already shut down or is hung.

User Response: Verify that the agent process has terminated. If it has, no further action is necessary. Otherwise, the agent process is hung; end the process or restart the agent site machine.

DWC07227E The previous error occurred while the warehouse server was initializing its agent dispatcher.

Explanation: Informational message.

User Response: See the preceding error message in the log for the cause of the problem.

DWC07228E The previous error occurred while the warehouse server was terminating its agent dispatcher.

Explanation: Informational message.

User Response: See the preceding error message in the log for the cause of the problem.

DWC07229E The system page file is getting full. You should increase its size to handle the number of agents you are running.

Explanation: The amount of virtual storage defined on your system is insufficient to start any more agent processes.

User Response: Increase the amount of virtual storage or run fewer agents concurrently.

DWC07250E The warehouse server was unable to create a job for edition *edition-number* of step *step-name* in response to a message of type *message-type*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07251E The previous error occurred while the warehouse server was processing a job of type *job-type* for edition *edition-number* of step *step-name*.

Explanation: Informational message.

User Response: See the preceding error message in the log for the cause of the problem.

DWC07252E The warehouse server was unable to start a thread to run a job of type *job-type* for edition *edition-number* of step *step-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07253E The previous error occurred while the warehouse server was building a command list for a job of type *job-type* for edition *edition-number* of step *step-name*.

Explanation: Informational message.

User Response: See the preceding error message in the log for the cause of the problem.

DWC07254E The previous error occurred while the warehouse server was building a command list for a job of type *job-type* for database *database-name*.

Explanation: Informational message.

User Response: See the preceding error message in the log for the cause of the problem.

DWC07255E The previous error occurred while the warehouse server was executing a command list for a job of type *job-type* for edition *edition-number* of step *step-name*.

Explanation: Informational message.

User Response: See the preceding error message in the log for the cause of the problem.

DWC07256E The previous error occurred while the warehouse server was executing a command list for a job of type *job-type* for database *database-name*.

Explanation: Informational message.

User Response: See the preceding error message in the log for the cause of the problem.

DWC07257E The previous error occurred while the warehouse server was verifying the currency of edition *edition-number* of step *step-name* to process a job of type *job-type*.

Explanation: Informational message.

User Response: See the preceding error message in the log for the cause of the problem.

DWC07258E The previous error occurred while the warehouse server was populating a dependency tree for a job of type *job-type* for edition *edition-number* of step *step-name*.

Explanation: Informational message.

User Response: See the preceding error message in the log for the cause of the problem.

DWC07259E The warehouse server attempted to populate step dependency *step-name* more than once in the same execution tree.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07260E The warehouse server attempted to clean up step dependency *step-name* more than once in the same execution tree.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07261E The warehouse server was unable to handle a completion message during the processing of the execution tree for edition *edition-number* of step *step-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07262E The warehouse server was unable to handle a purge message during the processing of the execution tree for edition *edition-number* of step *step-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07263E The warehouse server was unable to set a row limit for the population of edition *edition-number* of step *step-name* because the step type does not support row limits.

Explanation: Informational message. Row limit cannot be set in the current context.

DWC07264N The Data Warehouse Center server was unable to start a thread to run a job of type *job-type* for edition *edition* of process *process*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact your IBM service representative.

DWC07300E The warehouse server does not support cancellation of jobs of type *job-type*.

Explanation: Cancel is not possible at this time.

DWC07301E The job of type *job-type* for edition *edition-number* of step *step-name* was not processed because the step was not in production.

Explanation: You can perform this type of operation on a step only if it is in Production status. This step is not in Production status.

DWC07302E The job of type *job-type* for edition *edition-number* of step *step-name* was not processed because the step was not persistent.

Explanation: You can perform this type of operation on a step only if it is not transient. This step is a transient step.

DWC07303E Step *step-name* was not promoted because it was not in development status.

Explanation: You can promote a step to Test status only if it is in Development status. This step is not in Development status.

User Response: If the step status is Development on the interface window, refresh the view. If the status does not update to a status other than Development, record all details of this error message and contact IBM Software Support with the information.

DWC07304E Step *step-name* was not suspended because it was not in production status.

Explanation: You can demote a step to Test status only if it is in Production status. This step is not in Production status.

User Response: If the step status is Production status on the interface window, refresh the view. If the status does not update to a status other than Production, record all details of this error message and contact IBM Software Support with the information.

DWC07305E Step *step-name* was not purged because it was not in suspended status.

Explanation: Demoting a step to Development status drops the step's target table. You can demote a step to Development status only if it is in Test status. This step is not in Test status.

User Response: If the step appears to be in Test status on the interface window, refresh the view. If the status does not update to something other than Test status, record all details of this error message and contact IBM Software Support with the information.

DWC07307E Edition *edition-number* of step *step-name* was not purged because it had not been populated or failed population.

Explanation: You cannot purge an edition in this status.

User Response: Wait until this edition has finished processing before attempting to purge it. If this error occurred on an edition that has finished processing, this is an internal error; record all details of this error message and contact IBM Software Support with the information.

DWC07308E Edition *edition-number* of step *step-name* was not replaced because it had not been populated or failed population.

Explanation: You cannot replace an edition in this status.

User Response: Wait until this edition has finished processing before attempting to replace it. If this error occurred on an edition that has finished processing, this is an internal error; record all details of this error message and contact IBM Software Support with the information.

DWC07309E Edition *edition-number* of step *step-name* was not populated because it had already started or finished population.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07310E Edition *edition-number* of step *step-name* was not replaced because it had not been populated or failed population.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07311E The warehouse server did not import column data for database *database-name*. The command was not processed because no table names were specified.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07312E The warehouse server did not process the request to process a job of type *job-type* for edition *edition-number* of step *step-name* because it is already processing an identical request.

Explanation: Data Warehouse Center could not perform the requested operation because it is already performing it. This error could occur if a user at another Data Warehouse Center administrative client made the request before your administrative client was updated with the new status.

User Response: Wait awhile and try again.

DWC07313E The warehouse server could not start a job of type *job-type* for the current edition of step *step-name* because it is running a job of type *job-type* for edition *edition-number* of step *step-name*. The two jobs cannot be run at the same time.

Explanation: Data Warehouse Center could not perform the requested operation because it would interfere with another operation that is already in progress.

User Response: Wait awhile and try again.

DWC07314E The warehouse server is already in the process of terminating. It will shut down after the completion of all jobs that are currently processing.

Explanation: The warehouse server already received a shut down request.

DWC07315E The current row count for edition *edition-number* of step *step-name* cannot be determined because the edition is no longer populating.

Explanation: Informational message. The agent has already completed populating the given edition and terminated. The final row count can now only be obtained from the statistics window.

DWC07316E Catalog information cannot be imported from database *database-name* because the database type does not support such queries.

Explanation: The type of database from which you are trying to import metadata has no facility for querying metadata.

User Response: Consult the source vendor's documentation for more information. Enter the database description manually.

DWC07317E The schedules of step *step-name* could not be activated because the step was not in test state.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07318E The warehouse server could not add a row in the statistics table for step *step-name*.

Explanation: The statistics table could not be updated.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07319E The warehouse server could not re-grant authority for step *step-name* because the step was not in test state.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07320E The warehouse server could not add an alias for step *step-name* because the step was in development state.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07321E The warehouse server could not remove an alias of step *step-name* because the step was not in development mode.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07322E The warehouse server was unable to authenticate the password provided for user *user-name*. The error occurred in response to an authentication request from client *client-name*.

Explanation: The password provided was incorrect. A common cause of this error is a difference in the case of one or more of the characters; passwords are case sensitive.

User Response: Re-enter the password.

DWC07323E The table for step *step-name* was not altered because *step-name* is not in test status.

Explanation: You can add new columns to an existing step table only if the step is in Test status.

User Response: Change the step status to Test and try the operation again.

DWC07324E The warehouse server could not sample data for database or table *table-name* because the ID string was not found.

Explanation: You were trying to sample data from a Data Warehouse Center table that was not found in the Data Warehouse Center control database.

User Response: Contact the Data Warehouse Center support.

DWC07325E The warehouse server could not install transformers from the database because the creation type is not supported.

Explanation:

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07350E The previous error occurred while the warehouse server was acquiring an agent to process a command list of type *command-list-type* for edition *edition-number* of step *step-name*.

Explanation: The warehouse server was unable to start the agent process.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07351E The previous error occurred while the warehouse server was releasing the agent used to process a command list of type *job-type* for edition *edition-number* of step *step-name*.

Explanation: An error occurred while Data Warehouse Center was shutting down an agent process.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07352E The previous error occurred while the warehouse server was building a command list of type *job-type* for edition *edition-number* of step *step-name*.

Explanation: Informational Message.

User Response: See the previous error message for more information.

DWC07353E The previous error occurred while the warehouse server was building a command list of type *command-list-type* for database *database-name*.

Explanation: Informational Message.

User Response: See the previous error message for more information.

DWC07354E Step *step-name* has no agent site defined on which it should be processed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07355E There is no agent site defined which has connectivity to database *database-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07356E An agent's processing of a command of type *command-type* failed for edition *edition-number* of step *step-name*.

Explanation: The agent encountered an error while it was processing.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07357E A row count query failed for edition *edition-number* of step *step-name*.

Explanation: The Data Warehouse Center agent detected an error while processing a row count query.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07358E Alias *alias-name* of step *step-name* was not found. The error occurred while processing a command of type *command-type*.

Explanation: Data Warehouse Center was unable to retrieve from the control database the metadata for the given alias name.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07400E The warehouse server was unable to acquire semaphore *semaphore-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07401E The warehouse server was unable to release semaphore *semaphore-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07450E The previous error occurred while the warehouse server was initializing its scheduler.

Explanation: An error occurred that prevented the warehouse server from starting its scheduler.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07451E The previous error occurred while the warehouse server was terminating its scheduler.

Explanation: An error occurred that prevented the warehouse server from stopping its scheduler.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC07454E The warehouse server was unable to start a thread for its scheduler.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07500I The warehouse server canceled edition *edition-number* of step *step-name*.

Explanation: Informational message.

DWC07501E The warehouse server was unable to cancel edition *edition-number* of step *step-name* because that edition was not being populated.

Explanation: The step edition could not be cancelled because it was no longer running when the cancel request was received.

DWC07502I The warehouse server received a duplicate request to cancel edition *edition-number* of step *step-name* while the edition was already being canceled.

Explanation: Informational message. A request to cancel an edition of the given step was made while an earlier cancel request on the same edition was being processed. The edition will be cancelled.

DWC07550E The warehouse server is out of memory.

Explanation: There is not enough virtual storage available for the warehouse server to operate. The warehouse server service will shut down after issuing this message.

User Response: Increase the amount of virtual storage on the machine on which the Data Warehouse Center server resides and restart the Data Warehouse Center services.

DWC07551E The warehouse server is terminating due to an unhandled exception.

Explanation: The operating system is terminating the warehouse server because of a program exception that could not be resolved.

User Response: Gather as much information as possible about the exception and the events preceding it, and report the problem to IBM Software Support. Try to restart the warehouse server.

DWC07552E The warehouse server is terminating unexpectedly.

Explanation: The warehouse server experienced a serious internal error and is shutting down.

User Response: Gather as much information as possible about the exception and the events preceding it, and report the problem to IBM Software Support. Try to restart the warehouse server.

DWC07700I The warehouse server received a warning from Agent.

Explanation: Informational message.

User Response: None.

DWC07900E Edition *edition-number* was not found.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07901E Edition *edition-number* of step *step-name* could not be marked as completed because the specified status of *edition-status* was not valid.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC07902E Step *step-name* was not current because edition *edition-number* was scheduled to be populated at *timestamp*, but population had not yet begun.

Explanation: The failed step was dependent on the data from another step. The failed step could not be populated because the other step was running behind schedule at the time the failed step was started.

User Response: Use the Run Now function of the Work in Progress window to force population of the other step, then try running the dependent step again.

DWC07903E Step *step-name* was not current because edition *edition-number* was currently populating.

Explanation: The failed step was dependent on the data from another step. The failed step could not be populated because the other step had not finished processing at the time the failed step was started.

User Response: Wait for the other step to finish processing and try running the failed dependent step again.

DWC07904E Step *step-name* was not current because edition *edition-number* was currently waiting to be retried.

Explanation: The failed step was dependent on the data from another step. It could not be populated because the other step was in the middle of a retry attempt at the time the failed step tried to run.

User Response: Wait for the other step to finish processing and try running the failed dependent step again.

DWC07905E Step *step-name* was not current because edition *edition-number* was currently being purged.

Explanation: The failed step was dependent on the data from another step. It could not be populated because the other step was purging at the time the failed step tried to run.

User Response: Wait for the other step to finish purging and try running the failed dependent step again.

DWC07906E Step *step-name* was not current because edition *edition-number* was the last edition to be populated and it was unsuccessful.

Explanation: The failed step was dependent on the data from another step. It could not be populated because the other step failed its last population attempt.

User Response: Re-run the other step and try

running the failed dependent step again.

DWC07907E Step *step-name* was not current because no edition had been successfully populated.

Explanation: The failed step was dependent on the data from another step. It could not be populated because the other step has no editions that successfully completed processing.

User Response: Run the other step and try running the failed dependent step again.

DWC08000E The operation you attempted is not currently supported by this agent.

Explanation: The Data Warehouse Center feature you attempted to use is not currently supported on this agent site platform.

User Response: Do not attempt to use this Data Warehouse Center feature on the current agent site. Check with Data Warehouse Center service for availability and alternatives.

DWC08005I The Data Warehouse Center agent is about to shut down.

Explanation: Informational message. The agent executed a shutdown command issued by the server.

DWC08010E The agent message overflowed and it was truncated from *initial-count* items to *final-count* items in the returned catalog listing.

Explanation: A Data Warehouse Center internal error occurred. A possible cause is that the list of tables returned is too large.

User Response: Use a table qualifier to reduce the number of tables returned. If this is not successful, then record all details of this error message and contact IBM Software Support with the information.

DWC08205E The agent received too few input parameters. The server port and hostname must be supplied.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC08206E The agent received too many input parameters.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC08207E The agent received invalid edition type.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC08210E The agent received invalid input parameters: *parameter-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC08215E The agent commands are out of sequence.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC08220E The agent daemon received an invalid command.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC08221E The agent daemon cannot communicate through assigned port.

Explanation: Informational message.

User Response: Verify that the port numbers required by the server, logger, and agent are not in use by other tools.

DWC08225E The system is running low on memory. The page file has reached the limit. No more agents can be spawned.

Explanation: The Data Warehouse Center agent daemon was unable to start an agent process because the system is running out of virtual storage.

User Response: Increase the amount of virtual storage on the agent site machine, shut down some applications on that machine, or run fewer agents concurrently.

DWC08405E The input command line was too long. The command was: *command*.

Explanation: The file processing command passed to the agent was too long.

User Response: Shorten the command if possible. If this does not correct the problem, contact IBM Software Support with the information.

DWC08410E The agent was unable to execute a Data Warehouse Center Program.

Explanation: If a secondary return code (RC2) was returned, then the agent ran, but failed during execution. The value of RC2 is the return

code returned by the Data Warehouse Center Program.

If RC2 = 1 for an NT agent, this may indicate that the fully qualified program name on the Program page of the Program notebook is incorrect, or that the program is not installed.

If RC2 = 127 for an AIX agent, this may indicate that the fully qualified program name on the Program page of the Program notebook is incorrect, the program is not installed, or the user ID specified for this agent site does not have execute authority and read authority. Both authority types are required.

If RC2 was not returned, then either the file for the Data Warehouse Center Program was not found or was not in a format that could be executed.

User Response: Check the value of RC2. If a non-zero return code was returned by the Data Warehouse Center Program, take the recommended action for that return code in the Data Warehouse Center Program documentation. If the program is one of the IBM programs shipped with Data Warehouse Center, the documentation is in the Data Warehouse Center Program directory of the CD-ROM.

If the value of RC2 is null or zero, verify that the path and filename supplied for the Data Warehouse Center Program are still valid. If they are, verify that the Data Warehouse Center Program is still in a format that can be executed.

See Appendix B of the Managing ETI*Extract Conversion Programs with Visual Warehouse manual for more return code explanations.

DWC08411E The agent was unable to issue an FTP command.

Explanation: The agent could not establish an FTP connection to the host.

User Response: Verify that the hostname, user ID, and password provided to FTP are correct.

If the hostname, user ID, and password are correct, do the following:

- Verify that ftp is the command used at your site to initiate an FTP session
- Confirm that the FTP daemon process is running on the host.
- Issue the ping command from the agent site to the host to verify that a TCP/IP connection exists.

DWC08412E The agent was unable to delete the FTP file.

Explanation: The FTP operation failed. The file that was retrieved by FTP is no longer on the agent site, or the file is in use by another process.

User Response: Verify that the file was retrieved to the path specified in the database definition and the file exists. If it exists, determine if it is being used by another process.

DWC08413E The file is not executable or has an invalid executable file format.

Explanation: The Data Warehouse Center Program has a bad or invalid format and cannot be run. Either the file referenced is not really an executable or it is a damaged executable.

User Response: Verify that the Data Warehouse Center Program file exists and is executable.

DWC08414E The command interpreter is damaged or missing.

Explanation: The operating system command interpreter or shell is damaged or missing.

User Response: Verify that the operating system command interpreter or shell program is still functioning on the agent site.

DWC08420E There is not enough memory, available memory has been corrupted, or an invalid block exists.

Explanation: There was insufficient virtual storage available on the agent site machine for the agent to spawn a process or allocate a data buffer.

User Response: Increase the amount of virtual storage on the agent site machine, shut down some applications on that machine, or run fewer agents concurrently. Restarting the agent site machine might also free up memory.

DWC08425E The file to be processed was read-only. The filename was: *filename*.

Explanation: Data Warehouse Center was unable to delete or write to a file transferred by FTP because the agent had read-only authority to the file.

User Response: Change the system settings to ensure that files transferred by FTP are created on the agent site machine with both read and write authority granted to the agent user ID.

DWC08430E The file or the path was not found. The filename was: *filename*.

Explanation: Data Warehouse Center was unable to delete or write to a file transferred by FTP because it could not be found. Another process or user might have moved or deleted the file.

User Response: Run the step again, and ensure that no other processes or users delete or move the target file after it is created. The Data Warehouse Center will delete the file when processing is complete.

DWC08440E Failed to update the Intersolv ODBC Driver profile.

Explanation: The Data Warehouse Center agent could not update or create the QETXT.INI file used by the ODBC drivers, or a Data Warehouse Center internal error occurred.

User Response: Verify that the agent has read and write authority for the directory where the QETXT.INI file is to be created which is either in the system directory or the directory in which the source text file resides. If the agent does have read and write authority for this directory, record all details of this error message and contact IBM Software Support with the information.

DWC08445E The text file had an invalid data type for field *field-name*. The SQL data type *data-type* is not supported.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC08450E Failed to load user DLL *dll-name*.

Explanation: Data Warehouse Center was unable to load a dynamic link library (DLL) Data Warehouse Center Program into memory or was unable to find the DLL.

User Response: The DLL is missing or damaged, or its path is incorrect. Verify that the DLL file still exists, that it is still valid, and that either the agent site's library path includes the path specified in the Data Warehouse Center Program definition or that a path to the DLL is included in the agent site's library path.

DWC08455E Failed to find the address of user function *function-name*.

Explanation: Data Warehouse Center was unable to find the specified function in the specified DLL.

User Response: Verify that the name of a valid DLL entry point was specified in the definition of the Data Warehouse Center Program. Select Settings > Data Warehouse Center Program in the Data Warehouse Center Desktop.

DWC08457E Failed to execute user function *function-name*.

Explanation: The OS/2 agent failed to execute an invoked DLL.

User Response: Check the secondary return code (RC2) and take the recommended action.

DWC08460E FTP failed. Please check your user ID, password and file name. They might be case sensitive, depending on the host.

Explanation: The FTP command failed to transfer the source file to the agent site machine.

User Response: Verify that the file you are trying to transfer exists on the FTP server machine and that the user ID and password you supplied to the FTP command are correct.

DWC08461E An error occurred either when opening a code page conversion table or when converting data between Unicode and local locale.

Explanation: Your request was sent to a remote Data Warehouse Center agent for execution, but the remote agent could not open a code page conversion table to convert your request message to local locale.

User Response: Ensure that the operating system where the agent resides has the proper Unicode to local locale conversion table. To find out which local locale is used by the agent on UNIX, you may browse the IWH.environment file. If the local locale is incorrect, please edit the IWH.environment file and restart the agent daemon.

If you received this error while running on a Sun Solaris platform, you may define your local Solaris code-set string using the environment variable VWA_LOCALE_TABLE. Restart the agent daemon and try again.

DWC08462E An error occurred while converting an agent message from wide characters to multibyte characters.

Explanation: Your remote agent attempted to send a response to your warehouse server, but it encountered an error while converting your response message from wide character format to multibyte character format.

User Response: If your agent is running on the UNIX platform, ensure that you have the correct

locale set in the IWH.environment file. If not, edit the IWH.environment file and restart the daemon. Otherwise, contact technical support for your operating system to verify if the correct maintenance is applied to your operating system.

DWC08463E An error occurred while converting agent message from multibyte characters to wide characters.

Explanation: Your remote agent attempted to process your request message and encountered an error while converting the message from multibyte character format to wide character format.

User Response: If your agent is running on the UNIX platform, ensure that you have the correct locale set in the IWH.environment file. If not, edit the IWH.environment file and restart the daemon. Otherwise, contact technical support for your operating system to verify if the correct maintenance is applied to your operating system.

DWC8470N The file *filename* cannot be opened.

Explanation: An error occurred while opening the file.

User Response: Check that the file exists, and that your user id has authority to access it.

DWC08472E The Data Warehouse Center Transformers could not be registered in the target database.

Explanation: The Data Warehouse Center Transformers could not be registered in the target database.

User Response: Refer to the Data Warehouse Center secondary return code and the system message for more information.

DWC08474E Data Warehouse Center Transformers could not be dropped from the target database.

Explanation: Data Warehouse Center Transformers could not be dropped from the target database.

User Response: Refer to the Data Warehouse Center secondary return code and the system message for more information.

DWC08505E The agent failed to allocate the ODBC environment handle.

Explanation: The ODBC driver manager could not allocate storage for the environment handle. Either your system is low on memory, or there is a serious error in your ODBC driver manager.

User Response: Check the amount of virtual storage on your machine. If there does not appear to be a shortage of virtual storage, try reinstalling the ODBC driver manager.

DWC08476C The Web Connector user-defined program did not execute. IBM Warehouse Manager Connector for the Web is not installed or the installation failed.

Explanation:

User Response: You must install IBM Warehouse Manager Connector for the Web if you want to make use of this Warehouse Manager feature. Contact your IBM service representative if the product is already installed.

DWC08478C An error occurred while loading the SAP Connector.

Explanation: SAP Connector is not installed or the settings were changed after installation.

User Response: Check that the SAP Connector is installed and the settings are correct.

DWC08480N The notification program failed to execute successfully.

Explanation: The notification step failed and RC2 contains the return code. The return codes are listed below:

- 1 - One or more recipient(s) is invalid
- 2 - Cannot open the input file which contains the parameters to the notification program
- 4 - Error calling WSASStartup()
- 6 - Error calling socket()
- 8 - Cannot get SMTP server
- 10 - Invalid host name
- 12 - SMTP service not available
- 14 - SMTP command call failed
- 16 - Internal error
- 18 - Error receiving SMTP command
- 20 - Cannot open trace file
- 22 - Error sending SMTP command
- 24 - Error calling connect()
- 26 - All of the recipients specified are invalid
- 28 - Environmental error such as VWS_LOGGING variable not set

User Response: Check the trace file `trc-smtp*.log` in the `VWS_LOGGING` directory for a more detailed description of the error. For socket related errors, make sure that TCP/IP is fully installed and configured on the machine, and the network is operational. For SMTP errors, make sure that the name you specified as the Mail Server on the Notification panel is a SMTP server. sometimes, it may help to stop and restart the SMTP server.

DWC08510E The agent failed to allocate the ODBC connection handle.

Explanation: The agent could not obtain an ODBC connection handle. This can be caused by an error allocating storage, database error, or operating system error.

User Response: Check the amount of virtual storage on your machine. If there does not appear to be a shortage of virtual storage, check the `SQLSTATE` that accompanied this error

message (if a value was returned).

DWC08515E The agent failed to connect to the ODBC data source: *source-name*.

Explanation: An attempt to connect to the given database failed. There are numerous reasons the attempt could fail. The following reasons are the most common: the database was not cataloged as an ODBC system DSN (if the agent is on Windows NT), connectivity from the agent site machine to the given database failed or was not configured correctly, or the user ID or password specified was not correct.

User Response: Ensure that the user ID and password provided are valid.

If the agent is running on Windows NT, verify that the given database was cataloged as a system DSN in the ODBC driver manager. If you are using CA/400 to access an AS/400 database, verify that you have installed the latest CA/400 service pack and run `cwbcfg.exe` to enable CA/400 to run as a system task. For more information about the service pack and `cwbcfg.exe`, see the web page at <http://www.as400.ibm.com/clientaccess/service.htm>. Otherwise, consult your database vendor's documentation for possible causes of a connection failure.

DWC08516E The agent failed to set connect options to the ODBC source: *source-name*.

Explanation: The Data Warehouse Center agent attempted to issue a `SQLExecute()` call to the database and it received a non-zero return code. Check the event log to see if there are any additional SQL error messages.

User Response: If there is no additional SQL error messages event log, turn on the DB2 trace or ODBC trace, whichever is applicable.

DWC08520E The agent failed to allocate the ODBC statement handle.

Explanation: The Data Warehouse Center agent was unable to obtain an ODBC statement handle.

This error can occur if the connection to the source was not established or the ODBC driver manager was unable to allocate memory for a statement handle.

User Response: Check the amount of virtual storage on your machine. If there does not appear to be a shortage of virtual storage, determine if the database connection was dropped. If you can consistently recreate the problem, you can determine if the database connection was dropped by looking at your database vendor's trace facility.

Check that you have set the correct environment settings, such as the binary path or library path.

DWC08525E The agent failed at execution of SQL statement *statement*.

Explanation: The SQL statement that the Data Warehouse Center agent attempted to execute failed.

User Response: Look at the setting for SQL Error Processing in the step notebook for your step. Ensure that the setting is set to handle errors in the way that you like. If you are satisfied with this setting, look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08530E The agent failed to fetch from the source database.

Explanation: The Data Warehouse Center agent encountered an error while fetching a row from the source result set.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08535E The agent failed to insert into the target database.

Explanation: The Data Warehouse Center agent encountered an error while inserting data into the target table.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

If SQL code is 30081 and SQLSTATE is 40003, check the DB2 log to ensure it has enough log space for inserting the data into the target table.

DWC08540E The agent failed to disconnect from the ODBC source: *database-name*.

Explanation: The Data Warehouse Center agent was unable to disconnect from the given database.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08541E There is no connection to the ODBC source.

Explanation: The Data Warehouse Center agent received a command to disconnect from a database, but the connection had already ended.

DWC08545E The agent failed to retrieve the total number of columns in the result set.

Explanation: The Data Warehouse Center agent was unable to obtain a count of the number of columns in the result set.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08546E The agent failed to retrieve a column attribute.

Explanation: The Data Warehouse Center agent was unable to obtain metadata for a column from the database management system.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's

documentation to determine the appropriate course of action.

DWC08547E The agent failed to retrieve the total number of rows inserted into the target database.

Explanation: The Data Warehouse Center agent was unable to obtain the number of rows inserted into the target table from the target database.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08550E The agent failed at ODBC SQLDescribeCol API call.

Explanation: The Data Warehouse Center agent was unable to obtain metadata for a column.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08555E The agent failed to bind column attributes to the selected columns from the source database.

Explanation: The Data Warehouse Center agent was unable to bind a buffer to hold the data fetched from one column of the result set.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08560E The agent failed to bind column attributes to the insert columns of the target database.

Explanation: The Data Warehouse Center agent was unable to bind a buffer to hold data to be inserted into a column of the target table.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's

documentation to determine the appropriate course of action.

If your step refers to a transformer, check to see if the Data Warehouse Center stored procedures are installed in the target database.

Check that the stored procedure name is entered exactly as it was defined, since it is a case sensitive field.

DWC08565E The agent failed at preparation of an SQL string for execution. The statement was: *statement*.

Explanation: The Data Warehouse Center agent could not prepare a dynamic SQL statement.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08570E The agent failed with an internal error.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC08575E The agent failed at ODBC SQLExecute API call.

Explanation: The Data Warehouse Center agent received a non-zero return code when it attempted to issue a SQLExecute() call to the database.

User Response: Check the event log to see if there are any additional SQL error messages. If not, then turn on the DB2 trace or ODBC trace (whichever is applicable) and run the step again.

DWC08580E The agent failed to commit for ODBC source: *data-source-name*.

Explanation: The Data Warehouse Center agent could not commit the changes made to the given ODBC source.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08585E The agent failed to roll back for ODBC source: *data-source-name*.

Explanation: The Data Warehouse Center agent could not roll back the actions changes made to the given ODBC source.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08590E The agent failed to release a statement handle.

Explanation: The Data Warehouse Center agent was unable to free an ODBC statement handle.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08600E The agent failed to retrieve catalog table information.

Explanation: The Data Warehouse Center agent was unable to retrieve the metadata for the requested table.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08605E The agent failed to retrieve catalog column information.

Explanation: The Data Warehouse Center agent was unable to retrieve the metadata for the requested column.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08610E No data was updated or inserted.

Explanation: No rows were returned when the step ran. This error message will only be returned if you have specified that an empty result set is an error.

DWC08615E The import table name is case sensitive. The name specified is either incorrect or does not exist. Table name: *table-name*.

Explanation: The table or tables that you tried to import were not found. This error is usually caused by an invalid table name or qualifier (creator).

User Response: Check the spelling and the case of the table name and qualifier (creator) you supplied. On some platforms, these values are case sensitive.

DWC08620E The SELECT statement had *select-list-count* columns while the INSERT had *insert-list-count* columns.

Explanation: The number of values to be inserted into the target table differs from the number of columns being selected from the source table.

User Response: Verify that the target table has the same number of columns as the select list defined in the Column Mapping page of the step notebook.

DWC08625E The column *type* used an invalid or unsupported SQL data type: *unknown-data-type*. Please check your resource and step definitions.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC08630E An error was encountered while executing a stored procedure. Refer to the secondary return code and the <your-control-database-qualifier>.logTable in the target warehouse database for more details.

Explanation: Your transformer failed to execute.

User Response: Examine the detail messages in the designated log table in your target database for the transformer and correct the problem. If the problem cannot be determined by examining the designated log table in your target database, turn on the DB2 CLI trace and look for any DB2 diagnostic messages.

DWC08635E A "no data found" error was encountered while executing a stored procedure.

Explanation: You requested to execute a stored procedure or transformer, but the database manager did not find any data for the stored procedure or transformer to execute.

User Response: To diagnose this problem, turn on DB2 CLI trace or ODBC trace (whichever is applicable) and look for diagnostic messages.

DWC08700E The agent failed to cancel the ODBC execution.

Explanation: The Data Warehouse Center agent was unable to interrupt the processing of an SQL statement.

User Response: Look up the value of the SQL code or SQLSTATE in your database vendor's documentation to determine the appropriate course of action.

DWC08710E It is too late to cancel this job. No cancel is performed. The current command being executed is *command-name*.

Explanation: Informational message. After committing changes, rolling back changes, or disconnecting from a source or target, you cannot

cancel a step edition. The changes to the target table have already been made.

DWC08715E The Data Warehouse Center agent could not retrieve the primary key information from the source.

Explanation: This error can be caused by a number of different problems. Specifically, there is either a communication link failure, a memory allocation problem, an expired timeout, or an internal problem, such as an invalid cursor state or an invalid string or buffer length.

User Response: Determine the source of the error. Verify that your communications link is connected, that enough memory is allocated, and that an expired timeout has not occurred.

If your communications link is connected, enough memory is allocated, and an expired timeout does not exist, an internal error has occurred. Run an agent trace and contact technical support.

DWC08720E The Data Warehouse Center agent could not retrieve the foreign key information from the source.

Explanation: This error can be caused by a number of different problems. Specifically, there is either a communication link failure, a memory allocation problem, an expired timeout, or an internal problem, such as an invalid cursor state or an invalid string or buffer length.

User Response: Determine the source of the error. Verify that your communications link is connected, that enough memory is allocated, and that an expired timeout has not occurred.

If your communications link is connected, enough memory is allocated, and an expired timeout does not exist, an internal error has occurred. Run an agent trace and contact technical support.

DWC08730E The Data Warehouse Center agent received an invalid step type parameter on start up.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Run an agent trace and contact technical support.

DWC08770N Replication Apply program ended with an error while processing the subscription. *Apply-Error*

Explanation: Apply program ended with status code = -1 (error) when processing the Replication subscription.

User Response: Check the subscription in the Apply status columns of the IBMSNAP_APPLYTRAIL table for more information on the subscription error. Check that the subscription is setup correctly. To perform an Apply trace, set Data Warehouse Agent trace = 4 and restart the Replication step. The Apply trace is written to the file: applyqual.trc for the subscription Apply qualifier.

DWC08771N An error occurred while attempting to start the Replication Apply program. *Error-Type*

Explanation: The Agent attempted to start the Replication Apply program. Apply failed before it began processing the subscription and writing to the IBMSNAP_APPLYTRAIL table.

User Response: Use the Apply command line invocation to check that the Apply program can be started outside of Data Warehouse Center for the target system. For a V8 Replication system, check that the Apply password file has been created using the password utility program.

DWC08772N An error occurred while creating the Replication Apply program password file.

Explanation: Agent was unable to create the Apply program password file.

User Response: Check that new files can be

created on the Apply target system.

DWC08773N An SQL error occurred while creating the Replication Subscription.

Explanation: Agent received an SQL error while trying to insert the Replication subscription into the Replication Control tables.

User Response: Check that Replication Control tables are installed on the target system. Check that a subscription does not already exist for the Apply Qualifier in the Control tables for the Source Replication table.

DWC08774N An SQL error occurred while deleting the Replication subscription.

Explanation: Agent received an SQL error while attempting to delete the Replication subscription from the Replication Control tables.

User Response: Check that Replication Control tables are installed on the target system.

DWC08775N An SQL error occurred while updating the Replication subscription.

Explanation: Agent received an SQL error while attempting to update the Replication subscription in the Replication control tables.

User Response: Check that the subscription has not been deleted from the Replication Control tables.

DWC08776N An SQL error occurred while importing the Replication source tables.

Explanation: Agent received an SQL error while reading the IBMSNAP_REGISTER table for the defined Replication sources.

User Response: Check that Replication Control tables are installed on the target system.

DWC08777N An SQL error occurred while importing the Replication capture schemas.

Explanation: Agent received an SQL error while reading the IBMSNAP_CAPSCHEMAS table for the Replication capture schemas.

User Response: Check that the Replication Control tables are installed on the target system.

DWC08800E The operation you attempted is not currently supported by this agent.

Explanation: The feature you attempted to use is not supported by this release of the Data Warehouse Center agent for the agent site that you selected.

User Response: Avoid using the function or use an agent running on a different platform that supports the feature.

DWC08900N Connection to WebSphere Site Analyzer failed because of invalid connection parameters.

Explanation: The user-defined program was unable to connect to the WebSphere Site Analyzer server due to incorrect parameter settings.

User Response: Check that the connection parameters (WebSphere Site Analyzer server name and port number) specified when the source was created are correct.

DWC08901N WebSphere Site Analyzer authentication failed.

Explanation: The connector program failed to authenticate on the Site Analyzer server due to an incorrect user id and/or password.

User Response: Make sure that you have entered the correct WebSphere Site Analyzer's user id and password.

DWC08902N Unable to connect to WebSphere Site Analyzer HTTP server.

Explanation: The connector program was not able to establish a connection to the WebSphere Application Server HTTP server.

User Response: Make sure the WebSphere Administration Server is up and running. Check the network connectivity status.

DWC08903N WebSphere Site Analyzer HTTP server returned error code *errorcode*.

Explanation: The connector program was not able to get a valid HTTP return code when connecting to the WebSphere Site Analyzer HTTP Server.

User Response: Check that all WebSphere Site Analyzer application servers are up and running. Refer to the HTTP return code documentation (RFC 2068) for return code explanations.

DWC08904I The polling step program executed successfully. The last timestamp for processing Web Tracker data is *timestamp*.

Explanation:

User Response:

DWC08906I Web Connector user defined program executed successfully. There were no data imports selected as input to the step.

Explanation:

User Response: You may want to select a data import for polling as input for the Web Traffic Polling step.

DWC08907W WebSphere Site Analyzer data import *data-import* returned warning code *SACode*.

Explanation: WebSphere Site Analyzer warning code *SACode* was returned as the polling status of data import *data-import*.

User Response: Refer to the WebSphere Site Analyzer documentation for more information.

DWC08908N The WebSphere Site Analyzer clickstream data assimilation process is not complete.

Explanation: WebSphere Site Analyzer is still in the process of extracting the Web Traffic data to the WebSphere Site Analyzer Webmart from the data imports selected as input to the polling step.

User Response: The Web Traffic Polling step failed after retrying the number of times specified on the processing options tab of the Web Traffic Polling step properties. The data in the WebSphere Site Analyzer Webmart is not yet ready for extraction by Warehouse Manager.

DWC08909N WebSphere Site Analyzer data import *data-import* returned error code *SACode*.

Explanation: WebSphere Site Analyzer error code *SACode* was returned as the polling status of data import *data-import*.

User Response: Refer to the WebSphere Site Analyzer documentation for more information.

DWC08910N WebSphere Site Analyzer returned informational code *SACode*. Execution of the Web Connector program was not successful.

Explanation:

User Response: Refer to the WebSphere Site Analyzer documentation for more information.

DWC08911N WebSphere Site Analyzer returned warning code *SACode*. Execution of the Web Connector program was not successful.

Explanation:

User Response: Refer to the WebSphere Site Analyzer documentation for more information.

DWC08912N WebSphere Site Analyzer returned error code *SACode*.

Explanation: A global Site Analyzer error message identified by *SACode* was returned during execution of the Web Connector program.

User Response: Refer to the WebSphere Site Analyzer documentation for more information.

DWC08913N Unable to retrieve valid data from WebSphere Site Analyzer.

Explanation: The data returned from WebSphere Site Analyzer was either corrupt or WebSphere Application Server indicated a program exception.

User Response: Check that all WebSphere Site Analyzer application servers are running. Consult your IBM service representative.

DWC08914N Project name does not exist in WebSphere Site Analyzer.

Explanation: The project name specified in Data Warehouse Center does not exist in WebSphere Site Analyzer.

User Response: Make sure that the project name entered in the Data Warehouse Center matches the name specified in Websphere Site Analyzer. Redefine the WebSphere Site Analyzer source or change the Data Warehouse Center's source properties. Site Analyzer Project names are case sensitive.

DWC08915N One or more of the data imports you selected does not exist on the WebSphere Site Analyzer server.

Explanation: There is a mismatch between the data import definitions stored in Data Warehouse Center and the data import definitions in WebSphere Site Analyzer.

User Response: Make sure the data imports you would like to poll exist on WebSphere Site Analyzer. If you recreated the data imports in Site Analyzer it is necessary to redefine them in Data Warehouse Center.

DWC08916C Internal error: Invalid connection string passed from agent to Web Connector program.

Explanation:

User Response: Contact your IBM service representative.

DWC08917C Internal error: Failed to access input file.

Explanation:

User Response: Contact your IBM service representative.

DWC08918C Internal error: Corrupted input file content.

Explanation:

User Response: Contact your IBM service representative.

DWC08919C Internal error: WebSphere Site Analyzer did not return any data.

Explanation: A WebSphere Site Analyzer request did not return any data. An internal server error may have occurred.

User Response: Check that all WebSphere Site Analyzer application servers are up and running. Contact your IBM service representative for more information.

DWC08920C Internal error: No WebSphere Site Analyzer Project name.

Explanation:

User Response: Please contact your IBM representative.

DWC08921C Internal error: An unexpected error occurred while running the Web Connector program.

Explanation:

User Response: Contact your IBM service representative.

DWC08922C Internal error: Abnormal termination of executing thread.

Explanation: The thread executing the Web Traffic polling step program was interrupted unexpectedly.

User Response: Contact your IBM representative.

DWC08923C No IBM JSSE provider found. The ibmjsse.jar file cannot be accessed by the Web Connector program.

Explanation: The ibmjsse.jar file is not in your CLASSPATH or the file has been moved from its installation directory.

User Response: Check that the Web Connector settings in the agent environment file are active.

DWC08928C Internal error: Unable to retrieve message for user-defined program.

Explanation:

User Response: Contact your IBM service representative.

DWC08929C Internal Error: Failed to access output file.

Explanation:

User Response: Contact your IBM service representative.

DWC08930E An internal SAP extractor error occurred. Message category = *category-name*. Message code = *code-id* in function *function-name*.

User Response: Please refer to the message category, message code and the SAP message.

DWC08931E Cannot connect to the SAP server. Message category = *category-name*. Message code = *code-id*. SAP message = *message-id*.

Explanation: The SAP server is down or there was an authentication problem.

User Response: Please refer to the message category, message code and the SAP message for further explanation.

DWC08932E An error occurred during the retrieval of the Business Objects list. Message category = *category-name*. Message code = *code-id*. SAP message = *message-id*.

User Response: Please refer to the message category, message code and the SAP message for further explanation.

DWC08933E An error occurred during the retrieval of the Business Objects details. Message category = *category-name*. Message code = *code-id*. SAP message = *message-id*.

User Response: Please refer to the message category, message code and the SAP message for further explanation.

DWC08934E An error occurred during the retrieval of SAP data. Message category = *category-name*. Message code = *code-id*. SAP message = *message-id*.

User Response: Please refer to the message category, message code and the SAP message for further explanation.

DWC08935E An error occurred during the population of the target table. Message category = *category-name*. Message code = *code-id*. SAP message = *message-id*.

User Response: Please refer to the message category, message code and the related message for further explanation.

DWC08936W Skipped *function-name* due to inconsistent metadata found in the Business Object details. Message category = *category-name*. Message code = *code-id*. SAP message = *message-id*.

Explanation: This business object will not be retrieved because of inconsistent metadata.

User Response: Please refer to the message category, message code and the SAP message for further explanation.

DWC08937I Connecting to the SAP Server. Message category = *category-name*. Message code = *code-id*. SAP message = *message-id*.

DWC08938I Retrieving Business Objects list. Message category = *category-name*. Message code = *code-id*. SAP message = *message-id*.

DWC08939I Retrieving Business Objects details. Message category = *category-name*. Message code = *code-id*. SAP message = *message-id*.

DWC08940I Retrieving SAP data. Message category = *category-name*. Message code = *code-id*. SAP message = *message-id*.

DWC08941I Populating the target table. Message category = *category-name*. Message code = *code-id*. SAP message = *message-id*.

DWC08951I WebSphere Site Analyzer data import *data-import* returned informational code *SACode*.

Explanation: WebSphere Site Analyzer error code *SACode* was returned as the polling status of data import *data-import*.

User Response: Refer to the WebSphere Site Analyzer documentation for more information.

DWC09001E A Data Warehouse Center process timed out waiting for an operating system event to occur.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09002E An error occurred creating a new process.

Explanation: When this message is the secondary return code for message 7220, it can either be caused by an invalid user ID or password supplied on the agent site definition, or when the agent executable, IWH2AGNT, is missing or damaged.

User Response: Check the user ID and password supplied for the agent site definition. If this information is correct, contact IBM Software Support for additional help.

DWC09003E An error occurred terminating an existing process.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09004E A process which was already running was requested to start.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09005E A process which was no longer active was requested to terminate.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09006E An error occurred creating a new thread.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09007E An error occurred terminating an existing thread.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09008E An attempt was made to create a thread which already existed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09009E An attempt was made to terminate a thread which no longer existed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error

message and contact IBM Software Support with the information.

DWC09010E An error occurred while acquiring a mutual exclusion semaphore.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09011E An attempt was made to acquire a mutual exclusion semaphore which was already acquired.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09012E An error occurred releasing a mutual exclusion semaphore.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09013E An attempt was made to release a mutual exclusion semaphore which was already released.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09014E An error occurred while creating a mutual exclusion semaphore.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error

message and contact IBM Software Support with the information.

DWC09015E An attempt was made to acquire or release a mutual exclusion semaphore which was not open.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09016E An error occurred signaling an event semaphore.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09017E An error occurred while waiting for an event semaphore.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09018E An error occurred creating an event semaphore.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09019E An error occurred opening the Data Warehouse Center .INI file (in the Registry).

Explanation: The Data Warehouse Center portion of the NT Registry could not be accessed.

User Response: Make sure that the user ID and

password specified during initialization has Administration authority, and that entries exist in the NT registry for HKEY_LOCAL_MACHINE/SOFTWARE/IBM/Data Warehouse Center.

DWC09020E Failed to obtain the security account information for the user ID specified with the agent site user ID.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09021E Failed on event semaphore set signal.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09022E Failed on event semaphore reset signal.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09102E A Message Queue already exists.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09103E Message Queue creation failed. This may indicate that another process is using the same port number.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09104E Message Queue destroy failed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09105E VWERR_Q_LISTEN_TERMINATED Message queue instance count is invalid.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09106E VWERR_Q_LISTEN_TERMINATED Message queue listen terminated abnormally.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09107E VWERR_Q_MSG_INVALID Invalid message received by queue.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error

message and contact IBM Software Support with the information.

DWC09108E VWERR_Q_MSGTYPE_INVALID
Invalid message type received.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09109E VWERR_Q_MSGSIZE_INVALID
Invalid message queue size specified.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09110E VWERR_Q_MSGNUM_INVALID
Invalid message number passed to message queue.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09111E VWERR_Q_NAME_INVALID
Invalid message queue name received.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09112E Message Queue not created.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error

message and contact IBM Software Support with the information.

DWC09113E VWERR_Q_PURGE_FAILED
Message queue purge failed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09114E VWERR_Q_RECEIVE_FAILED
Message receive failed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09115E VWERR_Q_ACCEPT_FAILED
Message queue accept failed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09116E VWERR_Q_SEND_FAILED
Message queue send failed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09117E VWERR_Q_TIMEOUT Message
queue timeout occurred before
message received.

Explanation: A Data Warehouse Center internal error occurred.

User Response:

1. If importing table names, restrict the list to fewer tables. Some ways to do this are:
 - Request tables but not views.
 - Use a table qualifier.
 - Request a table qualifier and table name.
2. Increase the agent start/stop timeout in the configuration.
3. If this is not successful, record all details of this error message and contact IBM Software Support with the information.

DWC09118E VWERR_Q_MSG_NUMBER_INVALID

Invalid message number specified.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09119E VWERR_Q_UNSUPPORTED_CHARTYPE

Invalid message queue character type (non-Unicode) specified.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09120E VWERR_Q_NO_MESSAGE_ON_Q

No message received on message queue.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09121E The maximum number of clients

is already being polled. Maximum client count: *count*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09122E The client name is invalid. Client name: *name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09123E No room in the poll client table for another client. Current client count: *count*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09124E Polling a partner process failed, indicating that the partner has lost connectivity or died. Ping message: *message*. **Loop count:** *count*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09125E There are no dead client names to return.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09141E VWERR_M_SET_FAILED
Message attribute set method failed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09142E VWERR_M_GET_FAILED
Message attribute get method failed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09143E VWERR_M_SET_DATA_INVALID
Message attribute set method contains invalid data.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09144E VWERR_M_NOT_READY_FOR_SEND
Message not ready for send.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09145E VWERR_M_CORRUPTED
Message contents corrupted.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09146E VWERR_M_UNSUPPORTED_CHAR_TYPE
Message contents contain unsupported (non-Unicode) character type.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09147E VWERR_M_PACK_FAILED
Message pack method failed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09148E VWERR_M_BUFFER_TOO_LARGE
Message pack buffer too large.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09149E The Data Warehouse Center client message code is a down-level version and cannot communicate with the installed warehouse server.

Explanation: The Data Warehouse Center client message code is a down-level version and cannot communicate with the installed warehouse server.

User Response: You must upgrade the client code to match the warehouse server level.

DWC09152E Win32 function FormatMessage() failed. Attempted lookup for return code: *return-code*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09153E Win32 function LoadLibrary() failed. Attempted to load file:
file-name.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09154E Win32 function RegCreateKeyEx() failed. Subkey: *subkey.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09155E Win32 function RegSetValueEx() failed. Value: *value.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09156E Win32 function RegisterEventSource() failed. Event source name: *source-name.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09157E Win32 function ReportEvent() failed. Event code: *code.* **Event type:** *type.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09158E Data Warehouse Center was unable to delete a key from the Windows NT registry. Key:
key-name.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09159E Win32 function RegOpenKeyEx failed. Key: *key.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09160E Win32 function RegQueryValueEx failed. Value: *value.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09161E Win32 function GetEnvironmentVariable failed. Variable name: *name.*

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09162E The configuration variable *variable-name* was not found in the configuration table.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09163E The configuration variable *variable-name* is not a numerical variable.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09164E The configuration variable *variable-name* is not a character string variable.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09171E The NT Service *service-name* could not be started.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09172E Win32 function OpenSCManager() failed.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09173E Win32 function CreateService() failed. Service name: *service-name*. Service label: *service-label*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09181E A call to new failed. Memory name: *name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09191E A call to _wfopen() failed. File name: *file-name*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09192E A call to fwprintf() failed. File name: *file-name*. String: *string*.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09203E An invalid number of arguments was received.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09204E An invalid argument was received.

Explanation: A Data Warehouse Center internal error occurred.

User Response: Record all details of this error message and contact IBM Software Support with the information.

DWC09205E The Create Database DB2 Command failed for the control database.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10004E WSAEINTR The (blocking) call was canceled via WSACancelBlockingCall().

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10009E WSAEBADF

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10013E WSAEACCES The requested address is a broadcast address, but the appropriate flag was not set.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10014E WSAEFAULT The argument is not in a valid part of the user address space.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10022E WSAEINVAL The socket has not been bound to an address with bind, or the listen function was not invoked before accept.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10024E WSAEMFILE The queue is empty upon entry to accept and there are no descriptors available.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10035E WSAEMFILE No more file descriptors are available.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10036E WSAEINPROGRESS A blocking windows sockets operation is in progress.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10037E WSAEALREADY The asynchronous routine being canceled has already completed.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10038E WSAENOTSOCK The descriptor is not a socket.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10039E WSAEDESTADDRREQ A destination address is required.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10040E WSAEMSGSIZE The datagram was too large to fit into the specified buffer and was truncated.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10041E WSAEPROTOTYPE The specified protocol is of wrong type for this socket.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10042E WSAENOPROTOOPT The option is unknown or unsupported by the socket type in your operating system.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10043E WSAEPROTONOSUPPORT The specified protocol is not supported.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10044E WSAESOCKTNOSUPPORT The specified socket type is not supported in this address family.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10045E WSAEOPNOTSUPP The referenced socket is not of a type that supports connection-oriented service.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10046E WSAEPFNOSUPPORT

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10047E WSAEAFNOSUPPORT The specified address family is not supported by this protocol.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10048E WSAEADDRINUSE The specified address is already in use.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10049E WSAEADDRNOTAVAIL The specified address is not available from the local computer.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10050E WSAENETDOWN The Windows Sockets implementation has detected that the network subsystem has failed.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10051E WSAENETUNREACH The network cannot be reached from this host at this time.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10052E WSAENETRESET The connection must be reset because the Windows Sockets implementation dropped it.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10053E WSAECONNABORTED The virtual circuit was aborted due to timeout or other failure.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10054E WSAECONNRESET The virtual circuit was reset by the remote side.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10055E WSAENOBUFS No buffer space is available.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10056E WSAEISCONN The socket is already connected.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10057E WSAENOTCONN The socket is not connected.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10058E WSAESHUTDOWN The socket has been shut down.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10059E WSAETOOMANYREFS

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10060E WSAETIMEDOUT The attempt to connect timed out without establishing a connection.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10061E WSAECONNREFUSED The attempt to connect was forcefully rejected.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10062E WSAELOOP

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10063E WSAENAMETOOLONG

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10064E WSAEHOSTDOWN

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10065E WSAEHOSTUNREACH

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10066E WSAENOTEMPTY

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10067E WSAEPROCLIM

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10068E WSAEUSERS

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10069E WSAEDQUOT

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10070E WSAESTALE

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10071E WSAEMFILE

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10091E WSASYSNOTREADY The underlying network subsystem is not ready for network communication.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10092E WSAVERNOTSUPPORTED The version of Windows Sockets support requested is not provided by this particular Windows Sockets implementation.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC10093E WSANOTINITIALISED A successful WSA startup must occur before using this function.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC11001E WSAHOST_NOT_FOUND Authoritative answer host not found.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC11002E WSATRY_AGAIN Non-authoritative host not found, or SERVERFAIL.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC11003E WSANO_RECOVERY Nonrecoverable errors: FORMERR, REFUSED, NOTIMP.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC11004E WSANO_DATA Valid name, but no data record of requested type.

Explanation: An internal error occurred.

User Response: Contact IBM Software Support.

DWC12001I The warehouse server has been successfully started.

Explanation: Informational Message.

User Response: None.

DWC12002I The warehouse server has been successfully stopped.

Explanation: Informational Message.

User Response: None.

**DWC12003I The Data Warehouse Center
Logger has been successfully
started.**

Explanation: Informational Message.

User Response: None.

**DWC12004I The Data Warehouse Center
Logger has been successfully
stopped.**

Explanation: Informational Message.

User Response: None.

**DWC13001E Import/Export failed to open the
tag language file *filename*.**

Explanation: The tag language file could not be opened for input (Import) or output (Export) due to one of the following reasons:

- The tag language file is in use.
- The file name is invalid.
- Import only: The file name is not an existing file name. Use Find to select an existing tag language file.
- Import only: One of the associated files was not in the same directory as the tag file.

User Response: If a tag language file is being replaced on Export, ensure that it does not have the read-only attribute set. On Import, ensure all the associated files with numbered extensions are in the same directory as the tag file.

**DWC13002E The tag language file contains no
valid tags to import.**

Explanation: An empty tag language file was detected on Import, or the tag language file that you specified does not contain any usable tags to import.

User Response: Verify that you have specified the name of a file containing valid tag language for Data Warehouse Center objects.

**DWC13003E Import cannot read the tag
language file.**

Explanation: An error occurred while Import read the tag language file.

User Response: Verify that the tag language file has not been corrupted during Import. Then, verify that there is enough memory available on your system.

**DWC13004E Incomplete object definition or
relationship definition in the tag
language file.**

Explanation: Import detected an incomplete object or relationship definition at the end of the tag language file.

User Response: Verify that the tag language file is not corrupt by attempting to export and import it. If you still receive this error, there might be a problem with the program that generated the file. If you used an external program, contact the vendor that provides the program or tag language file.

**DWC13101E Export failed to open the input
file.**

Explanation: The input file could not be opened on Export. The file is in use or the file name is invalid.

User Response: If you are using the interface to export the file, verify that the file is not in already in use and that the file name is correct. If the error still occurs, contact IBM Software Support.

**DWC13102E The input file contains no usable
data for export.**

Explanation: An empty input file was detected during export.

User Response: Attempt to export again. If the message occurs repeatedly, contact IBM Software Support.

DWC13103E Export cannot read the input file.

Explanation: Error occurred while reading the input file on Export.

User Response: Verify the input file has not been corrupted during Export. Then, verify that there is an adequate amount of memory available on your system.

DWC13105E The object type specified in a relationship does not exist.

Explanation: An attempt was made to export a relationship to or from an unknown type of object.

User Response: Contact IBM Software Support.

DWC13106E An installation error has occurred. Export cannot open the file(s) containing object definitions.

Explanation: To perform an export, Data Warehouse Center must access the following files:

- Flgnyvw0.ty1
- Flgnyvw1.ty1

These files are missing.

User Response: Re-install Data Warehouse Center.

DWC13201E Import failed to open the log file.

Explanation: The log file could not be opened on Import due to one of the following reasons:

- The filename is not valid.
- The pathname is not valid.
- You do not have write access to the log path.

User Response: Verify that you have write access to the log path specified and that there is an adequate amount of memory and storage available on your system. If the problem persists, contact IBM Software Support.

DWC13202E Syntax error -- one or more tags are out of sequence. An OBJECT tag must follow an ACTION.OBJINST tag.

Explanation: The tag language file you tried to import contains an incomplete object definition. An OBJECT tag was not found after an ACTION.OBJINST tag.

User Response: Verify that the tag language file is not being corrupted. To do this, run import again (or attempt to export and import again).

If the tag language file is corrupted, correct the tag language file and run import again. If you still receive this error contact IBM Software Support (or the vendor who provided the tag language file).

DWC13203E Syntax error -- OBJECT tag. The TYPE keyword could not be found.

Explanation: The tag language file you tried to import contains an incomplete object definition. The TYPE keyword of an OBJECT tag could not be found or the syntax of the tag is incorrect.

User Response: Verify that the tag language file is not being corrupted. To do this, run import again (or attempt to export and import again).

If the tag language file is corrupted, correct the tag language file and rerun Import. If you still receive this error contact IBM Software Support (or the vendor who provided the tag language file).

DWC13204W OBJECT tag -- the value for the TYPE keyword is not a valid type.

Explanation: Import did not recognize the value of the TYPE keyword for an OBJECT tag. The TYPE keyword should be identical to one of the OBJECT TYPE values defined at the top of a tag language file.

User Response: Correct the syntax error and rerun Import. Then, verify that the tag language file is not being corrupted. To do this, run import again (or attempt to export and import again). If

the tag language file is corrupted, correct the tag language file and rerun Import. If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13205E Import must end because more memory is needed. You might need to close other windows or applications.

Explanation: Import could not allocate the memory it needed to represent a Data Warehouse Center object .

User Response: Increase the virtual memory available to your system (paging file size), or close other windows or applications that are running. If problem persists, contact IBM Software Support.

DWC13206E Syntax error -- one or more tags is out of sequence. An INSTANCE tag could not be found after an ACTION.OBJINST tag.

Explanation: The tag language file you tried to import contains an incomplete object definition. To identify the object instance being updated, an INSTANCE must follow an ACTION.OBJINST tag .

User Response: Verify that the tag language file is not being corrupted. To do this, run import again (or attempt to export and import again). If the tag language file is corrupted, correct the tag language file and run Import again. If you still receive this error contact IBM Software Support (or the vendor who provided the tag language file).

DWC13207E Syntax error -- one or more tag is out of sequence. A RELTYPE tag could not be found after an ACTION.RELATION tag.

Explanation: The tag language file you tried to import contains an incomplete relationship definition. A RELTYPE tag could not be found for an object definition.

User Response: Verify that the tag language file is not being corrupted. To do this, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software Support (or the vendor who provided the tag file).

DWC13208E Syntax error -- RELTYPE tag. The TYPE keyword could not be found.

Explanation: The tag language file you tried to import contains an incomplete relationship definition. The TYPE keyword for a RELTYPE tag could not be found or the syntax is incorrect.

User Response: Verify that the tag language file is not being corrupted. To do this, run import again (or attempt to export and import again). If the tag language file is corrupted, correct the tag language file and rerun Import. If you still receive this error contact IBM Software Support (or the vendor who provided the tag language file).

DWC13209E Syntax error -- RELTYPE tag. The SOURCETYPE keyword could not be found.

Explanation: The tag language file you tried to import contains an incomplete relationship definition. The SOURCETYPE keyword for a RELTYPE tag could not be found.

User Response: Verify that the tag language file is not being corrupted. To do this, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13210W RELTYPE tag -- the value for the SOURCETYPE keyword is not a valid type.

Explanation: The value of the SOURCETYPE keyword for a RELTYPE tag is not valid. The SOURCETYPE keyword for a RELTYPE tag should be one of the OBJECT TYPE values defined at the top of the tag language file.

User Response: Correct the tag language file and run Import again. If the error persists, verify that the tag language file is not being corrupted. To do this, attempt to export and import the file again. If the tag language file is corrupted, correct the file and run Import again. If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13211E Syntax error -- RELTYPE tag. The TARGETYPE keyword could not be found.

Explanation: The tag language file you tried to import contains an incomplete relationship definition. The TARGETYPE keyword for a RELTYPE tag could not be found.

User Response: Correct the tag language file and run Import again. If the error persists, attempt to export and import again to verify that the tag language file is not corrupted. If the tag language file is corrupted, correct the tag language file and run Import again. If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13212W RELTYPE tag -- the value for the TARGETYPE keyword is not a valid type.

Explanation: The TARGETYPE keyword for a RELTYPE tag should be one of the OBJECT TYPE values defined at the top of the tag language file.

User Response: Verify that the tag language file is not being corrupted. To do this, attempt to export and import again. If the tag language file is corrupted, correct the tag language file and run Import again. If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13213E Syntax error -- one or more tag is out of sequence. An INSTANCE tag could not be found after an ACTION.RELATION tag.

Explanation: The tag language file you tried to import contains an incomplete relationship definition. An INSTANCE tag could not be found for a relationship definition.

User Response: Verify that the tag language file is not being corrupted. To do this, attempt to export and import again. If the tag language file is corrupted, correct the tag language file and run Import again. If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13214E Syntax error -- RELTYPE tag. The SOURCEKEY keyword could not be found.

Explanation: The tag language file you tried to import contains an incomplete relationship definition. The value for the SOURCEKEY keyword of a RELTYPE tag could not be found.

User Response: Verify that the tag language file is not being corrupted. To do this, attempt to export and import again. If the tag language file is corrupted, correct the tag language file and run Import again. If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13215E Syntax error -- RELTYPE tag. The TARGETKEY keyword could not be found.

Explanation: The tag language file you tried to import contains an incomplete relationship definition. The value for TARGETKEY keyword of a RELTYPE tag could not be found.

User Response: Verify that the tag language file is not being corrupted. To do this, attempt to export and import again. If the tag language file is corrupted, correct the tag language file and run Import again. If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13216E Syntax error -- an ACTION tag could not be found.

Explanation: The tag language file you tried to import contains an incomplete object or relationship definition. An ACTION tag for an object or relationship definition could not be found.

User Response: Verify that the tag language file is not being corrupted. To do this, attempt to export and import again. If the tag language file is corrupted, correct the file and run Import again. If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13217E An invalid tag name *tag-name* was encountered.

Explanation: An invalid tag was found in the tag language file.

User Response: Consult the *Information Catalog Manager Administration Guide* for a list of valid tags. Then, insert the correct tag into the tag language file. Next, attempt to export and import again to verify that the tag language file is not corrupted. If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13218E Syntax error -- ACTION tag. :ACTION. must be followed immediately by an OBJTYPE, OBJINST or RELATION keyword.

Explanation: The tag language file you tried to import contains invalid tag language. It contains an :ACTION. tag that does not contain one of the keywords OBJTYPE, OBJINST, or RELATION.

User Response: Add the proper syntax to the tag language file. Then, to verify that the tag language file is not being corrupted, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13219E An internal error has occurred.

Explanation: An internal error has occurred in Import.

User Response: Contact IBM Software Support.

DWC13220E An internal error has occurred.

Explanation: An internal error has occurred in Import.

User Response: Contact IBM Software Support.

DWC13221E Syntax error -- a tag contains invalid nesting of parentheses.

Explanation: The tag language file you tried to import contains invalid tag language. An :INSTANCE tag contains an invalid nesting of parentheses.

User Response:

1. Correct the syntax error in the tag language file. Then, to verify that the tag language file is not being corrupted, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).
2. Verify that the tag language file does not contain () in metadata. If the file does contain (), they must be enclosed in single quotes.

DWC13222E Syntax error -- a closing parenthesis for a keyword value could not be found.

Explanation: The tag language file you tried to import contains invalid tag language. A closing parenthesis for a tag keyword could not be found.

User Response: Correct the syntax error in the tag language file. Then, to verify that the tag language file is not being corrupted, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software

Support (or the vendor who provided the tag language file).

DWC13223E An internal error has occurred.

Explanation: An internal error was introduced into the import program.

User Response: Look up any other errors that are reported. If no other errors are reported, contact IBM Software Support.

DWC13224E A Data Warehouse Center object referenced in the SOURCEKEY or TARGETKEY keyword of a relationship definition does not exist.

Explanation: A Data Warehouse Center object referenced in the SOURCEKEY or TARGETKEY value of a relationship definition was not defined in the target control database when Import processed the relationship. An object referenced in a relationship definition must either be defined in the tag language file before the relationship definition is defined or the object must already exist in the target database.

User Response: Correct the syntax in the tag language file. Then, to verify that the tag language file is not being corrupted, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13226E An internal error has occurred.

Explanation: Import was unable to allocate a Data Warehouse Center object corresponding to a tag object definition.

User Response: Increase the virtual memory available to your system (paging file size). If you still receive this error, contact IBM Software Support.

DWC13227E Data Warehouse Center does not allow a relationship between SOURCTYPE *source-type-name* and TARGETYPE *target-type-name*.

Explanation: Data Warehouse Center does not allow a relationship between objects of the specified SOURCTYPE and objects of the specified TARGETYPE.

User Response: Correct the error in the tag language file. Then, to verify that the tag language file is not being corrupted, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software Supports or the vendor who provided the tag language file).

DWC13229E An internal error has occurred.

Explanation: An internal error has occurred.

User Response: Contact IBM Software Support.

DWC13230E A Data Warehouse Center object referenced in the SOURCEKEY or TARGETKEY keyword of a relationship definition does not exist.

Explanation: A Data Warehouse Center object referenced in the SOURCEKEY or TARGETKEY value of a relationship definition was not defined in the tag language file before Import processed the relationship. Object types must appear in the tag language file before a relationship which refers to them appears in the tag language file. Or, the object types must already exist in the target database. These object types are usually related to steps. For example, these object types might be step maps or step aliases.

User Response: Correct the tag language file. Then, to verify that the tag language file is not being corrupted, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13231E An internal error has occurred.

Explanation: An internal error has occurred.

User Response: Contact IBM Software Support.

DWC13232E A database object does not exist for table object *table-object-name*.

Explanation: A table object was found in a tag language file before its corresponding database object was found in the tag language file. The database is not defined in the target control database. When a table object is processed, its database must either be defined in the tag language file before the table is defined, or it must already exist in the target database.

User Response: Correct the tag language file and run Import again. Then, verify that the tag language file is not being corrupted. To do this, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13233E An INSTANCE *short_name* required by an object could not be found.

Explanation: The tag language file you tried to import contains invalid tag language. One of the INSTANCE keywords required by an object could not be found.

User Response: Correct the tag language file. Then, to verify that the tag language file is not being corrupted, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13234E One of the first five lines of the tag language file must be a COMMENT tag with version information.

Explanation: The tag language file you tried to import is invalid. One of the first five lines in the tag language file must be
:COMMENT.SYSTEM(WindowsNT) or

:COMMENT.SYSTEM(OS/2).

User Response: Correct the tag language file. Then, to verify that the tag language file is not being corrupted, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13235E The value for the PGMTYPE keyword of an IWHPROGF, IWHAGGRF, or IWHTRIGF object is not valid.

Explanation: The tag language file you tried to import is invalid. The value for the PGMTYPE keyword of an IWHPROGF, IWHAGGRF, or IWHTRIGF object is not a valid program type. It must be one of the following numbers, or the equivalent keyword: 0 = Dynamic Load Library, 1 = Command Program, 2 = Executable, 4 = DB2 Stored Procedure

User Response: Correct the tag language file. Then, to verify that the tag language file is not being corrupted, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13236E Cannot create object *object-name* because its associated object does not exist.

Explanation: An object cannot be created because its associated object is not found. Currently, associated objects are relevant for:

- IWHAGGRF and IWHTRIGF objects that need a IWHPROGF object
- IWHFKEY objects that need IWHKEY objects
- IWHKMAP objects that need a COLUMN object

User Response: Correct the tag language file. Then, to verify that the tag language file is not being corrupted, run import again (or attempt to export and import again). If you still receive this error, contact IBM Software Support (or the vendor who provided the tag language file).

DWC13237E Cannot update step *step-name* because it is not in development status.

Explanation: Data Warehouse Center cannot import a step which is already defined in the target control database and is not in development status.

User Response: Demote the step to development status and import again. If you cannot demote the step, you must use the step notebook to update it (rather than using import).

DWC13238W The object of type *object-type* identified by *object-key* is defined twice in the tag language file.

Explanation: An object was defined more than once in the same tag language file. The second instance was saved.

User Response: If errors or problems are caused by the duplicate instance, remove one of the sets of OBJINST tags for the object from the tag language file and attempt to import the file again. If the tag language file was created by a metadata export utility, contact IBM Software Support or the vendor who provided the tag language file.

Consult the log file for additional information.

DWC13239E No object or relationship definitions were processed from the tag language file.

User Response: Ensure the tag language file contains at least one object or relationship definition. If you specified a starting checkpoint ID, ensure there is at least one object or relationship definition after that checkpoint ID, or after any checkpoint ID that is greater than the one specified.

DWC13300E Can not open or read from file *filename*.

Explanation: An error occurred during the attempt to open or read the file *filename*.

User Response: Ensure the file name and path name are correct.

DWC13301E Cannot create or write file *filename*.

Explanation: An error occurred during the attempt to create or write to file *filename*.

User Response: Ensure the file name and path name are correct.

DWC13302E A parsing error occurred in the DB2 Extender DAD file *filename* in token *token-name*. Reason code: *reason-code*.

Explanation: An error in the token *token-name* occurred while parsing the DAD file *filename* for a table definition, as indicated by the following reason codes:

1. XML syntax error in DAD file.
2. A table tag has no name attribute.
3. A column or node does not contain the required values for Name and Type.
4. No <DAD> element found in DAD file.
5. No Xcollection element found in DAD file.
6. Incorrect number of column tags: only one column tag allowed in *RDB-node*.
7. Incorrect number of table tags: one table must be in a *RDB-node* if a column tag exists in this *RDB-node*.

User Response: Correct the syntax error in the DAD file.

DWC13304E A parsing error occurred in the Trillium DDL file *filename* near token *token-name*. Reason code: *reason-code*.

Explanation: An error occurred near the token *token-name* while parsing the Trillium DDL file *filename* for a table definition, as indicated by the following reason codes:

1. The attribute for a field is already defined or no field is defined.

2. A record requires information about type and length.
3. A field requires information about type, length and starts.
4. Length and starts require numeric values.
5. Unexpected end of file. No fields defined for the record.
6. Only one record is allowed per file.

User Response: Correct the syntax error in the DDL file.

DWC13600I The export process is complete.
See the log file *log-file* for details.

Explanation: The Data Warehouse Center always creates a log file to capture all of the details from the export process, whether the export was successful or if it had errors.

User Response: View the log file to see the results of your export process.

DWC13601I The metadata from the control database *control-database* exported successfully.

Explanation: This is an informational message to confirm that the metadata was exported without errors.

User Response: No action is necessary.

DWC13602E The Data Warehouse Center encountered errors while exporting metadata *metadata*.

Explanation: The Data Warehouse Center was unable to export the metadata that you selected because of errors.

User Response: To see more information on these errors, view the log file. Data Warehouse Center always creates a log file to capture the details from the export process, whether the export was successful or if it had errors. If you are unable to correct the errors, contact IBM Software Support for help.

DWC13603E The export utility was unable to open the log file *logfile-name*.

Explanation: The Data Warehouse Center always attempts to create a log file to capture all the details of the export process. This error indicates that Data Warehouse Center cannot access or open this log file. If the Data Warehouse Center cannot create the log file, the export process cannot continue. Some typical reasons that a log file could not be opened include:

- The file name is not valid.
- The path name is not valid.
- You do not have write access to the log path.

User Response: Verify that you have write access to the specified log path and that there is an adequate amount of memory and storage available on your system. If the problem persists, contact IBM Software Support.

DWC13604E The export utility was unable to open the feedback file *feedback-file*.

Explanation: The Data Warehouse Center attempts to create a feedback file in the same directory as the XML file that you are exporting. This error indicates that Data Warehouse Center cannot access or open the feedback file. If Data Warehouse Center cannot create this feedback file, the result of the export process cannot be displayed, and the export process cannot continue.

User Response: Verify that you have write access to the specified path and that there is an adequate amount of memory and storage available on your system. If the problem persists, contact IBM Software Support.

DWC13700E The Data Warehouse Center object *object1-type* named *object1-name*, which is required to import the Data Warehouse Center object *object2-type* named *object2-name*, could not be found.

Explanation: This is an internal error that occurs when the import utility cannot find an

object that should already exist in the Data Warehouse Center. If the required object was not created during the import process, the import utility cannot continue.

User Response: Verify that the XML file that you are importing is not damaged. To do this, regenerate the XML file from its original source and then run the import again. If you still receive this error message, contact IBM Software Support or the vendor who provided the file.

DWC13701E Unable to import the Data Warehouse Center object
object1-type named *object1-name*,
because no common warehouse metamodel object of type
object2-type **was found.**

Explanation: Creating an object of this type depends on Data Warehouse Center finding a necessary common warehouse metamodel object. Without this common warehouse metamodel object, the Data Warehouse Center object is not valid. If you are getting this error message, it is likely that the XML file that you are importing does not contain the necessary common warehouse metamodel object.

User Response: Verify that the XML file that you are importing is not damaged. To do this, regenerate the XML file from its original source and then run the import again. If you still receive this error message, contact IBM Software Support or the vendor who provided the file.

DWC13702E A primary key already exists and cannot be updated. The import process cannot continue.

Explanation: Your warehouse control database has a primary key, and the data that you are trying to import contains a different primary key on the same table. To complete the import process, there must either be just one primary key, or two primary keys that match. You cannot have two different primary keys.

User Response: To resolve the unmatched primary keys, take one of the following actions:

- Change your warehouse control database's primary key to match the primary key that is in the data that you want to import.
- Delete the primary key from the data that you want to import and use the primary key that is in your warehouse control database.
- Change the primary key in the data that you want to import to match the primary key that is in your warehouse control database.

DWC13703E A foreign key already exists and cannot be updated. The import process cannot continue.

Explanation: Your warehouse control database has a foreign key, and the data that you are trying to import contains a different foreign key on the same table. To complete the import process, there must either be just one foreign key, or two foreign keys that match. You cannot have two different foreign keys.

User Response: To resolve the unmatched foreign keys, take one of the following actions:

- Change your warehouse control database's foreign key to match the foreign key that is in the data that you want to import.
- Delete the foreign key from the data that you want to import and use the foreign key that is in your warehouse control database.
- Change the foreign key that is in the data you want to import to match the foreign key that is in your warehouse control database.

DWC13704E The import utility was unable to import the Data Warehouse Center object *object1-type* named *object1-name*. **This is because the value for the TaggedValue object** *object2-type*, **which was specified for the UML object of type** *object3-type*, **is not valid.**

Explanation: This is an internal error that occurs when Data Warehouse Center finds values in the TaggedValue object that are outside of the expected range. For example, the file might contain text values instead of numeric values, or the numeric values are incorrect.

User Response: Contact IBM Software Support, or the vendor who supplied the file.

DWC13705E The import utility was unable to create a temporary XML file in the EXCHANGE directory. Exception = *exception-code*.

Explanation: The Data Warehouse Center must be able to create a copy of the XML file in the same directory as the CWM.DTD file. This error message indicates that Data Warehouse cannot create that XML file. If Data Warehouse Center cannot create this file, the import process cannot continue.

User Response: Verify that you have write access to the specified EXCHANGE path and that there is an adequate amount of memory and storage available on your system. If the problem persists, note the exception code from this error message and contact IBM Software Support.

DWC13706E The XML file *XML-file* cannot be loaded. Exception = *exception-code*.

Explanation: This is an internal error that occurs when Data Warehouse Center is unable to read an XML file during the import process. Typical causes include files that have either been damaged, or that do not contain XML data. If Data Warehouse Center cannot read the XML file, the import process cannot continue.

User Response: Verify that the XML file that you are importing is not damaged. To do this, regenerate the XML file from its original source and then run the import again. If you still receive this error message, contact IBM Software Support or the vendor who provided the file.

DWC13707E The import utility was unable to open the log file *logfile-name*.

Explanation: The Data Warehouse Center always attempts to create a log file to capture all the details of the import process. This error indicates that Data Warehouse Center cannot access or open the log file. If the Data Warehouse Center cannot create the log file, the import process cannot continue.

User Response: Some typical reasons that a log file could not be opened on import include:

- The file name is not valid.
- The path name is not valid.
- You do not have write access to the log path.

Check to see if any of these problems exist and if so, make the necessary changes, or call IBM Software Support.

DWC13708E The import utility was unable to open the feedback file *feedback-file*.

Explanation: The Data Warehouse Center attempts to create a feedback file in the same directory as the XML file that you are importing. This error indicates that Data Warehouse Center cannot access or open the feedback file. If Data Warehouse Center cannot create the feedback file, the result of the import process cannot be displayed.

User Response: Verify that you have write access to the specified path and that there is an adequate amount of memory and storage available on your system. If the problem persists, contact IBM Software Support.

DWC13709N The import utility was unable to copy the *cwm.dtd* file from the EXCHANGE directory to the current directory. Exception = *exception-id*.

Explanation: The Data Warehouse Center must be able to create a copy of the *cwm.dtd* file in the same directory that the import utility is invoked. The Data Warehouse cannot copy the DTD file. If the Data Warehouse Center cannot create this file, the import process cannot continue.

User Response: Verify that you have read access to the specified EXCHANGE path and that you have write access to the current running directory. Verify that there is an adequate amount of memory and storage available on your system. If the problem persists, check the exception code from this error message and contact IBM Software Support. You may also try to copy the

cwm.dtd file manually from the EXCHANGE directory to the current running directory.

DWC14001E *database-name*: Database not found.

Explanation: A transformer internal error occurred. A translatable database was not found in the resource property file.

User Response: Ensure the database is running normally. Verify that the process running the transformer has the authority to create tables. Then, run the transformer again.

DWC14002E Log table access error.

Explanation: A transformer could not access the transformer error log table.

User Response: Ensure the database is running normally. Verify that the process running the transformer has the authority to create tables. Then, run the transformer again.

DWC14003E Log table definition error.

Explanation: The structure of the transformer error log table does not match the structure required by the error logging function. If the transformer code has been updated, the required error logging table structure may have changed.

User Response: Drop the transformer error log table. It will be recreated by the transformer the next time the transformer is run.

DWC14005E Run ID *value* is invalid. It must be an integer.

Explanation: The run ID value specified is invalid. It must be an integer. The run ID is used by the transformers in the log table to uniquely identify the process when the transformer is invoked.

User Response: Change the run ID to an integer.

DWC14006E Required parameter not specified: *parameter-name*.

Explanation: You did not supply a required parameter for the transformer.

User Response: Enter the missing parameter and run the transformer again.

DWC14007E Data type of column *column-name* is not valid for column type specified.

Explanation: The data type of the column does not match the required data type for the period that you specified.

User Response: Take one of the following actions:

- Select a column that has a data type that matches the data type for the period that you specified.
- Change the period to a period that has a data type that matches the column you selected.

DWC14008E Could not access the specified run log: *table-name*.

Explanation: A transformer could not access the transformer error log table.

User Response: Ensure the database is running normally. Verify that the process running the transformer has the authority to create tables. Then, run the transformer again.

DWC14009E Data type of the *column-name* column is not valid; it must be *data-type*.

Explanation: The data type for the selected column is incorrect.

User Response: Correct the column data type and run the transformer again.

DWC14010E Parameters *name* and *name* may not both be specified.

Explanation: You specified information for two fields that cannot be used together.

User Response: Clear one of the fields.

DWC14011E One (and only one) of the parameters *name* and *name* must be specified.

Explanation: You specified information for two fields that cannot be used together.

User Response: Ensure that you specify information for one (and only one) of the fields.

DWC14012E Specified column *column-name* not found in table *table-name*.

Explanation: The specified column was not found in the table that you selected.

User Response: Check that the specified column is defined for the table that you selected or that the proper table is being used.

DWC14013E Unable to calculate statistics value in method *class-name.method-name*. Error type: *error*.

Explanation: A statistics method was unable to complete the calculations for a statistics value. This might have occurred because of one of the following:

- The input values passed to the statistics routine were too small or too large.
- The routine encountered a value of NaN (Not a Number) or Infinity in performing the calculations.

User Response: Correct the input data and rerun the transformer.

DWC14016E Input table column data types must have a common promotable data type.

Explanation: The specified input table columns are expected to be either homogeneous or of types that are related to each other through automatic promotion.

User Response: Take one of the following actions:

- If you are defining a step that uses the PivotData Transformer, verify that the pivot groups are related to each other through automatic promotion.
- If you are defining a step that uses the InvertData Transformer, verify that the source table columns are related to each other through data type promotion (except for the first column if that is to be used for the output column names).

To understand the groups of related data types, refer to the "Promotion of Data Types" section in the *SQL Reference*.

DWC14017E Invalid parameter: *parameter-name*.

Explanation: The parameter passed to the transformer is invalid.

User Response: In the transformer documentation, find the allowable data format for the parameter. Then, fix the parameter.

DWC14018E Primary Key not found for table *table-name*.

Explanation: The table specified does not have a primary key defined for it. The primary key is required for the table update.

User Response: Define a primary key for the specified table.

DWC14019E Value *value* for *parameter-name* parameter is invalid.

Explanation: The value specified for the field is invalid.

User Response: Check the documentation for the transformer to see the allowable data format for the field.

DWC14025E Table *table-name* has no key column to use for updates.

Explanation: For the transformer to update the table, the table must have a primary key column defined.

User Response: Define a primary key on the table and run the transformer again.

DWC14026E Could not access table *table-name*.

Explanation: A transformer could not access the specified table.

User Response: Verify that the specified table exists.

DWC14027E No rows in table *table-name*.

Explanation: The specified table is empty. No rows are defined for the table.

User Response: Verify that the correct table is specified.

DWC14028E NaN or Infinity returned by a Statistics function.

Explanation: A statistics method was unable to complete the calculations for a statistics value. Not a Number (NaN) or Infinity was returned from the calculate.

User Response: Contact IBM Software Support.

DWC14029E Both parameters *name* **and** *name* **must be specified if one is.**

Explanation: You cannot use one field without using the other.

User Response: Provide information for both of these fields.

DWC14030N The table *table-name* **does not have a run id field.**

Explanation: The first column of the target table needs to be an integer. The target error table must have a run id integer column or the transformer cannot insert rows into the target table. The target error table is created when the transformer is run for the first time, or when the transformer does not find the target error table in the target database.

User Response: The target error table must have a run id column. Add a run id integer

column to the target error table or drop the target error table, and let the transformer recreate the table at run time. To add the run id column, you must alter the target error table.

DWC14031N The table *table-name* **could not be created.**

Explanation: The table could not be created by the transformer due to a database error. An SQLException was returned by the DB2 JDBC driver.

User Response: Check the privileges to create the table in the target database. For more details, check the contents of the transformer log table.

DWC14100E A value sub-parameter was not specified in the *parameter-name* **parameter.**

Explanation: You provided information for a field without specifying the required secondary information.

User Response: Specify the correct secondary information and run the transformer again.

DWC14101E Data type of *column-name* **column must be DATE, TIMESTAMP, or TIME.**

Explanation: You specified a column that has an incorrect data type. The data type must be DATE, TIMESTAMP, or TIME.

User Response: Correct the data type to DATE, TIMESTAMP, or TIME and run the transformer again.

DWC14102E Value for *parameter-name* **parameter is earlier than** *parameter-name* **parameter.**

Explanation: The value specified for the first parameter in the message must be later than the value specified for the second parameter in the message.

User Response: Correct the value in the first parameter (or second parameter if necessary) and run the transformer again.

DWC14103E Invalid *value* sub-parameter specified for column *column-name*.

Explanation: You specified an invalid sub-parameter for a column.

User Response: Specify a valid value for the sub-parameter and run the transformer again.

DWC14104E The specified Date or Time value *value* is not in ISO format or has incorrect values.

Explanation: You specified an incompatible Date or Time value.

User Response: Correct the data type to Date, TimeStamp, or Time and run the transformer again.

DWC14200E ANOVA supports up to 3 Grouping columns.

Explanation: ANOVA supports from 1 to 3 Grouping columns. The number of Grouping columns determines the type of ANOVA calculation performed. One, two, or three grouping columns results in either a One-way, Two-way, or Three-way ANOVA, respectively.

User Response: Change the number of Grouping columns accordingly.

DWC14201E ANOVA Grouping column is the same as Data column.

Explanation: An ANOVA Grouping column is the same as the Data column.

User Response: Remove the column that you want to use as the Data column from the Grouping columns.

DWC14202E ANOVA Cell count is less than 2.

Explanation: In the Two-way or Three-way ANOVA, the multi-dimensional cell count (number of data items in the subgroup) must be 2 or greater.

User Response: Check the input data table and

ensure that the input data conforms to this requirement.

DWC14203E ANOVA Cell count is not equal in all cells.

Explanation: In the Two-way or Three-way ANOVA, the multi-dimensional cell count (number of data items in the subgroup) must be equal across all cells.

User Response: Check the input data table and ensure that the input data conforms to this requirement.

DWC14204E Query returned incorrect number of rows for *grouping-column-name*.

Explanation: During a query, an invalid number of rows was returned for the Grouping column specified. The number of rows expected was determined from an earlier query.

User Response: Rerun the function. Ensure that the input table is not being concurrently updated by another process.

DWC14255E Table cannot be cross-tabulated.

Explanation: The input table for the Chi-square transformer cannot be converted into a cross-tabulated table. Two grouping columns have been entered. Conceptually, Chi-square uses the data in these two columns to form the rows and columns of a cross-tabulated table populated by the Observed Frequencies column data.

User Response: Check that the grouping columns in the input table contain data that can be used to create a cross-tabulated table.

DWC14256E Cannot calculate expected values without two grouping columns.

Explanation: Two grouping columns are required to calculate expected values.

User Response: Select an additional column to be a grouping column or specify a column to be used as Expected frequencies column.

DWC14257E Cannot calculate expected values if Expected Frequencies column is specified.

Explanation: You have entered an Expected Frequencies column name and an Expected Values output table name. Only one or the other can be specified.

User Response: Remove either the Expected Frequencies column name or the Expected Values output table name from the step.

DWC14300E Input data column not specified for rule definition *rule-name*.

Explanation: You did not provide a source data column for a rule that you defined.

User Response: Verify that the source table has been imported into the Data Warehouse Center and that all columns that are used in the rules definition exist in the imported table.

DWC14301E Two or more rows specifying the same output column *column-name* have different input columns.

Explanation: You defined two or more rules that write to the same target column.

User Response: Change the Clean Data transformer rule definitions so that each column in the target table is associated with only one column in the source table.

DWC14302E Input column *column-name* and output column *column-name* data types do not match.

Explanation: One or more of the name columns in the source and target tables that you defined in a rule have different data types.

User Response: Ensure that the name columns in the source and target tables are of the same type.

DWC14303E In rule definition *rule-definition*, no rule type specified for table *table-name*.

Explanation: You did not specify a clean type for a clean transformer.

User Response: Verify that you selected a clean type for each entry in the Data Warehouse Center Clean Data transformer window.

DWC14304E In rule definition *rule-name*, no table specified for rule type *rule-type*.

Explanation: You did not specify a rule table for a rule definition.

User Response: Ensure that all "find and replace", "clip", and "discretize" rules have rules tables that exist and are known to the Data Warehouse Center.

DWC14305E In rule definition *rule-name*, no columns specified for table *table-name*.

Explanation: You did not specify columns for a rule definition.

User Response: Verify that each "find and replace", "clip", and "discretize" rule has a table with columns appropriate to the selected rule.

DWC14306E In rule definition *rule-name*, no table specified for specified columns *column-names*.

Explanation: You did not specify a rule table for a rule definition.

User Response: Verify that each "find and replace", "clip", and "discretize" rule has a table with columns appropriate to the selected rule.

DWC14307E In rule definition *rule-name*, rule type *rule-type* requires count column names.

Explanation: You selected a rule table that does not have the correct number of columns selected for the rule that you are defining.

User Response: Select the correct number of columns for the rule definition.

The find and replace rule requires 2 or 3 columns, the extra column being the order by column (see the "Managing Data Warehouse Center" in the section titled "Using transformers").

The Discretization rule requires 3 or 4 columns with the extra column specifying the order in which the rules are pulled from the rule table. The clip rules requires 4 or 5 columns, where the extra optional column is specified for the same reasons as the previous two rules.

DWC14308E In rule definition *rule-name*, input and output column data types do not match those of the rule table.

Explanation: In a rule definition, you specified a rule table that has different data types than the source and column data type you specified.

User Response: Verify that the named columns in the rule table (other than the order column) have the same data type as the named columns in the source and target tables.

DWC14309E In rule definition *rule-name*, the row clean parameter *name* is invalid. It must be a "0" or "1".

Explanation: The row clean parameter for a rule definition is invalid.

User Response: Ensure that the SQL string contains either a "0" or a "1" for this parameter. The default is "0".

DWC14310E In rule definition *rule-name*, the white space indicator parameter *name* is invalid. It must be a "0" or "1".

Explanation: You entered an invalid number in the white space field in the Clean transformer-numeric parameters window.

User Response: Ensure that the SQL string contains either a "0" or a "1" for this parameter. The default is "0" when nothing is entered.

DWC14311E In rule definition *rule-name*, the respect case parameter *name* is invalid. It must be a "0" or "1".

Explanation: You entered an invalid number in the respect case field in the Clean transformer-numeric parameters window.

User Response: Ensure that the SQL string contains either a "0" or "1" for this parameter. The default is "1" when nothing is entered.

DWC14312E In rule definition *rule-name*, the compress white space parameter *name* is invalid. It must be a "0" or "1".

Explanation: You entered an invalid number in the compress white space field in the Clean transformer-numeric parameters window.

User Response: Ensure that the SQL string contains either a "0" or "1" for this parameter. The default is "0" when nothing is entered.

DWC14313E In rule definition *rule-name*, the numeric tolerance must be a positive integer or decimal number.

Explanation: You entered an invalid number in the numeric tolerance field in the Clean transformer-numeric parameters window.

User Response: Verify that the value entered for this parameter is base 10 numeric and is greater than or equal to zero.

DWC14314N The error table *table-name* must follow the structure of the source table.

Explanation: The target error table does not have a structure similar to the transformer source table. The first column of the target error table should be an integer for the run id, and the rest of the table should have the same structure as the transformer source table.

User Response: Drop the target error table in the target database and let the transformer recreate the table.

DWC14315N Output data column not specified for rule definition *rule-number*.

Explanation: The output data column has not been specified for the particular rule definition.

User Response: Check the transformer column mapping and make sure that every rule has a mapped output data column.

DWC14316N The data type for rule *rule-number* cannot be cleaned.

Explanation: The data type for the rule cannot be cleaned by the clean transformer.

User Response: Remove the rule from the clean step because the data type cannot be cleaned by the clean transformer.

DWC14350E Output table *table-name* is the same as the input table.

Explanation: You ran a Calculate Statistics or Correlation transformer using the same table for input and output. For these transformers, the input table must not be the same as the output table. The transformer reads data from the input table and writes results to the output table.

User Response: Rerun the transformer, providing the name of the table which contains the input data and the name of a different table where the results can be written.

DWC14351E Unexpected end of *parameter-name* parameter reached.

Explanation: Parsing of a parameter in the transformer stored procedure did not complete. The end of the parameter was detected sooner than expected. This error might occur for a number of reasons. For example:

- A left parenthesis does not have a matching right parenthesis or an extraneous comma is included in the parameter string
- A statistic identifier is missing

User Response: Review the correct syntax for the parameter in error, correct the parameter, and rerun the transformer.

DWC14352E Input column *column-name* has an invalid data type *data-type* for statistic *statistic-name*.

Explanation: Statistic calculations can only be performed on specific types of data. A column with an unsupported data type was specified as an input column for a statistic calculation.

User Response: Review the valid input data type(s) for the statistic in error, specify the name of an input column that has a valid data type, and retry the calculation.

DWC14353E Output column *column-name* has an invalid data type *data-type* for statistic *statistic-name* and input column *column-name*.

Explanation: The data type of the output column specified for a statistic calculation is invalid. Output from statistic calculations can only be of specific data types. Valid data types depend on the statistic. For some statistics, valid data types depend also on the data type of the input column. The error occurred because a column with an invalid data type was specified as an output column for a statistic calculation.

User Response: Review the valid output data type(s) for the statistic in error, specify the name of an output column that has a valid data type, and retry the calculation.

DWC14354E Output column *column-name* is specified for statistic *name* and for statistic *name*.

Explanation: You specified the same output column for two statistic calculations. An output column can be used for only one statistic calculation.

User Response: Rerun the transformer, providing the name of a column which can be used for the results of one statistic calculation and the name of a different column which can be used for the results of the other statistic calculation.

DWC14355E **Statistic identifier *number* is not supported.**

Explanation: In Data Warehouse Center steps for the Calculate Statistics and Correlation Transformers, only the names of each statistic can be specified. Each statistic that can be calculated by the Calculate Statistics or Correlation Transformers is assigned a unique numeric identifier.

User Response: Contact IBM Customer Support.

DWC14356E **Grouping column *column-name* is the same as an input column.**

Explanation: You specified a column in the grouping columns field and as an input data column in the statistics definition field of the Calculate Statistics or Correlation transformer.

User Response: Provide the name of a column that contains the input data and the name of a different column or columns that can be used to group the results of the statistic calculation. Then, run the transformer again.

DWC14357E **Grouping column *column-name* is specified twice.**

Explanation: Remove the duplicate column name from the grouping column parameter and run the transformer again.

User Response: Remove the duplicate column name from the grouping column parameter and run the transformer again.

DWC14358E **Grouping column *column-name* is the same as an output column.**

Explanation: A column was specified as a grouping column in the grouping columns parameter and as an output data column in the statistics definition parameter of a Calculate Statistics or Correlation transformer.

User Response: You specified the same column in the grouping columns field that you specified as an output data column statistics definition

field of a Calculate Statistics or Correlation transformer.

DWC14400E **One or more correlation calculations resulted in a "null" value.**

Explanation: The result of a correlation statistic calculation could not be represented as a number, so the result is represented in the output table as null. The null result may have been caused by one of the following:

- You provided only one input value for a correlation statistic calculation. For example, the input table may contain only one row of data or one or more grouping columns may have been specified and one or more of the groups contains only one row of data.
- The p-value could not be calculated because the maximum number of iterations were reached during a continued fraction computation.
- The result of a correlation statistic calculation is negative or positive infinity.

User Response: Take one of the following actions:

- Ensure that the input table has at least two rows of data. After making your changes, run the Correlation transformer again.
- If one or more grouping columns are specified in the Correlation transformer parameter list, you might be able to avoid null results by ensuring that there are at least two rows of input data for each group.

DWC14401E **Output column *column-name* has data type *type*, but the data type must be *type* for this column.**

Explanation: The Correlation transformer writes the names of the two columns that contain input data to the first two columns in the output table. One of the first two columns in the output table has an invalid data type.

User Response: Correct the data type of the column in the output table and run the transformer again.

DWC14402E Output column *column-name* has data type *type* and output column *column-name* has data type *type*, but the data type must be *type* for each of these columns.

Explanation: The Correlation transformer writes the names of the two columns which contain input data to the first two columns in the output table. Both of the first two columns in the output table have an invalid data type.

User Response: Correct the data type for each of the two columns in the output table and run the transformer again.

DWC14500E Too many rows (*count*) to Invert. Maximum amount is *count*.

Explanation: You tried to invert a table that has more rows than the maximum number of columns that your database will support.

User Response: Verify that the source table has a number of rows equal to or less than the maximum number of table columns supported in the version of DB2 running this transformer.

DWC14600E Moving Average Type is invalid.

Explanation: The type of Moving Average requested is invalid. Three function types are supported:

- Standard moving average
- Exponentially smoothed moving average
- Rolling sum

User Response: Change the Moving Average type to one of the three supported types.

DWC14601E Moving Average Period must be greater than 1.

Explanation: The period specified for calculating the Moving Average or Rolling Sum is invalid. The period must be an integer greater than 1.

User Response: Change the Moving Average period to an integer greater than 1.

DWC14602E Moving Average Data column same as Order By column.

Explanation: One of the Moving Average data columns selected is the same as one of the Order By columns.

User Response: Select data columns for Moving Average that are different from the Order By columns.

DWC14650E Carry over columns must be specified in pairs.

Explanation: Both source and target column names are required for the carry-over parameter.

User Response: Verify that the source column name exists and the specified target column name is valid within the constraints of the Data Warehouse Center.

DWC14651E Invalid number of pivot columns.

Explanation: The pivot groups contain different numbers of columns. Each pivot group must contain the same number of columns.

User Response: Verify that the number of column names match the number of columns in each group that is pivoted, unless only one column name is specified.

DWC14652E Invalid number of aggregation columns.

Explanation: You did not specify any columns in the pivot column field.

User Response: Specify one or more columns in the pivot column field. Ensure that the number of column names matches the number of columns in each group that is provided.

DWC14653E Number of columns in aggregation group does not match pivot column count.

Explanation: The number of data columns that you specified in the pivot columns field does not equal the total number of columns in your pivot groups.

User Response: Verify that the pivot columns parameter (as seen in the SQL) follows the following rule: Each group is delimited by a semi-colon ";". The first parameter in a group is the output column name. The second through n parameters in a group are the names of the input table columns. In the special case where there is only one name in one group, that name is the output column name of the aggregated input columns where the number and names of the input columns are not known ahead of time.

DWC14654E Carry over columns not found in table *table-name*.

Explanation: The columns you selected in the carry-over columns pair do not exist.

User Response: Verify that there are zero or more carry-over column pairs and that the named columns exist in both the source and target tables.

DWC14700E Independent Data column equals Dependent Data column.

Explanation: You selected the same column for the Criterion column as you selected for the Predictor column in a Regression transform. The column selected as the Criterion column cannot be the same as the column selected for the predictor column.

User Response: Remove the Criterion column from the Predictor selection and run the regression transform again.

DWC14701E Duplicate Independent Data columns.

Explanation: A column has been selected as a Predictor column twice.

User Response: Remove one selection from the Predictor column field. Then run the regression transform again.

DWC14702E Count from result set and previous row count not equal.

Explanation: During a query, an invalid number of rows was returned. The number of rows expected was determined from an earlier query.

User Response: Run the transformer again. Ensure that the input table is not being concurrently updated by another process.

DWC14750E Subtotal Grouping column same as Date column.

Explanation: One of the Subtotal Grouping columns selected is the same as the Date column.

User Response: Change the Grouping columns so that the Date column is not included.

DWC14751E Subtotal Data column same as Date column.

Explanation: A Subtotal Data column is the same as the Date column.

User Response: Change the Data columns so that the Date column is not included.

DWC14752E Subtotal Data column same as Grouping column.

Explanation: A Subtotal Data column is the same as a Grouping column.

User Response: Change the Data columns so that the Grouping columns are not included.

DWC14753E Subtotal Period is invalid.

Explanation: The Subtotal Period requested is invalid. Five Period types are supported:

- Week
- Semi-Month
- Month
- Quarter
- Year

User Response: Change the Subtotal Period type to one of the five supported types.

DWC15000N Unable to open VWS_LOGGING environment.

Explanation: Set the VWS_LOGGING environment variable during installation.

User Response: The VWS_LOGGING environment variable is not set .

DWC15001N Cannot create temporary trace file.

Explanation: Might not have sufficient disk space.

User Response: Verify that the VWS_LOGGING directory has sufficient disk space for the trace file. If the disk space is not sufficient, remove unused files and restart the program.

DWC15002N Unable to open trace file *filename*.

Explanation: Disk space might be insufficient or trace file might not exist.

User Response: Check that the file exists by trying to open it. Check that the VWS_LOGGING directory has sufficient disk space. If the disk space is insufficient, remove unused files and restart the program.

DWC15003N Enter a password type for the seventh parameter.

Explanation: An error occurred because the value for the password type was incorrect. Correct password types are: EnterPassword, PasswordNotRequired, GetPassword.

User Response: Enter the correct value for the password type and restart the program.

DWC15004N The get password program failed.

Explanation: An error was returned by the get password program while retrieving the password. An error can occur because the get password program returned a nonzero return code, the file containing the password did not exist or could not be opened, or the file could not be deleted after the password was retrieved.

User Response: Check that the get password

program works properly and that there is sufficient disk space for the password file.

DWC15005N The "Highest JES Return Code to Consider Success" value must be numeric.

Explanation: An error was returned because the value of the parameter "Highest JES return code to Consider Success" was not valid.

User Response: Correct the User Defined Function parameter value and restart the program.

DWC15007N Unable to create temporary file for ftp log.

Explanation: The operating system was unable to create a unique file name. There might be too many temporary file names in the VWS_LOGGING directory.

User Response: Check that there is sufficient disk space in the VWS_LOGGING directory. If the disk space is not sufficient, remove unnecessary files and restart the program.

DWC15008N Unable to create temporary file for ftp command.

Explanation: Operating system unable to create a unique file name. There might be too many temporary file names in the VWS_LOGGING directory.

User Response: Check that there is sufficient disk space in the VWS_LOGGING directory. If the disk space is not sufficient, remove unnecessary files and restart the program.

DWC15009N The User Defined Program cannot open file *filename* for ftp call.

Explanation: The User Defined Program cannot open the file in update mode.

User Response: Check that the program has write access to the file *filename* and restart the program.

DWC15010N Cannot execute a ftp connection command.

Explanation: The User Defined Program tried to connect to the remote host via ftp. The ftp program returned a non-zero return code. Check the ftp trace file or the ftp log file in the VWS_LOGGING directory.

User Response: Check that the system has a working network connection. If needed, setup the network connection and restart the program.

DWC15011N Cannot open the log file *filename*.

Explanation: The User Defined Program failed while trying to open the ftp log file to determine if the ftp was successful.

User Response: Check that the log file exists by trying to open it. Check that the VWS_LOGGING directory has sufficient disk space. If the disk space is insufficient, remove unused files and restart the program. If the problem persists, contact your IBM service representative.

DWC15012N Cannot delete error file *filename* on OS/390.

Explanation: The User Defined Program failed while trying to delete the ETI error file in the VWS_LOGGING directory on the OS/390 host. This file must be deleted before running the ETI program.

User Response: Verify that the error file is not in use. Delete the file if it exists and restart the program.

DWC15013N Cannot create temporary file for jes log.

Explanation: The operating system was unable to create a unique file name. There might be too many temporary file names in the VWS_LOGGING directory.

User Response: Check that there is sufficient disk space in the VWS_LOGGING directory. If the disk space is not sufficient, remove unnecessary files and restart the program.

DWC15014N The JCL file does not exist on the MVS system specified.

Explanation: The JCL file that was to be submitted for execution could not be found on the MVS system specified. The file may also not be in a proper MVS format. The file name should be fully qualified and enclosed in double quotes.

User Response: Verify that the JCL file that was specified exists on the MVS system. The file name should be fully qualified and enclosed in double quotes. If the file name is specified correctly, collect all details about this error and contact your IBM service representative. Include all trace and log files in the logging directory.

DWC15015N The JCL file is empty.

Explanation: The JCL file that was specified for job submission contained no information.

User Response: Verify that the correct JCL file name was specified, or create the necessary job control statements in the file and resubmit the step for execution. If the JCL file contains job information, collect all details about this error and contact your IBM service representative. Include all trace and log files in the logging directory.

DWC15016N Error while attempting to FTP the JCL file.

Explanation: Verify that the Data Warehouse Center agent that is executing the step has authority to FTP to the target MVS system. If the agent does have the authority to FTP files, collect all details about this error and contact your IBM service representative. Include all trace and log files in the logging directory.

User Response: An error occurred while trying to FTP the JCL file from the target MVS system. Check that FTP is a valid command on the agent system. Run the user-defined program again.

DWC15017N The JCL file cannot be created in the local directory.

Explanation: An error occurred while trying to write the JCL file to the local directory while processing the file at the Data Warehouse Agent site.

User Response: Verify that the file system where the agent is writing the temporary file and the log files is not full. This directory can be identified by looking at the system environment variable `VWS_LOGGING` on the system where the agent is executing. If the file system is not full, collect all details about this error and contact your IBM service representative. Include all trace and log files in the logging directory.

DWC15018N An internal error occurred while checking JOBID in the JCL file:filename .

Explanation: The user-defined program failed to open the JCL file *filenameS* to check the JOBID.

User Response: Check that the file exists in the `VWS_LOGGING` directory and that it can be opened. Collect all details about this error and contact your IBM service representative. Include all trace and log files in the logging directory.

DWC15019N The job name is not the same as the remote ID.

Explanation: The job name specified in the JCL is not the same as the userid (plus one character) associated with the submitted job. These userids must match.

User Response: Change the job name in the JCL so that it matches the remote ID being used to submit the JCL for execution, or change the remote ID being used to submit the JCL for execution to that of the userid specified on the JCL job name. If the job name matches that of the Remote ID being used to submit the job (plus one character), collect all details about this error and contact your IBM service representative. Include all trace and log files in the logging directory.

DWC15020N Unable to obtain unique error file name.

Explanation: The request to the operating system to generate a unique file name failed. This error may be caused by too many temporary file names in the `VWS_LOGGING` directory.

User Response: Remove unnecessary files from the `VWS_LOGGING` directory and try the action again by resubmitting the step for execution. If the failure still occurs, collect all the details of the error and contact your IBM service representative. Include the trace and log files in the logging directory.

DWC15021N Local error file could not be created.

Explanation: The Data Warehouse agent was not able create a temporary file to hold the contents of the returned errors.

User Response: Verify that the agent has write access to the temporary directory indicated by the `VWS_LOGGING` directory and that the file system where the directory exists is not full. If the file system is not full, collect all details about this error and contact your IBM service representative. Include all trace and log files in the logging directory.

DWC15022N Unable to open local error file filename.

Explanation: The Data Warehouse Center agent was not able to open temporary file *filename* containing the errors that occurred during step execution.

User Response: Check that the agent has read/write access to the directory indicated by the `VWS_LOGGING` environment variable. If the agent does have access to the directory, contact your IBM service representative. Include all trace and log files from the logging directory.

DWC15023N Local error file *filename* is empty.

Explanation: The Data Warehouse Center agent did not find any information on errors from the step execution in temporary file *filename*.

User Response: Check that the file system where the temporary file was written, as specified in the VWS_LOGGING environment variable, is not full. If the file system is not full, collect all details about this error and contact your IBM service representative. Include all trace and log files in the logging directory.

DWC15024N Unable to remove local error file.

Explanation: The agent was not able to remove the temporary file containing the errors from the step execution.

User Response: An internal error occurred. Collect all details about this error and contact your IBM service representative. Include all trace and log files in the logging directory.

DWC15025N Unable to FTP error file.

Explanation: The Data Warehouse agent was not able to retrieve the error file that was created as a result of the step execution.

User Response: Verify that the remote ID used to run the step has access to the error file. If the file does exist and the agent has access to that file, collect all details about this error and contact your IBM service representative. Include all trace and log files in the logging directory.

DWC15026N Error executing JCL. Check JES output file: *filename* .

Explanation: Errors occurred while executing the JCL.

User Response: Review the JES output for this job; *filename*. Make the necessary corrections to resolve the errors.

DWC15027N ETI errors occurred during processing. Errors have been written to the ETI error file *filename*.

Explanation: ETI returned errors while processing the job request.

User Response: Review the errors in error file *filename* and make the necessary corrections.

DWC15028W ETI warnings occurred.

Explanation: ETI programs completed with warnings.

User Response: Refer to the log file for detailed information.

DWC15029N ETI program failed.

Explanation: The ETI program has failed.

User Response: ETI program failed. Please refer to the log file for detailed information.

DWC15030N ETI program did not complete.

Explanation: ETI program started but did not complete. The step has failed.

User Response: ETI program did not complete. Refer to the log file for detailed information.

DWC15031W ETI program completed. Unable to determine success/failure.

Explanation: ETI program completed. The user-defined program could not find the EXTRACT\$ERROR or ET1007S in the ETI error file to determine success or failure. Step completion status = warning.

User Response: ETI program completed. The user-defined program was unable to determine success or failure of the ETI program. Refer to the log file for more information.

DWC15032N Error calling API. Return code=
ReturnCode.

Explanation: The call to the Essbase API was not successful.

User Response: Refer to the Essbase documentation for the return code from the API.

DWC15033N Incorrect syntax for member
member name: record name.

Explanation: The syntax for the member is not correct.

User Response: Correct the syntax for the member.

DWC15034N Member *member: record* not accessible.

Explanation: The member was not accessible.

User Response: Check that the member exists in the Essbase database.

DWC15035N Member *member: record* not found in database.

Explanation: The member was not found in the Essbase database.

User Response: Check that the Essbase database contains the member.

DWC15036N Unknown error for member
member: record with error type
errortype.

Explanation: The member had unknown errors.

User Response: Please refer to the Essbase documentation.

DWC15037N Wrong dimension for member
member: record.

Explanation: The member *member* had a bad dimension.

User Response: Please refer to the Essbase documentation for more information.

DWC15038N Wrong generation for member
member: record.

Explanation: The member *member* had a bad generation.

User Response: Please refer to the Essbase documentation for more information.

DWC15039N Parameter *parameter* must be 0 or 1.

Explanation: The parameter *parameter* must be either 0 or 1.

User Response: Collect all trace and log files and contact your IBM service representative.

DWC15040N Cannot open output file
outputfilename.

Explanation: The Data Warehouse agent was not able to open the output file that would be able to contain the exported data.

User Response: Verify that the agent has read/write access to the directory. If the agent does have access to that directory, collect all trace and log files and contact your IBM service representative.

DWC15041N Cannot create netrc file
netrcfilename

Explanation: The Data Warehouse agent was not able to create the netrc file in the VWS_LOGGING directory.

User Response: Verify that the agent has read/write access to the directory pointed to by the VWS_LOGGING environment variable. If the agent does have access to that directory, collect all trace and log files and contact your IBM service representative.

DWC15042N Cannot create FTP command file
commandfilename.

Explanation: The user-defined program creates a temporary FTP command file which begins with the string 'UDPFTPCMD'. This file contains the FTP commands without the user id and

password in the original command file. It is normally created in the directory that the VWS_LOGGING environment variable points to, and is deleted at the end of the process. The program could not create the temporary FTP command file.

User Response: Check to ensure that

- the VWS_LOGGING environment variable is set, and that the user has permission to write to that directory
- the userid has access to the directory
- the directory has sufficient space

DWC15043N Error issuing FTP command

Explanation: The user-defined program issued an FTP command, and FTP returned an error.

User Response: The FTP log file displays the FTP command and the response from FTP. You can find the FTP log file in the directory that the VWS_LOGGING environment variable points to. The file name begins with "ftp" and ends with ".log".

DWC15044N Cannot open FTP command file *ftpcommandfile.*

Explanation: The user-defined program creates a temporary FTP command file which begins with the string 'UDPFPCMD'. This file contains the FTP commands without the user id and password in the original command file. It is normally created in the directory that the VWS_LOGGING environment variable points to, and is deleted at the end of the process. The program created the temporary FTP command file but could not open it.

User Response: Check that the user id that is executing the FTP command has access to the FTP command file.

DWC15045N Userid/password not found in input file *inputfile.*

Explanation: The input FTP command file did not contain the user id and password as the first values in the file.

User Response: Check that the user id and password are in the input FTP command file and retry.

DWC15046N Cannot remove local file *localfile.*

Explanation: The local spool file is the file where the warehouse places the job output. The warehouse deletes the local spool file before executing the job. The warehouse tried to remove the local spool file *localfile* and failed.

User Response: If the file *localfile* exists, delete it and then retry.

DWC15047N Cannot open message file *messagefile.*

Explanation: The message file, also known as the FTP log file, is in the directory that the VWS_LOGGING environment variable points to. The name of the file begins with "ftmp" and ends with .log. Opening the message file failed.

User Response: Check that the user id has permission to open files in the VWS_LOGGING directory, that the file exists, and that the user has read access to the file.

DWC15048N FTP command must be GET or PUT.

Explanation: The FTP command passed as a parameter must be GET or PUT.

User Response: Check that the FTP command is either GET or PUT.

DWC15049N Invalid FTP user id/password.

Explanation: The user id and password entered were rejected by the remote site.

User Response: Correct the user id and/or password and retry.

DWC15050N FTP connection failed.

Explanation: The program could not establish an FTP connection.

User Response: Verify that the hostname, user

id, and password provided to FTP are correct. If the hostname, user id, and password are correct, do the following:

- Verify that ftp is the command used at your site to initiate an FTP session.
- Confirm that the FTP daemon process is running on the host.
- Issue the ping command from the agent site to the host to verify that a TCP/IP connection exists.

DWC15051N FTP transfer type must be 0 (binary) or 1 (ascii).

Explanation: The value passed to the program as the FTP transfer type must be 0 or 1.

User Response: Check that the value passed to the program as the FTP transfer type is either 0 or 1.

DWC15052N Error calling API, return code = *returncode*.

Explanation: The call to the DB2 API was not successful.

User Response: Please refer to the DB2 documentation for the return code from the API.

DWC15053N Parameters are missing; parameters must include server, application, database, userid, and password.

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- server - Essbase server name
- application - Essbase application name
- database - Essbase database name
- userid - userid to logon to Essbase server
- password - password to logon to Essbase server

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

DWC15054N Parameters are missing; parameters must include server, application, database, userid, password, calcFile, 0/1.

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- server - Essbase server name
- application - Essbase application name
- database - Essbase database name
- userid - userid to logon to Essbase server
- password - password to logon to Essbase server
- calcFile - calc file that the program needs
- 0/1 - 0=calc file on server, 1=calc file on local

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

DWC15055N Parameters are missing; parameters must include sourceFile, server, application, database, userid, password.

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- sourceFile - source file that the program needs
- server - Essbase server name
- application - Essbase application name
- database - Essbase database name
- userid - userid to logon to Essbase server
- password - password to logon to Essbase server

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

DWC15056N Parameters are missing; parameters must include server, application, database, userid, password, sourceFile, 0/1, loadRuleFile, 0/1, 0/1.

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- server - Essbase server name
- application - Essbase application name
- database - Essbase database name
- userid - userid to logon to Essbase server
- password - password to logon to Essbase server
- sourceFile - the source file that this program needs
- 0/1 - 0=source file on server, 1=source file on local
- loadRuleFile - the rule file that this program needs
- 0/1 - 0=rule file on server, 1=rule file on local
- 0/1 - 0=do not abort on errors, 1=abort on errors

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

DWC15057N Parameters are missing; parameters must include: server, application, database, userid, password, DB2Userid, DB2Password, loadRuleFile, 0/1, 0/1.

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- server - Essbase server name
- application - Essbase application name
- database - Essbase database name
- userid - userid to logon to Essbase server

- password - password to logon to Essbase server
- DB2Userid - DB2 userid for the source table
- DB2Password - DB2 password for the source table
- loadRuleFile - the rule file that this program needs
- 0/1 - 0=rule file on server, 1=rule file on local
- 0/1 - 0=do not abort on errors, 1=abort on errors

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

DWC15058N Parameters are missing; parameters must include server, application, database, userid, password, sourceFile, 0/1, 0/1.

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- server - Essbase server name
- application - Essbase application name
- database - Essbase database name
- userid - userid to logon to Essbase server
- password - password to logon to Essbase server
- sourceFile - the source file that this program needs
- 0/1 - 0=source file on server, 1=source file on local
- 0/1 - 0=do not abort on errors, 1=abort on errors

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

**DWC15059N Parameters are missing;
parameters must include server,
application, database, userid,
password, sourceFile, 0/1,
loadRuleFile, 0/1.**

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- server - Essbase server name
- application - Essbase application name
- database - Essbase database name
- userid - userid to logon to Essbase server
- password - password to logon to Essbase server
- sourceFile - the source file that this program needs
- 0/1 - 0=source file on server, 1=source file on local
- loadRuleFile - the rule file that this program needs
- 0/1 - 0=rule file on server, 1=rule file on local

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

**DWC15060N Parameters are missing;
parameters must include server,
application, database, userid,
password, Db2Userid,
DB2Password, loadRuleFile, 0/1.**

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- server - Essbase server name
- application - Essbase application name
- database - Essbase database name
- userid - userid to logon to Essbase server
- password - password to logon to Essbase server
- DB2Userid - DB2 userid for the source table

- DB2Password - DB2 password for the source table
- loadRuleFile - the rule file that this program needs
- 0/1 - 0=rule file on server, 1=rule file on local

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

**DWC15061N Parameters are missing;
parameters must include
sourceDB, userid, password,
targetFileName, selectStatement,
[fileTypeModifier].**

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- sourceDB - source database name
- userid - userid
- password - password
- targetFileName - output file that will contain the exported data
- selectStatement - the select statement which should be enclosed in double quotes
- fileTypeModifier - the file type modifier string(optional). For example "coldel," indicates that column must be separated by comma.

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

**DWC15062N Parameters are missing;
parameters must include
sourceConnectString,
targetFileName, selectStatement,
[colDelimiter].**

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- sourceConnectString - source connect string.
Format:
DSN=database;UID=userid;PWD=password
- targetFileName - output file that will contain the exported data
- selectStatement - the select statement which should be enclosed in double quotes
- colDelimiter - the column separation character (optional)

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

DWC15063N Parameters are missing; parameters must include remoteSite and FTPCommandFile.

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- remoteSite - The remote host to FTP to
- FTPCommandFile - the full path and file name of the FTP command file

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

DWC15064N Parameters are missing; parameters must include MVSHostName, MVSuserid, MVSPassword, JCLFile, localFile.

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- MVSHostName - the host name on the MVS system
- MVSuserid - userid on the MVS system
- MVSuserid - userid on the MVS system
- JCLFile - the jcl to submit on the MVS system
- localFile - the full path and file name for the output file

User Response: Collect all trace and log files in

the logging directory and contact your IBM service representative.

DWC15065N Parameters are missing; parameters must include remoteSite, GETorPUT, remoteUserId, remotePassword, remoteFile, localFile.

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- remoteSite - remote host name
- GETorPUT - the FTP get or put command
- remoteUserId - userid on the remote system
- remotePassword - password on the remote system
- remoteFile - the full path and file name for the remote file
- localFile - the full path and file name for the local file

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

DWC15066N Parameters are missing; parameters must include sourceFile, targetDB, targetUserId, targetPassword, targetTable, backupFileName, [fileTypeModifier].

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- sourceFile - the source file
- targetDB - the target database to load the data to
- targetUserId - the userid on the target database
- targetPassword - the password on the target database
- targetTable - the table on the target database
- backupFileName - the full path and file name for the backup file for recovery purpose

- fileTypeModifier - the file type modifier string (optional). For example "coldel," indicates that column must be separated by comma.

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

DWC15067N Parameters are missing; parameters must include sourceFile, targetDB, targetUserid, targetPassword, targetTable, [fileTypeModifier].

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- sourceFile - the source file
- targetDB - the target database to load the data to
- targetUserid - the userid on the target database
- targetPassword - the password on the target database
- targetTable - the table on the target database
- fileTypeModifier - the file type modifier string (optional). For example "coldel," indicates that column must be separated by comma.

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

DWC15068N Parameters are missing; parameters must include database, userid, password, table.

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- database - the database
- userid - the userid
- password - the password
- table - the table on the database

User Response: Collect all trace and log files in the logging directory and contact your IBM service representative.

DWC15069N The number of parameters is not valid.

Explanation: Parameters must be:

1. MVS Host Name
2. MVS User ID
3. JCL File Name on MVS (Full Name)
4. ETI Error File Name
5. ETI Message File Name
6. ETI Warning File Name
7. Password Type (EnterPassword or PasswordNotRequired)
8. Password

OR

1. MVS Host Name
2. MVS User ID
3. JCL File Name on MVS (Full Name)
4. ETI Error File Name
5. ETI Message File Name
6. ETI Warning File Name
7. Password Type (EnterPassword or PasswordNotRequired)
8. Password
9. ''
10. Highest JES Return Code to Consider Success (Optional)

User Response: Correct the parameters and restart the program.

DWC15070N The parameters are not valid.

Explanation: The parameters must include:

1. MVS Host Name
2. MVS User ID
3. JCL File Name on MVS (Full Name)
4. ETI Error File Name
5. ETI Message File Name
6. ETI Warning File Name
7. Password Type (GetPassword)
8. Password Program
9. Password Program parameters

10. Highest JES Return Code to Consider
Success (Optional)

User Response: Correct the parameters and restart the program.

DWC15071N The Copy File using FTP program could not find the "Transfer Complete" message.

Explanation: The Copy File using FTP program was unable to find the "Transfer Complete" message to determine if the transfer of the file was successful.

User Response: Check the log file for more information.

DWC15073N No batch file name supplied.

Explanation: HISEXNT executes a batch file that runs an OLAP Integration Server script file to build an OLAP cube from an Integration Server metaoutline. The batch file name must be passed in as a parameter, and was not supplied.

User Response: To invoke the program from the command line, use the command hisexnt "<filename>", where filename is the name of the batch file that executes the script. To invoke the program from the Data Warehouse Center, supply the file name as a parameter to the program.

DWC15074N Unable to run batch file.

Explanation: The name of a batch script file was passed to the program hisexnt, but hisexnt was unable to execute the script.

User Response: Determine the error in the script file by executing it from the command line. Correct the error and retry.

DWC15075I Successfully completed building the OLAP cube.

Explanation: The OLAP cube was successfully built.

User Response:

DWC15076W Building of the OLAP cube completed with warnings. Check the OLAPISVR.LOG file on the OLAP Integration Server for details.

Explanation: The OLAP cube was built, but OLAPICMD returned warnings.

User Response: Check the OLAPISVR.LOG file on the OLAP Integration Server server for details.

DWC15077N Building of the OLAP cube completed with errors. Check the OLAPISVR.LOG file on the OLAP Integration Server for details.

Explanation: The OLAPICMD command to build the cube returned errors.

User Response: Check the OLAPISVR.LOG file on the OLAP Integration Server for details.

DWC15078N Unable to build OLAP cube. Check the OLAPISVR.LOG file on the OLAP Integration Server for details.

Explanation: The OLAPICMD command to build the cube returned errors. The cube was not built.

User Response: Check the OLAPISVR.LOG file on the OLAP Integration Server for details.

DWC15079N Execution of the system command failed. The command was:
command.

Explanation: The program failed to issue a system() function.

User Response: Check the trace file in the VWS_LOGGING for more information.

DWC15080N The FTP command file path (pathname) format is invalid.

Explanation: The format for the path of the FTP command file is invalid.

User Response: Fix the path format. The correct format is: \n library/file.member.

DWC15081N Parameters are missing; parameters must include sourceFile, targetTable, backupFileName, [fileTypeModifier].

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- sourceFile - the source file.
- targetTable - the table on the target database.
- backupFileName - the full path and file name for the backup file for recovery purposes.
- fileTypeModifier - the file type modifier string (optional). For example "coldel," indicates that the column must be separated by a comma.

User Response: Collect all trace and log files in the VWS_LOGGING directory and contact your IBM service representative.

DWC15082N Parameters are missing; parameters must include sourceFile, targetTable, [fileTypeModifier].

Explanation: This message is received if some of the parameters are missing when the program/step is called. Explanation for the parameters:

- sourceFile - the source file.
- targetTable - the table on the target database.
- fileTypeModifier - the file type modifier string (optional). For example "coldel," indicates that the column must be separated by a comma.

User Response: Collect all trace and log files in the VWS_LOGGING directory and contact your IBM service representative.

DWC15101N The number of parameters are not valid.

Explanation: Parameters must be:

1. Remote Host Name

2. Remote User ID
3. Remote Shell Script Name
4. Remote Error File
5. Remote Warning File
6. Remote Log File
7. Remote OS Type (UNIX or WinNT)
8. Password Type (EnterPassword or GetPassword)
9. Password Value (case EnterPassword)

OR

1. Remote Host Name
2. Remote User ID
3. Remote Shell Script Name
4. Remote Error File
5. Remote Warning File
6. Remote Log File
7. Remote OS Type (UNIX or WinNT)
8. Password Program (case GetPassword)
9. Password Program Parameters

User Response: Fix the parameters and restart the program.

DWC15102N The number of parameters are not valid.

Explanation: Parameters must be:

1. Remote Host Name
2. Remote User ID
3. Remote Shell Script Name
4. Remote Error File
5. Warning File
6. Remote Log File
7. Remote OS Type (UNIX or WinNT)
8. Password Type (GetPassword)
9. Password Program (case GetPassword)
10. Password Program Parameters

User Response: Correct the parameters and restart the program.

DWC15103N The eighth parameter must indicate a password type.

Explanation: The value for the password type is not correct. The password types are : EnterPassword, PasswordNotRequired, GetPassword.

User Response: Enter the correct value for the password type and run the program again.

DWC15104N Could not generate local warning file *filename*.

Explanation: An error occurred because the VWS_LOGGING variable was not set.

User Response: Check that VWS_LOGGING environment variable is set.

DWC15105N Failed to create local log file *filename*.

Explanation: The VWS_LOGGING environment variable is not set.

User Response: Set the environment variable VWS_LOGGING.

DWC15106N Cannot setup the FTP command file.

Explanation: An error occurred because the program could not create or open the FTP command file.

User Response: Check that the directory allows files to be created and that the disk space is sufficient. If the disk space is not sufficient, remove unnecessary files and restart the program.

DWC15107N Cannot create a temporary file to copy the error file. Return code=*ReturnCode*.

Explanation: Operating system failed to create a unique file name. This error might be caused by too many temporary file names in the directory.

User Response: Check that there is sufficient

disk space in the directory. If the disk space is not sufficient, remove unnecessary files and restart the program.

DWC15108I ETI program ran successfully.

Explanation:

User Response:

DWC15400N Parameter count is incorrect. Check log file *log-file* for more information.

Explanation: The OLAP Publish to Information Control Center program was invoked without all required parameters.

User Response: Check the log file for a description of the parameters that were used to invoke the OLAP Publish to Information Control Center program, and a description of the required parameters. Provide all required parameters from the Data Warehouse Center publish dialog or the command line.

DWC15401N Exception occurred while parsing input parameters: *exception-string*. Check log file *log-file* for more information.

Explanation: The OLAP Publish to Information Control Center program was invoked with incorrect parameters.

User Response: Check the log file for a description of the parameters that were used to invoke the OLAP Publish to Information Control Center program, and a description of the required parameters. Modify the invocation parameters from the Data Warehouse Center publish dialog or the command line to correct the error.

DWC15402N Unknown exception occurred while parsing input parameters. Check log file *log-file* for more information.

Explanation: The OLAP Publish to Information Control Center program was invoked with incorrect parameters.

User Response: Check the log file for a description of the parameters that were used to invoke the OLAP Publish to Information Control Center program, and a description of the required parameters. Modify the invocation parameters from the Data Warehouse Center publish dialog or the command line to correct the error.

DWC15403N An information catalog administrator is currently logged on. Check log file *log-file* for more information.

Explanation: The OLAP Publish to Information Control Center program was unable to create or modify object definitions in Information Control Center because an administrator is currently using the system.

User Response: Restart the OLAP Publish action after all Information Control Center administrators have logged off the Information Control Center system.

DWC15404N Error occurred while opening tag file *tag-file*. Check log file *log-file* for more information.

Explanation: OLAP Publish to Information Control Center program creates a tag file of object definitions to import into Information Control Center. The program was unable to create or open the tag file.

User Response: Check that the OLAP Publish to Information Control Center program has authorization to create or modify the tag file shown in the message. Check the log file for additional information.

DWC15405N Unexpected error *error-code* was received from Essbase API *API-function*. Check log file *log-file* for more information.

Explanation: An unexpected error condition occurred while the OLAP Publish to Information Control Center program was using the Essbase API to obtain information about the OLAP outline to publish to Information Control Center.

User Response: Check the log file for error information. Check the OLAP Server and OLAP application logs for additional error information. Correct the error and restart the action.

DWC15406N Error *error-code* occurred while activating Essbase application and database. Check log file *log-file* for more information.

Explanation: An unexpected error condition occurred while the OLAP Publish to Information Control Center program was initializing the Essbase API environment. The OLAP Publish to Information Control Center program uses the Essbase API to obtain information about the OLAP outlines to publish to Information Control Center.

User Response: Check the log file for error information. Check the OLAP Server and OLAP application logs for additional error information. Correct the error and restart the action.

DWC15407N Unexpected error code *error-code* was received while connecting to OLAP outline *outline-name*. Check log file *log-file* for more information.

Explanation: An unexpected error condition occurred while the OLAP Publish to Information Control Center program was using the Essbase API to connect to the OLAP outline. The OLAP Publish to Information Control Center program must connect to the OLAP outline in order to use the Essbase API to obtain information to publish to Information Control Center.

User Response: Check the log file for error

information. Check the OLAP Server and OLAP application logs for additional error information. Correct the error and restart the action.

DWC15408N Unexpected error occurred while opening file *file-name* of OLAP outlines to publish . Check log file *log-file* for more information.

Explanation: The Publish OLAP to Information Control Center program is invoked with a parameter that identifies a control file of OLAP outlines to publish. The program was unable to open this control file to obtain the names of the outlines to publish.

User Response: Check the log file for error information. Check that the Publish OLAP to Information Control Center program has authorization to open and read the control file.

DWC15409N Unexpected error occurred while importing tag file *tag-file* into Information Control Center. Check VWP log file *dwc-log* and Information Control Center log file *icc-log* for more information.

Explanation: The Publish OLAP to Information Control Center program generates a tag file of object definitions to import into Information Control Center. An unexpected error occurred importing this tag file into Information Control Center.

User Response: Check the log files for error information. Correct the error and restart the action.

DWC15410I OLAP definitions were successfully imported into Information Control Center. Check log file *dwc-log* and Information Control Center log file *icc-log* for more information.

Explanation: The Publish OLAP to Information Control Center program generates a tag file of object definitions to import into Information Control Center. The tag file was successfully imported into Information Control Center.

User Response: The OLAP outlines were successfully imported into Information Control Center. Check the Information Control Center and Data Warehouse Center publish logs for more information about the information that was imported into Information Control Center.

DWC15411N Unable to set current directory as specified by VWS_LOGGING environment variable: *vws-logging*. System error code is *error-code*.

Explanation: The Publish OLAP to Information Control Center program creates files in a directory specified by the VWS_LOGGING environment variable. The Publish OLAP to Information Control Center program was unable to set the current directory to the value specified by system environment variable VWS_LOGGING.

User Response: Check that the VWS_LOGGING environment variable is defined at the system level to point to a directory for which the Publish OLAP to Information Control Center program has write access.

DWC15412I Information Catalog Import action of OLAP tag file was started successfully. Check log file *dwc-log* and Information Control Center log file *icc-log* for more information.

Explanation: The OLAP Publish to Information Control Center program started the Information Catalog Import action of a tag file containing OLAP definitions. Check the log files for information about the success or failure of the action.

User Response: Check the log files for information about the import action.

DWC15413N The Information Catalog Import action of the OLAP tag file was not started successfully. Check log file *dwc-log* and Information Control Center log file *icc-log* for information about why the action failed.

Explanation: The OLAP Publish to Information Control Center program encountered an error when it tried to start the Information Control Center Import action to import the generated tag file of OLAP definitions.

User Response: Check the log files for information about why the action failed. Check that the system PATH and CLASSPATH environment variables are set correctly to run the Information Control Center Import program.

DWC15414N Specified information catalog user ID *userid* or password *password* was not valid. Check log file *log-file* for more information.

Explanation: The Publish OLAP to Information Control Center program attempted to connect to the Information Control Center database with an invalid user ID or password. The Publish program must read or update entries in the EXCHANGE table in the Information Control Center database to manage the list of multidimensional database objects to update in the Information Control Center.

User Response: Specify a valid user ID and password for connecting to the Information Control Center database and start the action again.

DWC15415W No OLAP database objects were found in the Information Control Center EXCHANGE table in database *database* using schema *schema*. No OLAP objects have been updated in the Information Control Center. Check log file *log-file* for more information.

Explanation: The Publish OLAP to Information Control Center program reads rows from the

EXCHANGE table in the Information Control Center database to identify multidimensional database objects to update. No entries were found in the EXCHANGE table. No objects were updated in the Information Control Center.

User Response: Confirm that the correct database and schema names were specified. Use the Data Warehouse Center OLAP Publish to Information Control Center dialog to specify multidimensional database objects to publish.

DWC15416N Unknown Information Control Center database *database* or schema *schema* was specified. Check log file *log-file* for more information.

Explanation: The Publish OLAP to Information Control Center program attempted to connect to an unknown Information Control Center database. The Publish program must read or update entries in the EXCHANGE table in the Information Control Center database to manage the list of multidimensional database objects to update in the Information Control Center.

User Response: Specify valid Information Control Center database and schema names and start the action again.

DWC15417N Unknown error *error-code* was received while connecting to the Information Control Center database. Check log file *log-file* for more information.

Explanation: The Publish OLAP to Information Control Center program was unable to connect to the Information Control Center database. The Publish program must read or update entries in the EXCHANGE table in the Information Control Center database to manage the list of multidimensional database objects to update in the Information Control Center.

User Response: Use the IBM DB2 Universal Database on-line help or the Message Reference to find an explanation for the error code. Correct the problem that corresponds to the error code and try again.

DWC15418N Error code *error-code* was received while opening EXCHANGE table in database *database* using schema *schema*. Check log file *log-file* for more information.

Explanation: The Publish OLAP to Information Control Center program was unable to connect to the Information Control Center database. The Publish program must read or update entries in the EXCHANGE table in the Information Control Center database to manage the list of multidimensional database objects to update in the Information Control Center.

User Response: Use the IBM DB2 Universal Database on-line help or the Message Reference to find an explanation for the error code. Correct the problem that corresponds to the error code and try again.

DWC15419N Error code *error-code* was received while reading the EXCHANGE table in database *database* using schema *schema*. Check log file *log-file* for more information.

Explanation: The Publish program must read or update entries in the EXCHANGE table in the Information Control Center database to manage the list of multidimensional database objects to update in the Information Control Center. An error occurred while the program was reading from the EXCHANGE table.

User Response: Use the IBM DB2 Universal Database on-line help or the Message Reference to find an explanation for the error code. Correct the problem that corresponds to the error code and try again.

DWC15420N Error code *error-code* was received while updating the EXCHANGE table in database *database* using schema *schema*. Check log file *log-file* for more information.

Explanation: The Publish program must read or update entries in the EXCHANGE table in the Information Control Center database to manage the list of multidimensional database objects to

update in the Information Control Center. An error occurred while the program was reading from the EXCHANGE table.

User Response: Use the IBM DB2 Universal Database on-line help or the Message Reference to find an explanation for the error code. Correct the problem that corresponds to the error code and try again.

DWC15501W Could not trace because the log file could not be opened.

Explanation: Cannot open the log file for tracing the execution of this program.

User Response: Verify that the dwcsmp.log file can be opened in the DB2 samples directory in SQLLIB.

DWC15502N Cannot start database manager, *rc=returncode*, *sqlcode=sqlcode*.

Explanation: An error was returned by the database manager while attempting to start.

User Response: Check the code returned by the DB2 database manager.

DWC15503N Cannot create database *databasename*, *rc=returncode*.

Explanation: An error was returned while attempting to create the listed database.

User Response: Check the code returned by the DB2 database manager.

DWC15504W Database *databasename* not registered with ODBC.

Explanation: An attempt to automatically register the database with ODBC failed.

User Response: Register the database with ODBC.

DWC15505E Cannot connect to database *dbname*, *rc=returncode*.

Explanation: Cannot connect to the database or create tables in the database.

User Response: Check that the user ID and password are correct.

trace option.

DWC15506N Cannot import sample data into database *databasename,*
rc=returncode.

Explanation: Cannot import sample data using the Data Warehouse Center import function.

User Response: Check that the user ID and password are correct.

DWC15507N Cannot allocate a SQL handle for database *databasename,*
rc=returncode.

Explanation: A failure occurred while setting up the ODBC environment for the database.

User Response: Check the code returned from the DB2 database manager.

DWC15508N Cannot create sample table *tablename in database databasename,*
rc=returncode.

Explanation: Cannot create table for sample data.

User Response: Check that the user ID and password are correct.

DWC15509N Cannot load data into table *tablename in database databasename,*
rc=returncode.

Explanation: Cannot load data into the table for sample data.

User Response: Check that the user ID and password are correct.

DWC15510N An internal error occurred while creating sample data. Check the trace file.

Explanation: An internal error occurred while creating the sample data. Check the trace file if it is active for further information.

User Response: Restart the function with the

Chapter 11. ICC Messages

This section contains a list of messages issued by the Information Catalog Center. The messages are listed in numeric sequence.

ICM0001N An SQL error occurred while connecting to the database.
Database = *databasename*, **Catalog =** *catalogname*.

Explanation: An SQL error occurred when the API attempted to open a connection to the database.

User Response: Consult the Message Reference for more information on this SQL error.

ICM0002N An SQL error occurred while registering application
applicationname.

Explanation: An SQL error occurred while the Information Catalog Manager API attempted to register the specified application.

User Response: Check the Message Reference for more information on this SQL error.

ICM0003N An SQL error occurred while searching for objects.

Explanation: An SQL error occurred while the Information Catalog Manager API was performing a search of the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information about this SQL error.

ICM0004N An SQL error occurred while accessing the Information Catalog Manager API settings for the application *applicationname*.

Explanation: An SQL error occurred while the Information Catalog Manager API attempted to retrieve the settings for the application.

User Response: Check the Message Reference for more information about this SQL error.

ICM0005N An SQL error occurred while retrieving the user and group information from the database.

Explanation: An SQL error occurred while the Information Catalog Manager API attempted to retrieve information about users and groups from the database.

User Response: Check the Message Reference for more information about this SQL error.

ICM0006N An SQL error occurred while loading the list of registered applications.

Explanation: An SQL error occurred while the Information Catalog Manager API attempted to retrieve the list of applications.

User Response: Check the Message Reference for more information about this SQL error.

ICM0007N An SQL error occurred while retrieving the application ID for the application *applicationname*.

Explanation: An SQL error occurred while the Information Catalog Manager API attempted to retrieve the application ID for the specified application.

User Response: Check the Message Reference for more information on this SQL error.

ICM0008N An SQL error occurred while loading an object type.

Explanation: An SQL error occurred while the Information Catalog Manager API attempted to retrieve an object type definition from the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0009N An SQL error occurred while creating object type *objecttype*.

Explanation: An SQL error occurred while the Information Catalog Manager API was creating the specified object type.

User Response: Check the Message Reference for more information on this SQL error.

ICM0010N An SQL error occurred while updating the object type *objecttype*.

Explanation: An SQL error occurred while the Information Catalog Manager API was updating the specified object type.

User Response: Check the Message Reference for more information on this SQL error.

ICM0011N An SQL error occurred while deleting object type *objecttype*.

Explanation: An SQL error occurred while the Information Catalog Manager API was deleting the specified object type.

User Response: Check the Message Reference for more information on this SQL error.

ICM0012N An SQL error occurred while retrieving a reference ID for object type *objecttype*.

Explanation: An SQL error occurred while the Information Catalog Manager API was retrieving the next available reference ID for the specified object type.

User Response: Check the Message Reference for more information on this SQL error.

ICM0013N An SQL error occurred while loading an object instance from the IBM DB2 Universal Database tools catalog.

Explanation: An SQL error occurred while the Information Catalog Manager API was loading the data for an object instance from the DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0014N An SQL error occurred while creating instance *instancename* of object type *objecttype*.

Explanation: An SQL error occurred while the Information Catalog Manager API was creating an object instance in the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0015N An SQL error occurred while updating an instance of object type *objecttype*.

Explanation: An SQL error occurred while the Information Catalog Manager API was updating an object instance in the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0016N An SQL error occurred while deleting an instance of object type *objecttype*.

Explanation: An SQL error occurred while the Information Catalog Manager API was deleting an object instance from the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0017N An SQL error occurred while loading property *propertyname*.

Explanation: An SQL error occurred while the Information Catalog Manager API was loading the value for the specified object instance property.

User Response: Check the Message Reference for more information on this SQL error.

ICM0018N An SQL error occurred while loading a relationship category.

Explanation: An SQL error occurred while the Information Catalog Manager API was loading a relationship category from the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0019N An SQL error occurred while creating relationship category *categoryname*.

Explanation: An SQL error occurred while the Information Catalog Manager API was creating the relationship category in the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0020N An SQL error occurred while updating relationship category *categoryname*.

Explanation: An SQL error occurred while the Information Catalog Manager API was updating the relationship category in the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0021N An SQL error occurred while deleting relationship category *categoryname*.

Explanation: An SQL error occurred while the Information Catalog Manager API was deleting

the relationship category from the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0022N An SQL error occurred while loading a relationship type.

Explanation: An SQL error occurred while the Information Catalog Manager API was loading a relationship type from the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0023N An SQL error occurred while creating relationship type *typename*.

Explanation: An SQL error occurred while the Information Catalog Manager API was creating the relationship type in the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0024N An SQL error occurred while updating relationship type *typename*.

Explanation: An SQL error occurred while the Information Catalog Manager API was updating the relationship type in the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0025N An SQL error occurred while deleting relationship type *typename*.

Explanation: An SQL error occurred while the Information Catalog Manager API was deleting the relationship type from the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0026N An SQL error occurred while loading a relationship instance.

Explanation: An SQL error occurred while the Information Catalog Manager API was loading the information for a relationship instance from the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0027N An SQL error occurred while creating an instance for relationship type *typename*.

Explanation: An SQL error occurred while the Information Catalog Manager API was creating an instance of the relationship type in the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0028N An SQL error occurred while updating an instance of relationship type *typename*.

Explanation: An SQL error occurred while the Information Catalog Manager API was updating an instance of the relationship type in the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0029N An SQL error occurred while deleting an instance of relationship type *typename*.

Explanation: An SQL error occurred while the Information Catalog Manager API was deleting an instance of the relationship type from the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0030N An SQL error occurred while committing changes on the context.

Explanation: An SQL error occurred while the Information Catalog Manager API was attempting to commit a context to the database.

User Response: Check the Message Reference for more information on this SQL error.

ICM0031N An SQL error occurred while rolling back changes on the context.

Explanation: An SQL error occurred while the Information Catalog Manager API attempted to rollback a context to the database.

User Response: Check the Message Reference for more information on this SQL error.

ICM0032N An SQL error occurred while releasing the context.

Explanation: An SQL error occurred while the Information Catalog Manager API was releasing a context.

User Response: Check the Message Reference for more information on this SQL error.

ICM0033N An SQL error occurred while accessing the context's connection properties.

Explanation: An SQL error occurred while the Information Catalog Manager API was accessing the database connection details for a context.

User Response: Check the Message Reference for more information on this SQL error.

ICM0034N An SQL error occurred while cancelling a search operation.

Explanation: An SQL error occurred while the Information Catalog Manager API was processing a user request to cancel a search operation

User Response: Check the Message Reference

for more information on this SQL error.

ICM0035N An SQL error occurred while loading an access control list.

Explanation: An SQL error occurred while the Information Catalog Manager API was loading information in an access control list from the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0036N An SQL error occurred while updating access control list *accesslistname*.

Explanation: An SQL error occurred while the Information Catalog Manager API was updating the access control list in the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0037N An SQL error occurred while accessing the data of Blob property *propertyname*.

Explanation: An SQL error occurred while the Information Catalog Manager API was loading the data for the specified Blob property.

User Response: Check the Message Reference for more information on this SQL error.

ICM0038N An SQL error occurred while retrieving the version information of the IBM DB2 Universal Database tools catalog.

Explanation: An SQL error occurred while the Information Catalog Manager API queried the database for the version information of the database engine and the DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0039N An SQL error occurred while retrieving the access control entries for an object.

Explanation: An SQL error occurred while the Information Catalog Manager API was loading the access control data for an object.

User Response: Check the Message Reference for more information on this SQL error.

ICM0040N An SQL error occurred while creating access control list *accesslistname*.

Explanation: An SQL error occurred while the Information Catalog Manager API was creating the access control list in the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0041N An SQL error occurred while deleting access control list *accesslistname*.

Explanation: An SQL error occurred while the Information Catalog Manager API was deleting the access control list from the IBM DB2 Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0042N An SQL error occurred while locking object type *typename*.

Explanation: An SQL error occurred while the Information Catalog Manager API was locking the object type to prevent access by other applications.

User Response: Check the Message Reference for more information on this SQL error.

ICM0043N An SQL error occurred while loading an object ID.

Explanation: An SQL error occurred while the Information Catalog Manager API was loading the ID for an object instance from the IBM DB2

Universal Database tools catalog.

User Response: Check the Message Reference for more information on this SQL error.

ICM0100N Unable to connect to the IBM DB2 Universal Database tools catalog. Database = *databasename*, Catalog = *catalogname*).

Explanation: Incorrect values were provided for the database or catalog names.

User Response: Provide valid values for the database and catalog. The database name must refer to a database that has been cataloged on the system where the Information Catalog Manager API is being run. The catalog name must refer to the schema inside the database used to hold the DB2 Universal Database tools catalog.

ICM0101N This catalog object is already connected to an IBM DB2 Universal Database tools catalog.

Explanation: Failed to open a connection to a DB2 Universal Database tools catalog using a catalog object that already had an open connection.

User Response: Check that the catalog object is not already open.

ICM0102N Schema *schemaname* in database *databasename* does not contain a valid IBM DB2 Universal Database tools catalog. Table *tablename*' was not found.

Explanation: Unable to find the required table *tablename* while the catalog opened a connection to the DB2 Universal Database tools catalog,

User Response: Check that the schema and database names are correct, and that a DB2 Universal Database tools catalog has been created for schema *schemaname*.

ICM0103N Incorrect arguments provided to orphan relationship search.

Explanation: The emptySource and emptyTarget parameters to the orphanRelationships(Context, Object, Collection, Collection, boolean, bJoolean, SearchRules) method of the Catalog object were both false, which is incorrect.

User Response: One or both of the parameters emptySource and emptyTarget must be true.

ICM0104N *applicationname* is a reserved application name.

Explanation: The application name *applicationname* is reserved for use by the Information Catalog Manager API.

User Response: Use a different name for the application name.

ICM0105N Application *applicationname* is already registered.

Explanation: An application named *applicationname* has been previously registered with the Information Catalog Manager API.

User Response: Register the application using a different name or use the existing registered application ID.

ICM0106N Application *applicationname* has not been registered.

Explanation: An attempt was made to use an unregistered application name for an application.

User Response: Register the application name before using it or use the name of an application that has already been registered.

ICM0107N An application must be associated with the catalog object before the IBM DB2 Universal Database tools catalog can be accessed.

Explanation: Attempted to access the DB2 Universal Database tools catalog before associating an application with the catalog object.

User Response: Associate an application with the catalog object using the `setApplicationName(String)` method of the catalog class before using the catalog object to access the DB2 Universal Database tools catalog.

ICM0108N Unable to close catalog while contexts remain unreleased.

Explanation: One or more contexts were in an unreleased state while the close method of a catalog object was called.

User Response: Release all contexts opened against a catalog before closing the catalog.

ICM0109N Incorrect constraint object encountered while saving constraints.

Explanation: An I/O error occurred while preparing a constraint to be saved to the database.

User Response: Check that the constraint object is Serializable.

ICM0110N Incorrect constraint object encountered while loading constraints.

Explanation: An I/O error occurred while recreating a constraint from the data stored in the IBM DB2 Universal Database tools catalog.

User Response: Contact your IBM service representative.

ICM0111N Cannot register application *applicationname*. No IDs are available.

Explanation: There are 63 available application IDs. Attempted to register a 64th application.

User Response: Remove any registered applications that are no longer being used with this IBM DB2 Universal Database tools catalog and contact your IBM service representative.

ICM0112N Incorrect arguments provided to `getACEsForPrincipal(Context, String, boolean, Collection)` method.

Explanation: The value for the principal or the collection of object types to retrieve access control entries was null.

User Response: Specify non-null values for the principal and the collection of object types.

ICM0113N Incorrect arguments provided to `getObjectsOwnedByUser(Context, String, Collection)` method.

Explanation: The value was null for the user or the Collection of object types to retrieve the owned objects.

User Response: Specify non-null values for both the user and the Collection of object types.

ICM0200N The `setProperty(Collection)` method of an object type cannot be used after the object type has been created.

Explanation: Attempted to use the `setProperty(Collection)` method on an object type that has already been created in the IBM DB2 Universal Database tools catalog.

User Response: Use the `addProperty(MetadataPropertyDefinition)` method to add new properties individually or create a new object type.

ICM0201N System property *propertyname* must be specified when setting the properties of this object type.

Explanation: The system property *propertyname* was not in the list of properties provided to the `setProperty(Collection)` method.

User Response: The list of properties provided to the `setProperty(Collection)` method must include all of the system properties.

ICM0202N Property *propertyname* is in use by index *indexname* of object type *typename*. The property must be specified when setting the list of properties for the object type.

Explanation: The property *propertyname* must remain in the set of properties for the object type because the property is being used by an index.

User Response: Remove the property from the specified index, remove the index, or add the property to the set of properties for the object type.

ICM0203N Object *object* is not a metadata property object.

Explanation: An incorrect object was found in the set of properties being assigned to an object type.

User Response: The set of properties provided to `setPropertyCollection()` must contain only `MetadataPropertyDefinition` objects. Remove any objects that are of a different type.

ICM0204N Duplicate property named *propertyname* was found in list.

Explanation: A call to `setPropertyCollection()` had multiple property objects with the same name.

User Response: Remove or rename any properties with duplicate names.

ICM0205N No property definition named *propertyname* exists for this object type.

Explanation: A call to `getProperty(String)` was made using a property that is not defined for the object type.

User Response: Use the `getPropertyCollection()` method to retrieve all properties if the name of a specific property is not known.

ICM0206N An object type named *typename* already exists in the datastore.

Explanation: Attempted to create or rename an object type with an existing name.

User Response: Chose a unique name for the new object type.

ICM0207N Unable to delete object type *typename* while it has object instances defined.

Explanation: Attempted to delete an object type with instances defined without selecting the delete instances option.

User Response: Delete all of the instances before deleting an object type or use the delete instances option of the `delete(boolean)` method of the object type.

ICM0208N Cannot use the `setTableOptions(String)` method of an object type after the object type has been created.

Explanation: Attempted to modify the table options clause after the object type was created. The table options clause can only be used when creating the table.

User Response: Set the desired table options before creating the object type.

ICM0209N The `setSchemaName(String)` method of an object type cannot be used after the object type has been created.

Explanation: Attempted to modify the schema for the object instance table after the object type has been created.

User Response: Set the desired schema before creating the object type.

ICM0210N Property *propertyname* specified for index *indexname* is not a property of object type *typename*.

Explanation: An index provided to the object type contained one or more properties that do not belong to the object type.

User Response: Check that all properties in an index are the correct property definition objects defined for an object type. Use the `getProperties()` and `getProperty(String)` methods to retrieve the correct property definition objects.

ICM0211N The type of object instance *instancename* does not match object type (*typename*).

Explanation: One of the object instances provided did not match the `createObjects(Context, Collection)` method object type.

User Response: The `createObjects(Context, Collection)` method can only handle object instances that are of the same object type.

ICM0212N String *searchcriteria* is an invalid search criteria for the name property.

Explanation: Failed to search object instances by name because the name parameter provided was not a value.

User Response: The name parameter cannot be null.

ICM0213N An incorrect query filter object was provided to the `getObjectInstances(Context, Object, QueryFilterObject, SearchRules, boolean)` method of an object type.

Explanation: The query filter object was either null or was for a different object type than the one it was passed to.

User Response: Define a query filter object for the object type that is being searched.

ICM0214N The list of object types is not valid.

Explanation: A list of object types provided to one of the Information Catalog Manager API methods was not valid. The object type list was either null or empty.

User Response: Check that the list of object types contains at least one object type.

ICM0215N The data type specified while creating a property definition object was not valid.

Explanation: The value specified did not identify one of the allowed data types.

User Response: Check that the value for the data type is a data type constant defined in the `MetadataPropertyDefinition` class.

ICM0216N Index *indexname* of object type *typename* is not valid.

Explanation: An index provided to the object type *typename* did not have any properties defined.

User Response: The index must have at least one property specified.

ICM0217N Property *propertyname* is defined multiple times in index *indexname* of object type *typename*.

Explanation: An index provided to the object type *typename* has the same property defined multiple times.

User Response: Remove all duplicate properties from the index.

ICM0218N Index *indexname* does not exist for object type *typename*.

Explanation: Object type *typename* could not grant a request to remove index *indexname* because an index with that name does not exist.

User Response: Check that the index is defined

for the object type before attempting to remove it.

ICM0219N An index with the name *indexname* is already defined for object type *typename*.

Explanation: An index with the specified name has already exists. Index names must be unique.

User Response: Chose a unique name for the new index, or remove the existing one to replace it with the new one.

ICM0220N Index *duplicatename* duplicates the definition of index *indexname* of object type *typename*.

Explanation: An index already exists with the requested definition for the object type.

User Response: Either modify the new index to make it different than all existing indexes, or just use the existing indexes if they provide sufficient indexing for the object type.

ICM0300N The requested object instance was not found in the datastore.

Explanation: Attempted to load the value of a property for an object instance that has not been created in the datastore.

User Response: Contact your IBM service representative.

ICM0301N A property update request violates property constraint *constraintname*.

Explanation: The operation cannot be performed because constraint *constraintname* does not allow it.

User Response: Choose a value allowed by the constraint or remove the constraint from the property definition.

ICM0302N The object type has already been set for this instance.

Explanation: Attempted to set the object type for an instance that already had a type defined.

User Response: Instances that already have a type defined cannot have their type changed.

ICM0303N The specified object type is not valid.

Explanation: The object type provided to the object instance `setType(ObjectType)` method is not valid. The object type is either null or has not yet been created.

User Response: Check that the object type passed to the `setType(ObjectType)` method has been created.

ICM0304N No property named *propertyname* exists for this object instance.

Explanation: Attempted to retrieve a property that does not exist.

User Response: Check the spelling of the property name and that the case matches. Use the `getProperties()` method to get a list of all defined properties.

ICM0305N The object instance is not in a valid state.

Explanation: The object instance is not able to handle requests for data or updates because it is not valid.

User Response: Reload the object instance from the IBM DB2 Universal Database tools catalog. If it is a new instance check that an object type is set.

ICM0306N A name is required for the object instance.

Explanation: The object instance is not valid because the name has not been set.

User Response: Provide a non-null value for the name property of the object instance.

ICM0307N Property *propertyname* is not valid.

Explanation: The object instance is not valid because the property value is null when the property is required or the property value violates one of the property constraints.

User Response: Provide a valid value for the specified property.

ICM0308N The current application does not have permission to update this object.

Explanation: The current application is not the owning application and does not have application update authority on the specified object.

User Response: Use the owning application to grant authority to the current application.

ICM0309N Property *propertyname* does not belong to this object instance.

Explanation: Attempted to load a property value to an incorrect object instance.

User Response: Contact your IBM service representative.

ICM0310N The value for property *propertyname* exceeds the property definition's maximum length.

Explanation: The property value is longer than the maximum size allowed by the object type's property definition.

User Response: Use a smaller property value.

ICM0311N Property *propertyname* must have a value.

Explanation: The property *propertyname* is required but is set with a null value.

User Response: Set the property with a non-null value.

ICM0312N Property *propertyname* violates constraint *constraintname*.

Explanation: The value assigned to property *propertyname* is not allowed by constraint *constraintname*.

User Response: Use a value that is allowed by the constraint or remove the constraint from the property definition.

ICM0400N The list of relationship objects is not valid.

Explanation: The list of relationship objects is null or empty.

User Response: Check that the list of relationship objects contains at least one relationship.

ICM0401N Adding the specified relationship would result in a loop in the relationship category tree.

Explanation: The requested change would result in a relationship category containing itself.

User Response: Check that there are no loops in the hierarchy of relationships.

ICM0402N The relationship category *categoryname* already exists.

Explanation: Failed to create a new relationship category because the category had the same name as an existing category.

User Response: Use a unique name for the new relationship category.

ICM0403N The relationship type *typename* already exists.

Explanation: Failed to create a new relationship type because the type had the same name as an existing type. Failed to create a new relationship type because the type had the same name as an existing type.

User Response: Use a unique name for the new relationship type.

ICM0404N Unable to delete relationship type *typename* because there are relationship instances defined for it.

Explanation: Relationship types cannot be deleted if relationship instances of that type exist.

User Response: Delete all instances of the relationship type before deleting the type or use the delete instances option of the relationship type delete method.

ICM0405N The **ObjectType** being added to the **ObjectTypeRelationshipConstraint** has not been created.

Explanation: The relationship constraint attempted to use an object type that has not yet been created in the database.

User Response: Call the create() method of the object type before using it in a relationship constraint.

ICM0500N The object passed to the relationship instance is not valid. All objects must be **ObjectInstance** or **ObjectID** objects.

Explanation: The type of an object provided as a source or target to a relationship instance was not one of the allowed types.

User Response: Use only **ObjectInstance** or **ObjectID** objects as sources and targets for relationship instances.

ICM0501N An object instance must be created in the database before it can be added to a relationship.

Explanation: An object instance that has not yet been created in the database cannot be assigned to any relationships.

User Response: Call the create() method on new object instances before attempting to add them to a relationship.

ICM0502N Unable to add a null **ObjectID** to relationship.

Explanation: The Java object representing the **ObjectID** that was provided to the relationship object was null.

User Response: Use a non-null value for the **ObjectID**.

ICM0503N The relationship instance violates one or more constraints.

Explanation: One or more of the relationship instance constraints were violated by the current set of source and target objects defined for the instance.

User Response: Check the defined constraints and add or remove sources or targets as needed.

ICM0504N The relationship instance is not in a valid state.

Explanation: The relationship instance is in an unusable state.

User Response: Check that the relationship type for the instance exists and that none of the constraints are violated. Then reload the relationship instance from the database.

ICM0600N The current user does not have permission to update this object.

Explanation: Failed to update an object because the user does not have sufficient authority.

User Response: The object's owner must grant permission to users before they can update the object.

ICM0601N The current user does not have permission to delete this object.

Explanation: Failed to delete an object because the user does not have sufficient authority.

User Response: The object owner must grant users permission to delete the object.

ICM0602N The current user does not have permission to delete one of the instances of this relationship type.

Explanation: The current user is unable to delete a relationship type and its instances because the user does not have authority to delete one of the instances.

User Response: User needs the authority to delete all the instances of a relationship type in order to delete the relationship type.

ICM0603N A name must be specified for the access control list before it can be saved.

Explanation: Failed to update an access control list because the name has been set to null.

User Response: Check that the access control list has a valid name.

ICM0604N An access control list named *accesslistname* already exists in the datastore.

Explanation: The new access control list cannot be created because it has the same name as an existing access control list.

User Response: Specify a unique name for the new access control list.

ICM0605N An access control list named *accesslistname* is not valid.

Explanation: The access control list cannot be saved because it is no longer valid.

User Response: Reload the access control list from the IBM DB2 Universal Database tools catalog.

ICM0700N The data for this object has been modified in the IBM DB2 Universal Database tools catalog by a different process.

Explanation: Failed to update an object because a different process modified the object data stored in the tools catalog while the object was in

use by the current process.

User Response: Reload the object from the tools catalog or use the overwrite setting on the update method.

ICM0701N Object does not exist.

Explanation: Information Catalog Manager API request failed because it attempted to use an object that has not been created in the IBM DB2 Universal Database tools catalog.

User Response: Call the create method of the object before using the method.

ICM0702N Object already exists.

Explanation: The create method was called on an object that has already been created.

User Response: Use the update method rather than the create method to update objects that already exist.

ICM0703N Object is not in a valid state.

Explanation: The object cannot be created or updated because it is not in a valid state.

User Response: Reload the object from the IBM DB2 Universal Database tools catalog.

ICM0704N Duplicate request ID *idname* passed to search method.

Explanation: The request ID provided to a search method is already in use by a different search.

User Response: Use a different request ID or wait for the already running search to finish.

ICM0705N Cannot switch to a null Context.

Explanation: The context for an Information Control Center object cannot be set to null.

User Response: Specify a non-null value to the setContext(Context) method of the Information Control Center object.

ICM00706N Cannot switch to a new context while a transaction is pending on the existing context.

Explanation: Attempted to switch the context of an object while there was an active transaction involving the object.

User Response: Commit the current context changes to the object before switching to a different context.

ICM0707N Cannot switch to a context in a different catalog.

Explanation: Attempted to switch the context of an object to a context opened against a different catalog.

User Response: Use only contexts and objects from the same catalog.

ICM0708N An access control entry already exists for specified principal (*principalname*).

Explanation: A new access control entry cannot be created for the specified principal because one already exists.

User Response: Retrieve the current access control entry and modify it. Do not create a new access control entry.

ICM0709N The context provided to access the datastore is not valid.

Explanation: The context provided to the Information Catalog Manager API is not valid. Cannot perform the requested operation.

User Response: Check that the context is not null and has not been released.

ICM0710N An incorrect parameter type was encountered in the parameterized SQL statement: *sqlstatement*.

Explanation: The type of an object parameter that was provided is not valid.

User Response: Use only objects of the types

specified in the documentation for the Information Catalog Manager API method.

ICM0711N Permission value for the PermissionElement is not valid.

Explanation: The permission is not valid with the current value in `setPermission(int, Jboolean)`.

User Response: Set permissions using the permission element constants defined in the `PermissionElement` class.

ICM00712N Incorrect number of values were provided to the query filter condition. No parameters were expected.

Explanation: The number of parameters provided for a query filter condition does not match the number expected for the operator of the condition.

User Response: Provide the correct number of parameters. No parameters are allowed for `OP_IS_NULL` and `OP_IS_NOT_NULL`. Two parameters are required for `OP_BETWEEN` and `OP_NOT_BETWEEN`. Any number of parameters greater than zero are allowed for `OP_IN` and `OP_NOT_IN`. One parameter is required for all other operators.

ICM0713N Number of values provided to the query filter condition was not valid. One parameter was expected.

Explanation: The number of parameters provided for a query filter condition does not match the number expected for the operator of the condition.

User Response: Provide the correct number of parameters. No parameters are allowed for `OP_IS_NULL` and `OP_IS_NOT_NULL`. Two parameters are required for `OP_BETWEEN` and `OP_NOT_BETWEEN`. Any number of parameters greater than zero are allowed for `OP_IN` and `OP_NOT_IN`. One parameter is required for all other operators.

ICM0714N Number of parameters provided to the query filter condition was not valid. Two parameters were expected.

Explanation: The number of parameters provided for a query filter condition does not match the number expected for the operator of the condition.

User Response: Provide the correct number of parameters. No parameters are allowed for OP_IS_NULL and OP_IS_NOT_NULL. Two parameters are required for OP_BETWEEN and OP_NOT_BETWEEN. Any number of parameters greater than zero are allowed for OP_IN and OP_NOT_IN. One parameter is required for all other operators.

ICM0715N Type specified for relationship search is not valid.

Explanation: The value of the type specified to the setType(int) method of a relationship search is not valid.

User Response: Use the TYPE_SOURCE and TYPE_TARGET constants defined in the RelationshipSearch class for the setType(int) method.

ICM0716N Relationship specified for relationship search is not valid.

Explanation: The relationship specified for a relationship search object was null.

User Response: Use a non-null value for the relationship of a relationship search.

ICM0717N The access control list for this object has not been created.

Explanation: Must create the access control list assigned to an object before the object can be saved to the IBM DB2 Universal Database tools catalog.

User Response: Call the create method on the access control list.

ICM0718N The context has been released and cannot be used.

Explanation: Attempted to use a released context to access the IBM DB2 Universal Database tools catalog.

User Response: Use the newContext() method on the catalog object to retrieve a new context and use it in place of the released one.

ICM0800N Specified a migration operation type that was not valid.

Explanation: The value of the operation type specified to the ICMMigration migrate(int) method was not a valid migration operation type.

User Response: Use one of the migration operation types defined in the ICMDatastoreInit class (MIG_REPLACE, MIG_SKIP or MIG_ERROR).

ICM0801N The definition of the property *propertyname* of the IBM DB2 Universal Database Version 7 object type *typename* being migrated is different than the existing property definition for the DB2 Universal Database Version 8 object type.

Explanation: An object type being migrated already exists in the DB2 Universal Database Version 8 tools catalog. One of the properties of the object type differs in either data type or size between the DB2 Universal Database Version 7 and Version 8 object type definitions.

User Response: Use the replace migration operation type or delete the existing DB2 Universal Database Version 8 object type before migrating the DB2 Universal Database Version 7 catalog.

ICM0802N The property *propertyname* of the IBM DB2 Universal Database Version 8 object type *typename* does not exist in the DB2 Universal Database Version 7 object type of the same name being migrated.

Explanation: An object type being migrated already exists in the DB2 Universal Database Version 8 tools catalog, but one of the properties of the existing DB2 Universal Database Version 8 object type does not exist in the DB2 Universal Database Version 7 object type definition.

User Response: Run the migration using a different operation type than MIG_ERROR or delete the existing DB2 Universal Database Version 8 object type before running the migration.

ICM0803N The property *propertyname* for the IBM DB2 Universal Database Version 7 object type *typename* does not exist in the DB2 Universal Database Version 8 object type of the same name.

Explanation: The object type being migrated exists in the DB2 Universal Database Version 8 tools catalog, but one of the object type's properties being migrated from DB2 Universal Database Version 7 does not exist in the DB2 Universal Database Version 8 object type definition.

User Response: If the missing property is optional, use the Information Catalog Center initialization tool to add the missing property to the DB2 Universal Database Version 8 object type before migrating. If the missing property is required, remove the DB2 Universal Database Version 8 object type from the tools catalog before migrating.

ICM0804N The value of the property *propertyname* for instance *instancename* of object type *typename* is not in a valid date/time format.

Explanation: The value of a date/time property in a DB2 Universal Database Version 7 catalog is not in a recognized date/time format.

User Response: Manually change the IBM DB2 Universal Database Version 7 data to a valid date/time format for the current location.

ICM0805N The data type of the *propertyname* property for instance *instancename* of object type *objecttype* is not supported by the migration tool.

Explanation: The migration tool cannot migrate object types with properties that have data types other than character or date/time strings.

User Response: The object type cannot be migrated. Check that the catalog has not been corrupted.

ICM0806N Cannot recognize the relationship type flag *typename* in the IBM DB2 Version 7 catalog being migrated.

Explanation: The value of the relationship type flag is not a recognized value.

User Response: The IBM DB2 Version 7 catalog is not valid. The relationship instance with this type flag will not be migrated.

ICM0807N Could not find relationship type *typename*.

Explanation: The predefined relationship type *typename* was not found in the IBM DB2 Universal Database tools catalog.

User Response: Contact your IBM service representative.

ICM0808N Object instance *instancename* violates a unique index on object type *typename* and cannot be created.

Explanation: The instance could not be created because it violates one of the unique indexes defined for the object type.

User Response: Remove the index or delete the IBM DB2 Universal Database Version 7 object instance that causes the index violation before running the migration tool.

ICM0900N An I/O error occurred while opening the log file *filename*.

Explanation: The initialization tool was unable to open the log file because of an I/O exception.

User Response: Check that the specified file path exists and that the file is not read-only or being used by another application.

ICM0901N An SQL error occurred while creating the Information Catalog Manager API tables.

Explanation: An SQL error occurred while the initialization tool was creating the tables required by the Information Catalog Manager API.

User Response: Check the Message Reference for more information on this SQL error.

ICM0902N An SQL error occurred during migration.

Explanation: An SQL error occurred while the migration tool was retrieving the IBM DB2 Universal Database Version 7 data being migrated.

User Response: Check the Message Reference for more information on this SQL error.

ICM0903N An SQL error occurred while creating the DB2 Universal Database Version 7 Information Catalog emulation views.

Explanation: An SQL error occurred while the initialization tool was creating the views that provide emulation of the DB2 Universal Database version 7 Information Catalog Manager tables.

User Response: Check the Message Reference for more information on this SQL error.

ICM0904N Table *tablename* is missing from the IBM DB2 Universal Database tools catalog.

Explanation: The check option for the Information Catalog Manager API initialization found that table *tablename* was not defined.

User Response: Run the Information Catalog Manager API initialization with the fix option to repair this error.

ICM0905N Table *tablename* contains at least one column with a definition that is not valid.

Explanation: The check option for the Information Catalog Manager API initialization found that table *tablename* contains at least one column that has a different type than that which is required.

User Response: Run the Information Catalog Manager API initialization with the fix option in force mode to repair this error. Using the force option may result in lost data.

ICM0906N Table *tablename* contains at least one column that is not part of the datastore definition.

Explanation: The check option for the Information Catalog Manager API initialization found that table *tablename* contains at least one column that does not exist in the table definition.

User Response: If nulls are allowed for this column then it will not affect the Information

Catalog Manager API. To remove it, run the Information Catalog Manager API initialization with the fix option in force mode to repair this error. Using the force option may result in lost data.

ICM0907N Column *columnname* of table *tablename* is missing from the **datastore**.

Explanation: The check option for the Information Catalog Manager API initialization found that table *tablename* is missing at least one column that is required by the Information Catalog Manager API.

User Response: Run the Information Catalog Manager API initialization with the fix option in force mode to repair this error. Using the force option may result in lost data.

ICM0908N Table *tablename* is missing its **primary key definition**.

Explanation: The check option for the Information Catalog Manager API initialization found that table *tablename* is missing the required primary key definition.

User Response: Run the Information Catalog Manager API initialization with the fix option to repair this error.

ICM0909N Table *tablename* is missing its **primary key definition**.

Explanation: The check option for the Information Catalog Manager API initialization found that the primary key for table *tablename* does not match the primary key that is required by the Information Catalog Manager API.

User Response: Run the Information Catalog Manager API initialization with the fix option in force mode to repair this error. Using the force option may result in lost data.

ICM0910N Table *tablename* is missing an **index definition**.

Explanation: The check option for the Information Catalog Manager API found that table *tablename* is missing a required index.

User Response: Run the Information Catalog Manager API initialization with the fix option to repair this error.

ICM0911N Table *tablename* has an **invalid index defined**.

Explanation: The check option for the Information Catalog Manager API initialization discovered that table *tablename* has an index defined which does not match the indexes required by the Information Catalog Manager API.

User Response: If the index is a unique index, it may interfere with the proper functioning of the Information Catalog Manager API. Run the Information Catalog Manager API initialization with the fix option in force mode to repair this error. Using the force option may result in lost data.

ICM0912N Index *indexname* on table *tablename* is not part of the **datastore definition**.

Explanation: The check option for the Information Catalog Manager API initialization discovered that table *tablename* has an index defined which does not match the indexes required by the Information Catalog Manager API.

User Response: If the index is a unique index, it may interfere with the property functioning of the Information Catalog Manager API. Run the Information Catalog Manager API initialization with the fix option in force mode to repair this error. Using the force option may result in lost data.

ICM0913N **Function *functionname* is missing from the IBM DB2 Universal Database tools catalog.**

Explanation: The check option for the Information Catalog Manager API initialization found that the function *functionname* is missing from the DB2 Universal Database tools catalog.

User Response: Run the Information Catalog Manager API initialization with the fix option to repair this error.

ICM0914N **The definition of function *functionname* is not valid.**

Explanation: The check option for the Information Catalog Manager API initialization discovered that the definition of function *functionname* does not match that which is required by the Information Catalog Manager API.

User Response: Run the Information Catalog Manager API initialization with the fix option in force mode to repair this error. Using the force option may result in lost data.

ICM0915N **Trigger *triggername* is missing from the IBM DB2 Universal Database tools catalog.**

Explanation: The check option for the Information Catalog Manager API initialization discovered that the trigger *triggername* is missing from the DB2 Universal Database tools catalog.

User Response: Run the Information Catalog Manager API initialization with the fix option to repair this error.

ICM0916N **The definition of trigger *triggername* is not valid.**

Explanation: The check option for the Information Catalog Manager API initialization discovered that the definition of trigger *triggername* does not match the definition that is required by the Information Catalog Manager API.

User Response: Run the Information Catalog

Manager API initialization with the fix option in force mode to repair this error. Using the force option may result in lost data.

ICM00917N **Trigger *triggername* is not part of the datastore definition.**

Explanation: The check option for the Information Catalog Manager API initialization discovered that a trigger named *triggername* is defined for one of the DB2 tools catalog tables which does not match any of the triggers required by the initialization tool.

User Response: Run the Information Catalog Manager API initialization with the fix option in force mode to repair this error. Using the force option may result in lost data.

ICM00918N **The view *viewname* is missing from the DB2 tools catalog.**

Explanation: The check option for the Information Catalog Manager API initialization found that the view named *viewname* was not defined.

User Response: Run the Information Catalog Manager API initialization with the fix option to repair this error.

ICM0919N **Property *propertyname* of object type *typename* has a different data type than the property of the default object type.**

Explanation: An existing object type matches the name of one of the default object types, but one of its properties has a different data type than the default definition for the object type.

User Response: No change is required to keep the current definition. To replace the object type with the default definition, run the application initialization with the APP_REPLACE option.

ICM00920N Property *propertyname* of object type *typename* does not exist in the default definition for the object type.

Explanation: An existing object type matches the name of one of the default object types, but one of its properties has a different data type than the default definition for the object type.

User Response: No change is required to keep the current definition. To replace the object type with the default definition, run the application initialization with the APP_REPLACE option.

ICM00921N Property *propertyname* of object type *typename* exists in the default definition, but is missing from the existing object type.

Explanation: An existing object type matches the name of one of the default object types, but one of its properties has a different data type than the default definition for the object type.

User Response: No change is required to keep the current definition. To replace the object type with the default definition, run the application initialization with the APP_REPLACE or APP_MERGE options.

ICM00922N Could not access the Manage Information Catalog wizard because a valid license for DB2 Warehouse Manager could not be found. Please contact a local software reseller or IBM marketing representative.

Explanation: An attempt was made to initialize or migrate an information catalog without a valid license.

User Response: Purchase the DB2 Warehouse Manager package and install the Information Catalog Manager Tools component which includes the Manage Information Catalog wizard.

ICM0923N An SQL error occurred while dropping the DB2 Universal Database Version 7 Information Catalog emulation views.

Explanation: An SQL error occurred while the initialization tool was dropping the views that provide emulation of the DB2 Universal Database version 7 Information Catalog Manager tables.

User Response: Check the Message Reference for more information on this SQL error.

ICM10001N The information catalog is already open.

Explanation: The open method of the ICMCatalog class was called while the information catalog had already been opened.

User Response: Delete the redundant call to open the catalog.

ICM10002N Cannot commit a batch checkpoint while there is no active batch.

Explanation: The checkpoint operation commits a set of transactions which are pending changes to the catalog; the transactions are committed to the information catalog. There are no pending operations while there is no active batch.

User Response: Commit a batch checkpoint only when there is an active batch. Use startBatch to make a batch active and endBatch to end it. Use checkpoint to commit intermediate points in the batch of changes.

ICM10003N The information catalog is not open.

Explanation: A catalog must be open before operations can be performed against it.

User Response: Open the catalog before attempting this operation.

ICM10004N The access control list named *accesslistname* is not unique.

Explanation: The attempted retrieval of an access control list by name returned more than one instance. This is an internal catalog error that must be repaired because access control lists are required to have unique names.

User Response: Repair the information catalog.

ICM10005N Batch mode is not active.

Explanation: The endBatch method was called when no batch was active.

User Response: A batch must be started before it can end. Use the sequence startBatch, modify catalog, checkpoint, modify catalog, checkpoint, modify catalog, endBatch for valid batch operation.

ICM10006N Batch mode is already active.

Explanation: The startBatch method was called while no batch was active.

User Response: A batch cannot start until a previous batch has ended. Use the sequence startBatch, modify catalog, checkpoint, modify catalog, checkpoint, modify catalog, endBatch for valid batch operation.

ICM10007N Failed to remove the last recorded checkpoint.

Explanation: The Information Catalog Manager API records checkpoints as they are committed during a batch. This is done so that the batch can be resumed from the last successful checkpoint if a failure occurs. On successful completion of the batch, the checkpoint record is removed. It is the removal of the checkpoint record that failed.

User Response: Check the nested exception to determine the cause of the failure.

ICM10008N An I/O error occurred while creating the export temporary file *filename*.

Explanation: An error occurred while creating a temporary file that holds information during the export process.

User Response: Check the nested exception and correct the problem.

ICM10009N Export operation to file *filename* failed.

Explanation: An error occurred during an export operation.

User Response: Check the export log file and correct the problem.

ICM10010N Import failed. Last completed checkpoint was *checkpoint*.

Explanation: An import operation was partially successful but failed before completion.

User Response: Check the import log file and correct the problem.

ICM10011N Import failed. No checkpoints completed.

Explanation: An import operation failed before completing any checkpoints.

User Response: Check the import log file and correct the problem.

ICM10012N The access control list is not the default access control list.

Explanation: The access control List provided to setDefaultACL must be the access control list acquired from getDefaultACL.

User Response: Check the documentation for ICMCatalog.setDefaultACL.

ICM10013N Checkpoint object instance
user=*username*, host=*hostname*,
batch=*batchname* in internal object
type *typename* is not unique.

Explanation: Checkpoints are kept in an internal object type with the unique ID set to the user, host, batch properties. It should not be possible for ambiguous checkpoint object instances to exist.

User Response: Contact a database administrator for catalog repair.

ICM10014N Unable to retrieve host name for
checkpoint identification.

Explanation: An unknown host exception was thrown while retrieving the host name.

User Response: Contact a system administrator to examine the nested exception.

ICM10015N Unexpected property constraint
exception occurred while working
with object instance
user=*username*, host=*hostname*,
batch=*batchname* of the internal
object type *objecttype*.

Explanation: A property constraint exception was thrown while working with an instance of the internal checkpoint object type. An internal catalog problem occurred because no property constraints are placed on the properties of this object type.

User Response: Contact a database administrator for catalog repair.

ICM10016N Unexpected security exception
while working with object
instance user=*username*,
host=*hostname*, batch=*batchname* of
the internal object type *typename*.

Explanation: Checkpoint object instances are owned by the current user at the time the batch completed a checkpoint. No security violation should occur.

User Response: Determine the security violation and correct it.

ICM10017N Unexpected property constraint
exception occurred while
recording the delete history in the
internal object type *objecttype*.

Explanation: A property constraint exception was thrown while working with an instance of the internal object type used to record the delete history. There is an internal catalog problem because no property constraints are placed on the properties of this object type.

User Response: Turn off the delete history feature and contact a database administrator for catalog repair.

ICM10100N Internal object type *objecttype* was
not found. This catalog is not
usable.

Explanation: An internal object type used to support the Information Catalog Center application was not found in the IBM DB2 Universal Database tools catalog. The catalog was not properly initialized for Information Catalog Center use or it was corrupted.

User Response: Check that the metadata store containing the catalog has been properly initialized for the Information Catalog Center application.

ICM10101N Internal relationship type
***relationshiptype* was not found.**
This catalog is not usable.

Explanation: An internal relationship type used to support the Information Catalog Center application was not found in the IBM DB2 Universal Database tools catalog. The catalog was not properly initialized for Information Catalog Center use or it has been corrupted.

User Response: Check that the metadata store containing the catalog has been properly initialized for the Information Catalog Center application.

ICM10200N A collection named *name* already exists.

Explanation: The collection name supplied was identical to the name of an already existing collection owned by the current user.

User Response: Specify a different name for the new collection.

ICM10201N Unable to create a new collection with a default name.

Explanation: The Information Catalog Manager API can create up to 1000 different default collection names. Failed to create the new collection because all 1000 default names already exist.

User Response: Rename some collections to non-default names.

ICM10202N Collection *name* is specified for deletion but does not match any collection owned by the current user.

Explanation: The collection name specified as the target of a delete operation was not found in the current user's collections.

User Response: Specify an existing collection.

ICM10203N The relationship instance identifying members of collection *name* could not be found.

Explanation: The internal relationship type instance, which is used to identify members of a collection, was not associated with the collection. An internal error occurred and the collection is not usable.

User Response: Use the Information Catalog Manager API to delete the collection.

ICM10204N Too many relationship instances exist on collection *name*.

Explanation: More than one relationship instance was found attached to an instance of the internal object type used to store collections. An

internal error occurred in the information catalog and this collection is not usable.

User Response: Use the Information Catalog Manager API to delete the collection.

ICM10205N Relationship instance on collection *name* is not valid.

Explanation: A relationship instance of an incorrect type was found attached to an instance of the internal object type used to store collections. This is an internal error in the information catalog and the collection is not usable.

User Response: Use the Information Catalog Manager API to delete the collection.

ICM10300N Could not recognize the property search type specified.

Explanation: The property search type supplied to a DateSearchCriteria or TextSearchCriteria is not one of those defined.

User Response: Specify one of the defined property search types.

ICM10301N No search date specified.

Explanation: Attempted to run a date search with no dates specified.

User Response: Specify a start date, end date, or both.

ICM10302N Search has no associated criteria.

Explanation: Attempted to call the create method to write a search with no associated criteria to the catalog.

User Response: Associate a criteria with the search before creating it.

ICM10303N Error occurred while loading search criteria for search *name*.

Explanation: An exception was caught while reading the search criteria for a search from the catalog.

User Response: Check the nested exception to determine the problem.

ICM10304N Error occurred while storing search criteria for search *name*.

Explanation: An exception was caught while writing the search criteria for a search to the catalog.

User Response: Check the nested exception to determine the problem.

ICM10305N Maximum returned object count cannot be negative. Count was: *error-code*.

Explanation: A SearchCriteria object was given a negative value for maximum objects returned. An error would occur if the SearchCriteria is run.

User Response: Specify a maximum object count which is not negative.

ICM10306N Object type search collection contains foreign object.

Explanation: Only ICMObjectTypes can be specified to identify the types of ICMObjectInstances to search.

User Response: Check that the collection of object types only contains objects of type ICMObjectType.

ICM10307N The search name *name* is in use.

Explanation: A user cannot have two searches with the same name.

User Response: Specify a search name which is not in use.

ICM10308N Unable to find a new default search name.

Explanation: The Information Catalog Manager API can create up to 1000 different default search names when creating a new search. Failed to create a new default search name because all default names are in use.

User Response: Rename some searches that have default names.

ICM10309N No search strings specified.

Explanation: Attempted to perform a text search with no text strings specified.

User Response: Specify search strings to be matched.

ICM10310N The search *name* specified for deletion does not match existing searches owned by the current user.

Explanation: The search name specified as the target of a delete was not found in the current user's searches.

User Response: Specify an existing search.

ICM10311N Search values must be text strings.

Explanation: Attempted to set search values for a TextSearchCriteria which were not text strings.

User Response: Specify search text strings to be matched.

ICM10400N Message Text : Error occurred while retrieving property data for *user/group* from the internal object type *objecttype*.

Explanation: An exception was caught while retrieving the stored property information from an object instance of the internal object type.

User Response: Contact a database administrator to check the nested exception.

ICM10401N Error occurred while storing property data for *user/group* to the internal object type *objecttype*.

Explanation: An exception was caught while storing property information to an object instance of the internal object type.

User Response: Contact a database administrator to check the nested exception.

ICM10402N Unable to retrieve host name.

Explanation: An unknown host exception was thrown while retrieving the host name.

User Response: Consult a system administrator to check the nested exception.

ICM10500N Error occurred while starting program with command string *command*.

Explanation: An exception was thrown while attempting to invoke a program on an object instance.

User Response: Check the nested exception and correct the program or path object.

ICM10501N Internal error occurred while attempting to write a BlobProperty to a file.

Explanation: The BlobProperty has been created in the database but the associated object instance has not.

User Response: Contact your IBM service representative.

ICM10502N Property *propertyname* is an incorrect type.

Explanation: A property name passed to writeBlobToStream or writeClobToWriter was not a correct Blob or Clob property.

User Response: Check that the property is a Blob or Clob as needed by the method being called.

ICM10503N Unable to retrieve the value from the *propertyname* property of an instance of object type *objecttype*.

Explanation: An exception was caught while retrieving a value from the property of the object type.

User Response: Contact a database administrator to check the nested exception.

ICM10504N Unmatched parameter marker in a parameterized string. String = *paramstring*.

Explanation: A parameter marker open character was found without a corresponding parameter marker close character while formatting a parameterized string.

User Response: Check that the parameterized string is in a valid format.

ICM10505N Error occurred while writing data from BlobProperty or ClobProperty *propertyname* to file *filename*.

Explanation: A parameter of the type BlobProperty or ClobProperty was encountered as one of the parameters while formatting a parameterized string. An exception was caught while writing the contents of the property to a file.

User Response: Check the nested exception.

ICM10506N An internal error occurred while attempting to write property *propertyname* to a file.

Explanation: Attempted to write a property to a file while formatting a parameterized string. The property was not a BlobProperty or a ClobProperty, which are the only property types allowed to be written to a file.

User Response: Contact your IBM service representative.

ICM10600N Icon data size *datasize* is larger than *maxsize* bytes.

Explanation: The icon associated with an object type cannot be larger than the indicated maximum size.

User Response: Specify a smaller icon file. Contact a database administrator if the icon data has been corrupted in the catalog.

ICM10601N Error occurred while retrieving icon data from catalog.

Explanation: An SQLException was caught while reading the icon data from the object type.

User Response: Check the nested exception.

ICM10700N The name specified (*typename*) matches more than one object type.

Explanation: The name used to retrieve an object type matched more than one object type. The inclusion of a wildcard character in the name might cause this error.

User Response: Supply a name which uniquely identifies an object type.

ICM10701N The object type *typename* does not exist.

Explanation: The object type name used with an Information Catalog Manager API method did not match existing object types.

User Response: Use the name of an existing object type.

ICM10702N The required relationship category *categoryname* can not be found. This catalog is not usable.

Explanation: One of the required relationship categories in an information catalog could not be found. This is a fatal error.

User Response: Contact a database administrator.

ICM10703N The object type *typename* is not an information catalog user object type.

Explanation: The IBM DB2 Universal Database tools catalog supports multiple application programs. The object types seen by information catalog users are a subset of all the object types in a tools catalog. An exception occurred while passing an object type to the Information Catalog Manager API which is not one of the information

catalog user object types.

User Response: Only use the Information Catalog Manager API with information catalog user object types.

ICM10704N An operation to store the default property visibility flags for the object type *typename* failed.

Explanation: An exception was caught while storing the information that defines default property visibility for this object type.

User Response: Contact a database administrator to check the nested exception.

ICM10705N An operation to load the default property visibility flags for the object type *typename* failed.

Explanation: An exception was caught while loading the information that defines default property visibility for this object type.

User Response: Contact a database administrator to check the nested exception.

ICM10706N The object type *typename* is not an information catalog user object type.

Explanation: The IBM DB2 Universal Database tools catalog supports multiple application programs. The object types seen by information catalog users are a subset of all the object types in a tools catalog. An exception occurred because an object instance of a type not in the information catalog user object type set was linked by a relationship to an instance of an object type which is in the information catalog user object type set.

User Response: Use the Information Catalog Manager API with information catalog user object types.

ICM10800N The required relationship constraint *constraintname* may not be removed.

Explanation: Relationship constraints placed on relationship types enforce required behaviors within the information catalog. The constraints may not be removed.

User Response: Do not attempt to remove the required relationship constraint.

ICM10801N Error occurred while enforcing required constraint *constraintname* on relationship type *relationshiptype*.

Explanation: An exception was thrown while attempting to instantiate a required constraint object to apply to a relationship type.

User Response: Contact a database administrator to check the nested exception.

Chapter 12. GSE Messages

This section contains the IBM DB2 UDB Spatial Extender messages. The messages are listed in numeric sequence.

GSE0000I **The operation was completed successfully.**

Explanation: No errors were encountered during the execution of this operation.

User Response: No action required.

msgcode: 0

sqlstate: 00000

GSE0001C **An internal error occurred.**

Explanation: Spatial Extender encountered an unexpected internal error.

User Response: Repeat the command. If the problem persists, contact IBM Software Support.

msgcode: -1

sqlstate: 38S01

GSE0002C **Spatial Extender could not access its memory pool. Reason code = *reason-code*.**

Explanation: Spatial Extender tried unsuccessfully to access its memory pool.

User Response: Note the reason code *reason-code* and contact IBM Software Support.

msgcode: -2

sqlstate: 38S02

GSE0003N **Spatial Extender could not allocate *number* bytes of memory.**

Explanation: Not enough memory was available. Possible reasons are that the supply of memory was too low, or that memory was being used by other applications.

User Response: Resolve the memory shortage and repeat the command.

msgcode: -3

sqlstate: 38S03

GSE0004C **An internal parameter error occurred.**

Explanation: Spatial Extender encountered an unexpected error in a parameter passed to an internal function. The operation cannot be completed successfully.

User Response: Repeat the command. If the problem persists, contact IBM Software Support.

msgcode: -4

sqlstate: 38S04

GSE0005N **Spatial Extender could not retrieve the instance path.**

Explanation: Spatial Extender could not retrieve the instance path. The operation cannot be completed successfully.

User Response: Verify the DB2 environment. If necessary, contact IBM Software Support.

msgcode: -5

sqlstate: 38S05

GSE0006N **An internal string error occurred.**

Explanation: Spatial Extender encountered an unexpected error in an internal string operation. The operation cannot be completed successfully.

User Response: Repeat the command. If the problem persists, contact IBM Software Support.

msgcode: -6
sqlstate: 38S06

GSE0007N The string *string* is missing either a closing quotation mark or a closing pair of quotation marks.

Explanation: This string lacks a closing delimiter and therefore is not terminated correctly.

User Response: Terminate the string correctly. If it starts with a quotation mark, close it with a quotation mark. If it starts with a pair of quotation marks, close it with a pair of quotation marks.

msgcode: -7
sqlstate: 38S07

GSE0008N An invalid error code *error-code* was used to raise an error.

Explanation: There was an attempt to raise an error identified by an invalid *error-code*.

User Response: Contact IBM Software Support.

msgcode: -8
sqlstate: 38S08

GSE0009N Not enough space is available in DB2's application heap.

Explanation: The available memory for DB2's application heap was exceeded by Spatial Extender. The operation cannot be completed successfully.

User Response: On receipt of this message, terminate the application. Increase the database configuration parameter (APPLHEAPSZ) to allow a larger application heap.

Refer to the IBM DB2 UDB Spatial Extender User's Guide and Reference for more information.

msgcode: -9
sqlstate: 38S09

GSE0010N Not enough log space is available to DB2.

Explanation: All available space in DB2's transaction log is being used. The operation cannot be completed successfully.

User Response: If the database is being used by other applications concurrently, retry the operation. Log space may be freed up when another application finishes a transaction.

Increase the database configuration parameters to allow more log space. For example, the database configuration parameters LOGPRIMARY, LOGSECONDARY, and LOGFILSIZ can be modified to increase the size of the available logs.

msgcode: -10
sqlstate: 38S0A

GSE0100N Spatial Extender could not open a file named *file-name*. Reason code = *reason-code*.

Explanation: Reasons why a file cannot be opened, preceded by their reason codes, are as follows:

- 1 Access to the file is denied.
- 3 A disk error occurred.
- 8 A directory with the name of the file already exists.
- 10 Spatial Extender tried either to create an already-existing file, or to open an existing file that could not be found.
- 12 The disk is full.
- 17 The specified path to the file does not exist.
- 22 A sharing violation occurred.

All other reason codes indicate an internal error.

User Response: Verify the authorization for the file and the directories, then repeat the command.

If a reason code that indicates an internal error

was encountered, contact IBM Software Support.

msgcode: -100

sqlstate: 38S10

GSE0101N An I/O error occurred while a file named *file-name* was being processed. Reason code = *reason-code*.

Explanation: Reasons why an I/O error can occur during file processing, preceded by their reason codes, are as follows:

- 1 Access to the file is denied.
- 3 A disk error occurred.
- 9 Spatial Extender attempted to read past the end of the file.
- 12 The disk is full.
- 22 A sharing violation occurred.

All other reason codes indicate an internal error.

User Response: Verify that the file exists, that you have the appropriate access to the file, and that the file is not in use by another process.

If a reason code that indicates an internal error was encountered, contact IBM Software Support.

msgcode: -101

sqlstate: 38S11

GSE0102N Spatial Extender could not close a file named *file-name*. Reason code = *reason-code*.

Explanation: Reasons why an error can occur during an attempt to close a file, preceded by their reason codes, are as follows:

- 3 A disk error occurred.
- 12 The disk is full.

All other reason codes indicate an internal error.

User Response: Verify that the file system is in fully working condition and that enough disk space is available.

If a reason code that indicates an internal error was encountered, contact IBM Software Support.

msgcode: -102

sqlstate: 38S12

GSE0103N Spatial Extender could not delete a file named *file-name*. Reason code = *reason-code*.

Explanation: Reasons why an error can occur during an attempt to delete a file, preceded by their reason codes, are as follows:

- 1 Access to the file is denied.
- 3 A disk error occurred.
- 17 The specified path to file does not exist.
- 22 A sharing violation occurred.

All other reason codes indicate an internal error.

User Response: Given for each reason code:

- 1 Verify that you have sufficient privileges on the file and all directories in the path of the file.
- 3 Verify that the disk and file system are in proper working order.
- 17 Verify that the path to the file exists.
- 22 Verify that the file is not accessed by another process.

If a reason code that indicates an internal error was encountered, contact IBM Software Support.

msgcode: -103

sqlstate: 38S13

GSE0200N An attempt to connect to the database failed. **SQLERROR** = *sql-error*.

Explanation: Spatial Extender was not able to connect to the database. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -200

sqlstate: 38S20

GSE0201W An attempt to disconnect from the database failed. SQLERROR = *sql-error*.

Explanation: Spatial Extender was not able to disconnect from the database. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: +201

sqlstate: 38S21

GSE0202N No connection to a database exists.

Explanation: Spatial Extender cannot connect to a database. The command cannot be executed successfully.

User Response: Verify the Spatial Extender and database setup. Make sure that a connection to the database can be established.

msgcode: -202

sqlstate: 38S22

GSE0203W Spatial Extender was already connected to database *database-name*.

Explanation: Spatial Extender tried to connect to the database *database-name* but was already connected to it.

User Response: Contact IBM Software Support.

msgcode: +203

sqlstate: 38S23

GSE0204N An attempt to commit a transaction failed. SQLERROR = *sql-error*.

Explanation: Spatial Extender could not commit the current transaction successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -204

sqlstate: 38S24

GSE0205W An attempt to roll back a transaction failed. SQLERROR = *sql-error*.

Explanation: Spatial Extender could not roll back the current transaction. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: +205

sqlstate: 38S25

GSE0206N A SELECT statement failed. SQLERROR = *sql-error*.

Explanation: Spatial Extender could not execute a SELECT statement successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -206

sqlstate: 38S26

GSE0207N A VALUES statement failed. SQLERROR = *sql-error*.

Explanation: Spatial Extender could not execute a VALUES statement successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -207

sqlstate: 38S27

GSE0208N A PREPARE statement failed.
SQLERROR = *sql-error*.

Explanation: Spatial Extender could not prepare an SQL statement successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -208

sqlstate: 38S28

GSE0209N An attempt to open an SQL cursor failed. SQLERROR = *sql-error*.

Explanation: Spatial Extender could not open a cursor over a result set successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -209

sqlstate: 38S29

GSE0210W An attempt to close an SQL cursor failed. SQLERROR = *sql-error*.

Explanation: Spatial Extender could not close a cursor over a result set successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: +210

sqlstate: 38S2A

GSE0211N A fetch from an SQL cursor failed. SQLERROR = *sql-error*.

Explanation: Spatial Extender could not fetch a result from a cursor successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -211

sqlstate: 38S2B

GSE0212N An attempt to drop an object failed. SQLERROR = *sql-error*.

Explanation: Spatial Extender could not drop the specified database object. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -212

sqlstate: 38S2C

GSE0213N A bind operation failed. SQLERROR = *sql-error*.

Explanation: Spatial Extender could not bind the specified file to the current database. DB2 returned *sql-error*.

This error can occur if the size of DB2's application heap is too small.

User Response: Verify that the database is enabled for spatial operations.

If the error occurs during the enabling, verify the installation of Spatial Extender.

If the problem persists, increase the database configuration parameter (APPLHEAPSZ) for the size of the application heap.

msgcode: -213

sqlstate: 38S2D

GSE0214N An INSERT statement failed. SQLERROR = *sql-error*.

Explanation: Spatial Extender could not execute an INSERT statement successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -214

sqlstate: 38S2E

GSE0215N An UPDATE statement failed.
SQLERROR = *sql-error*.

Explanation: Spatial Extender could not execute an UPDATE statement successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -215

sqlstate: 38S2F

GSE0216N A DELETE statement failed.
SQLERROR = *sql-error*.

Explanation: Spatial Extender could not execute a DELETE statement successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -216

sqlstate: 38S2G

GSE0217N A LOCK TABLE statement failed.
SQLERROR = *sql-error*.

Explanation: Spatial Extender could not execute a LOCK TABLE statement successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -217

sqlstate: 38S2H

**GSE0218N A DECLARE GLOBAL
TEMPORARY TABLE statement
failed. SQLERROR = *sql-error*.**

Explanation: Spatial Extender could not execute a DECLARE GLOBAL TEMPORARY TABLE statement successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -218

sqlstate: 38S2I

**GSE0219N An EXECUTE IMMEDIATE
statement failed. SQLERROR =
sql-error.**

Explanation: Spatial Extender could not execute an EXECUTE IMMEDIATE statement successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -219

sqlstate: 38S2J

GSE0220N The setting of a savepoint failed.
SQLERROR = *sql-error*.

Explanation: Spatial Extender could not set a savepoint successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -220

sqlstate: 38S2K

GSE0221N No database name was specified.

Explanation: Spatial Extender could not connect to a database because the name of the database was not specified.

User Response: Specify a database name.

msgcode: -221

sqlstate: 38S2L

**GSE0222N An attempt to retrieve the
authorization list from DB2 failed.**
SQLERROR = *sql-error*.

Explanation: Spatial Extender could not retrieve the authorization list for the current user. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -222

sqlstate: 38S2M

GSE0223N An attempt to quiesce a table space failed. **SQLERROR = *sql-error***.

Explanation: Spatial Extender could not quiesce a table space successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -223

sqlstate: 38S2N

GSE0224N An attempt to load data into a table failed. **SQLERROR = *sql-error***.

Explanation: Spatial Extender could not load data into a table successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -224

sqlstate: 38S2O

GSE0225N An attempt to retrieve the database configuration or the database manager configuration failed. **SQLERROR = *sql-error***.

Explanation: Spatial Extender could not retrieve the configuration for the current database or the configuration for the database manager successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -225

sqlstate: 38S2P

GSE0226N An attempt to create a trigger failed. **SQLERROR = *sql-error***.

Explanation: Spatial Extender could not create a trigger successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -226

sqlstate: 38S2Q

GSE0227N An ALTER TABLE statement failed. **SQLERROR = *sql-error***.

Explanation: Spatial Extender could not execute an ALTER TABLE statement successfully. DB2 returned *sql-error*.

User Response: Refer to the description of *sql-error*.

msgcode: -227

sqlstate: 38S2R

GSE0228N An attempt to retrieve the message for error *gse-error* and **SQLCODE = *sqlcode*** from the Spatial Extender message catalog failed.

Explanation: Spatial Extender could not retrieve the message for error *gse-error* and **SQLCODE = *sqlcode*** successfully.

User Response: Verify the installation of Spatial Extender. Verify also that the message catalog in the language that you want to use is installed.

msgcode: -228

sqlstate: 38S2S

GSE0229N An attempt to bind a file named *bind-file* failed. **Reason code = *reason-code***.

Explanation: Spatial Extender failed in an attempt to use the *sqlabndx* function to bind the file named *bind-file* to the database. *sqlabndx* returned the reason code *reason-code*.

User Response: Verify that the database is enabled for spatial operations.

Refer to the description of *reason-code* for the function *sqlabndx*.

msgcode: -229

sqlstate: 38S2T

GSE0230N The system catalog could not be updated.

Explanation: Spatial Extender encountered an error while attempting to use the DB2 service to update the system catalog.

User Response: Contact IBM Software Support.

msgcode: -230

sqlstate: 38S2U

GSE0300N The specified password is too long.

Explanation: The password used in your attempt to connect to the database is too long.

User Response: Verify that the password you specified is correct. If it is the correct password, then shorten it and try the operation again.

msgcode: -300

sqlstate: 38S40

GSE0301N The specified schema name, *schema-name*, is too long.

Explanation: The requested operation cannot be completed successfully because the length of the schema name exceeds DB2's limit for schema names.

User Response: Specify a valid, shorter schema name. For more information on the schema name length limit, refer to IBM DB2 UDB Spatial Extender User's Guide and Reference and try the operation again.

msgcode: -301

sqlstate: 38S41

GSE0302N The specified table name, *table-name*, is too long.

Explanation: The requested operation cannot be completed successfully because the length of the table name exceeds DB2's limit for table names.

User Response: Specify a valid, shorter table name.

For more information on the table name length limit, refer to IBM DB2 UDB Spatial Extender User's Guide and Reference, and then try the operation again.

msgcode: -302

sqlstate: 38S42

GSE0303N The specified column name, *column-name*, is too long.

Explanation: The requested operation cannot be completed successfully because the length of the column name exceeds DB2's limit for column names.

User Response: Specify a valid, shorter column name.

For more information on the column name length limit, refer to IBM DB2 UDB Spatial Extender User's Guide and Reference, and then try the operation again.

msgcode: -303

sqlstate: 38S43

GSE0304N The specified index name, *index-name*, is too long.

Explanation: The requested operation cannot be completed successfully because the length of the index name exceeds DB2's limit for index names.

User Response: Specify a valid, shorter index name. For more information on the index name length limit, refer to IBM DB2 UDB Spatial Extender User's Guide and Reference, and then try the operation again.

msgcode: -304

sqlstate: 38S44

GSE0305N The specified data type name, *type-name*, is too long.

Explanation: The requested operation cannot be completed successfully because the length of the

data type name exceeds DB2's limit for data type names.

User Response: Specify a valid, shorter type name. For more information on the data type name length limit, refer to IBM DB2 UDB Spatial Extender User's Guide and Reference, and then try the operation again.

msgcode: -305

sqlstate: 38S45

GSE0306N A complete path that starts with *path* would exceed the acceptable limit of *limit* bytes.

Explanation: The file in a path that starts with *path* cannot be accessed because the length of the complete path would exceed the limit of *limit* bytes. As a result, the statement that you submitted cannot be executed successfully.

User Response: Change the location of the file to be accessed so that it can be found using a shorter path and re-submit the statement that you specified. On UNIX systems, symbolic links can be used to establish a shorter path name.

msgcode: -306

sqlstate: 38S46

GSE0307N The length of a dynamic SQL statement *statement-length* would exceed the acceptable limit of *limit* bytes.

Explanation: The statement cannot be constructed because it would be too long.

User Response: If the statement is constructed in the context of a stored procedure, verify that the WHERE clause is not too long. If necessary, shorten the WHERE clause and retry the operation. If the problem persists, contact IBM Software Support.

msgcode: -307

sqlstate: 38S47

GSE0308N The string, *string*, exceeds the limit of *limit* bytes.

Explanation: The requested operation cannot be completed successfully because the string, *string*, is too long.

User Response: Specify a shorter string. If necessary, contact IBM Software Support.

msgcode: -308

sqlstate: 38S48

GSE1000N Spatial Extender could not perform an operation *operation-name* that was requested under user id *user-id*.

Explanation: You requested this operation under a user id that does not hold the privilege or authority to perform the operation.

User Response: Consult the IBM DB2 UDB Spatial Extender User's Guide and Reference to find out what the required authorization for the operation is.

msgcode: -1000

sqlstate: 38S50

GSE1001N The specified value, *value*, is not valid for the *argument-name* argument.

Explanation: The value *value* that you entered for argument *argument-name* was incorrect or misspelled.

User Response: Consult the IBM DB2 UDB Spatial Extender User's Guide and Reference to find out what value or range of values you need to specify.

msgcode: -1001

sqlstate: 38S51

GSE1002N A required argument, *argument-name*, was not specified.

Explanation: The requested operation cannot be completed successfully because an argument that

it requires was not specified.

User Response: Specify argument *argument-name* with the value that you want; then request the operation again.

msgcode: -1002

sqlstate: 38S52

GSE1003N The spatial column, *schema-name.table-name.column-name*, could not be registered with the spatial reference system *srs-name* because it is already registered with another spatial reference system.

Explanation: A spatial reference system is already registered with the spatial column. It cannot be registered again unless it is unregistered first.

User Response: Either unregister the spatial column and then register it with the spatial reference system you want or do not attempt to register it again.

msgcode: -1003

sqlstate: 38S53

GSE1004N The specified geocoder, *geocoder-name*, is already registered.

Explanation: This geocoder is already registered. It cannot be registered again unless it is unregistered first.

User Response: Register the geocoder with a unique name, or unregister the existing geocoder first and then try the operation again.

msgcode: -1004

sqlstate: 38S54

GSE1005N Geocoding has already been set up for the spatial column named *schema-name.table-name.column-name*.

Explanation: Geocoding has already been set up for this column. Geocoding cannot be set up

again unless the current setup is removed first.

User Response: Remove the existing geocoding setup, or choose a column for which geocoding is already set up.

msgcode: -1005

sqlstate: 38S55

GSE1006N The spatial column *schema-name.table-name.column-name* is not registered.

Explanation: This spatial column was not registered with a spatial reference system. Therefore, it cannot be unregistered.

User Response: Specify a spatial column that is already registered, or do not attempt to unregister the column.

msgcode: -1006

sqlstate: 38S56

GSE1007N The specified geocoder *geocoder-name* is not registered.

Explanation: A geocoder named *geocoder-name* has not been registered. Therefore, it cannot be unregistered.

User Response: Specify a geocoder that is already registered, or do not attempt to unregister the geocoder.

msgcode: -1007

sqlstate: 38S57

GSE1008N A geocoder whose numeric identifier is *geocoder-id* is not registered.

Explanation: A geocoder whose numeric identifier is *geocoder-id* is not registered. It cannot be unregistered.

User Response: Specify a geocoder that is already registered, or do not attempt to unregister the geocoder.

msgcode: -1008

sqlstate: 38S58

GSE1009N A table named *schema-name.table-name* does not exist.

Explanation: The requested operation cannot be completed successfully because the table *schema-name.table-name* does not exist.

User Response: Specify a valid table name and retry the operation.

msgcode: -1009

sqlstate: 38S59

GSE1010N A spatial column named *schema-name.table-name.column-name* does not exist.

Explanation: The requested operation cannot be completed successfully because *schema-name.table-name.column-name* does not identify an existing column.

User Response: Specify a valid spatial column name and retry the operation.

msgcode: -1010

sqlstate: 38S5A

GSE1011N A data type named *schema-name.type-name* does not exist.

Explanation: The requested operation cannot be completed successfully because a data type *schema-name.type-name* does not exist.

User Response: Specify a valid data type name and retry the operation.

msgcode: -1011

sqlstate: 38S5B

GSE1012N The database has not been enabled for spatial operations.

Explanation: The requested operation cannot be completed successfully because the database has not been enabled for spatial operations and,

therefore, a Spatial Extender catalog has not been created.

User Response: Enable the database for spatial operations.

msgcode: -1012

sqlstate: 38S5C

GSE1013N The database is already enabled for spatial operations.

Explanation: The database is already enabled for spatial operations. It cannot be enabled again.

User Response: Verify that the database has been enabled as you expected. If necessary, disable the database.

msgcode: -1013

sqlstate: 38S5D

GSE1014N Spatial Extender was unable to register a column named *schema-name.table-name.column-name* because it is not a spatial column.

Explanation: Either this column does not have a spatial data type, or it does not belong to a local table.

User Response: Define a spatial data type for column *schema-name.table-name.column-name*, or specify a column with a spatial data type as declared type.

msgcode: -1014

sqlstate: 38S5E

GSE1015N A spatial reference system named *srs-name* does not exist.

Explanation: The requested operation cannot be completed successfully because a spatial reference system with the name *srs-name* does not exist.

User Response: Specify an existing spatial reference system and retry the operation.

msgcode: -1015

sqlstate: 38S5F

GSE1016N A spatial reference system whose numeric identifier is *srs-id* does not exist.

Explanation: The requested operation could not be completed successfully because a spatial reference system with the specified numeric identifier *srs-id* does not exist.

User Response: Specify an existing spatial reference system identifier and retry the operation.

msgcode: -1016

sqlstate: 38S5G

GSE1017N A coordinate system named *coordsys-name* already exists.

Explanation: A coordinate system named *coordsys-name* already exists. Another coordinate system with the same name cannot be created.

User Response: Specify a unique name for the new coordinate system.

msgcode: -1017

sqlstate: 38S5H

GSE1018N A coordinate system named *coordsys-name* does not exist.

Explanation: The requested operation cannot be completed successfully because a coordinate system with the name *coordsys-name* does not exist.

User Response: Specify the name of an existing coordinate system.

msgcode: -1018

sqlstate: 38S5I

GSE1019N No values of the spatial coordinate system *coordsys-name* are specified.

Explanation: You attempted to alter the coordinate system *coordsys-name*, but did not specify any new values.

User Response: Specify at least one new value for the coordinate system.

msgcode: -1019

sqlstate: 38S5J

GSE1020N A spatial reference system named *srs-name* already exists.

Explanation: A spatial reference system named *srs-name* already exists. Another spatial reference system with the same name cannot be created.

User Response: Specify a unique name for the spatial reference system to be created and retry the operation.

msgcode: -1020

sqlstate: 38S5K

GSE1021N A spatial reference system named *srs-name* does not exist.

Explanation: The requested operation cannot be completed successfully because a spatial reference system with the name *srs-name* does not exist.

User Response: Specify a name of an existing spatial reference system and retry the operation.

msgcode: -1021

sqlstate: 38S5L

GSE1022N A spatial reference system whose numeric identifier is *srs-id* does not exist.

Explanation: The requested operation cannot be completed successfully because a spatial reference system with the numeric identifier *srs-id* does not exist.

User Response: Specify an existing numeric identifier for the spatial reference system.

msgcode: -1022

sqlstate: 38S5M

GSE1023N A coordinate system whose numeric identifier is *coordsys-id* does not exist.

Explanation: The requested operation cannot be completed successfully because a coordinate system with the numeric identifier *coordsys-id* does not exist.

User Response: Specify an existing numeric identifier for the coordinate system and retry the operation.

msgcode: -1023

sqlstate: 38S5N

GSE1024N No values of the spatial reference system *srs-name* are specified.

Explanation: You attempted to alter the spatial reference system *srs-name*, but did not specify any new values.

User Response: Specify at least one new value for the spatial reference system and then try the operation again.

msgcode: -1024

sqlstate: 38S5O

GSE1025N A geocoder whose function name is *schema-name.function-name* could not be found in the database.

Explanation: The requested operation cannot be completed successfully because Spatial Extender could not locate a function named *schema-name.function-name* for the geocoder.

User Response: Specify a geocoder with an existing function name or create the function, then try the operation again.

msgcode: -1025

sqlstate: 38S5P

GSE1026N The specified number of default parameter values (*number1* values), does not match with the number of default parameter values (*number2* values) that the specified geocoder requires.

Explanation: The specified geocoder could not be registered because you did not specify the complete list for all the parameter values that the geocoder requires.

User Response: Correct the number of default parameter values. Specify a default value for each of the parameters of the geocoder or specify a null value for the default parameter values.

msgcode: -1026

sqlstate: 38S5Q

GSE1027N The specified number of parameter description values (*number1* values) does not match with the number of parameter description values (*number2* values) that the specified geocoder requires.

Explanation: The specified geocoder could not be registered because you did not specify the complete list for all the parameter description values that the geocoder requires.

User Response: Specify a description for each of the parameters of the geocoder, or specify a null value for the parameter descriptions.

msgcode: -1027

sqlstate: 38S5R

GSE1028N A geocoder named *geocoder-name* does not exist.

Explanation: The requested operation cannot be completed successfully because a geocoder with the name *geocoder-name* does not exist.

User Response: Specify an existing geocoder name or register the geocoder with the name that you specified and then try the operation again.

msgcode: -1028

sqlstate: 38S5S

GSE1029N Geocoding has not been set up for a column named *schema-name.table-name.column-name*.

Explanation: The requested operation cannot be completed successfully because geocoding has not been set up for the column named *schema-name.table-name.column-name*.

User Response: Set up geocoding for the specified column, or correct the table schema, table name, and column name.

msgcode: -1029

sqlstate: 38S5T

GSE1030N Auto-geocoding is enabled for column *schema-name.table-name.column-name* and the geocoding setup cannot be removed.

Explanation: Auto-geocoding have been enabled for the column named *schema-name.table-name.column-name*. Therefore, the geocoding setup for this column cannot be removed.

User Response: Disable auto-geocoding for the column.

msgcode: -1030

sqlstate: 38S5U

GSE1031N Auto-geocoding for a column named *schema-name.table-name.column-name* is not enabled.

Explanation: Auto-geocoding has not been enabled for column *schema-name.table-name.column-name*. Therefore, auto-geocoding cannot be disabled for this column.

User Response: Specify a correct column name on which auto-geocoding is enabled.

msgcode: -1031

sqlstate: 38S5V

GSE1032N Auto-geocoding for a column named *schema-name.table-name.column-name* is already enabled.

Explanation: Auto-geocoding has already been enabled for the column named *schema-name.table-name.column-name*. Auto-geocoding cannot be enabled again for this column unless it is disabled first.

User Response: Specify a correct name for a column for which (1) auto_geocoding is not enabled and (2) geocoding is set up.

msgcode: -1032

sqlstate: 38S5W

GSE1033N A geocoder whose numeric identifier is *geocoder-id* does not exist.

Explanation: The requested operation cannot be completed successfully because a geocoder with the numeric identifier *geocoder-id* does not exist.

User Response: Specify an existing numeric identifier for the geocoder, or register a geocoder with numeric identifier *geocoder-id*.

msgcode: -1033

sqlstate: 38S5X

GSE1034N The parameters passed to the stored procedure do not include a parameter *parameter-name*.

Explanation: The SQLDA that was passed to the stored procedure is too small. It does not contain an entry for parameter *parameter-name*.

User Response: Correct the parameters that are being passed to the stored procedure.

msgcode: -1034

sqlstate: 38S5Y

GSE1035N The *parameter-name* parameter, which is being passed to the stored procedure, has an incorrect data type.

Explanation: The data type for parameter *parameter-name* that is passed to the stored procedure is not correct.

User Response: Correct the parameters that are being passed to the stored procedure.

msgcode: -1035

sqlstate: 38S5Z

GSE1036W The operation was successful. But values of certain database manager and database configuration parameters should be increased.

Explanation: The operation was successful, but Spatial Extender needs more database and database manager resources. These resources can be obtained by increasing the values of certain database manager and database configuration parameters.

User Response: Some configuration parameters should be increased. For example, for the database manager configuration, check the UDF_MEM_SZ parameter, and for the database configuration, check the APPLHEAPSZ parameter. Refer to the IBM DB2 UDB Spatial Extender User's Guide and Reference for more details.

msgcode: +1036

sqlstate: 38S60

GSE1037N The definition of the specified coordinate system named *coordsys-name* is invalid.

Explanation: A coordinate system named *coordsys-name* cannot be created because the definition given for it is invalid.

User Response: Specify a correct definition for the coordinate system.

The function ST_EqualCoordsys can be used to

verify the definition by comparing the coordinate system with itself.

msgcode: -1037

sqlstate: 38S61

GSE1038N The WHERE clause specified for the geocoder named *geocoder-name* is invalid. When Spatial Extender attempted to verify the clause, it encountered SQL error *sql-error*.

Explanation: The geocoding that you requested cannot be completed successfully because the where clause that determines which rows are to be geocoded is invalid.

User Response: Specify a syntactically correct WHERE clause.

msgcode: -1038

sqlstate: 38S62

GSE1039N A coordinate system identified by the specified identifier *organization-coordsys-id* in combination with the specified organization *organization* already exists.

Explanation: Your request to create a coordinate system could not be met because the combination of identifiers that you specified for the coordinate system (the name of the organization that defined the system and a number that this organization assigned to it) was not unique. Either these two values must be unique in combination, or they must be null.

User Response: Specify a unique set of values for *organization* and *organization-coordsys-id*, or choose null values for both.

msgcode: -1039

sqlstate: 38S63

GSE1040N A spatial reference system with the numeric identifier *srs-id* already exists.

Explanation: Your request to create a spatial reference system could not be met because the numeric identifier *srs-id* that you assigned to it already identifies another spatial reference system. A spatial reference system's identifier must be unique.

User Response: Specify a unique numeric identifier for the spatial reference system.

msgcode: -1040

sqlstate: 38S64

GSE1041N A coordinate system with the numeric identifier *coordsys-id* already exists.

Explanation: Your request to create a coordinate system could not be met because the numeric identifier *coordsys-id* that you assigned to it already identifies another spatial coordinate system. A spatial coordinate system's identifier must be unique.

User Response: Specify a unique value *coordsys-id* for the coordinate system.

msgcode: -1041

sqlstate: 38S65

GSE1042N A geocoder with the numeric identifier *geocoder-id* already exists.

Explanation: Your request to register a geocoder could not be met because the numeric identifier for the geocoder *geocoder-id* already identifies another geocoder. A geocoder's identifier must be unique.

User Response: Specify a unique value for the numeric geocoder identifier.

msgcode: -1042

sqlstate: 38S66

GSE1043N The specified grid index *schema-name.index-name* already exists.

Explanation: This index already exists. It must be dropped before an index with the same name can be created.

User Response: Specify a name for the index that does not yet exist, or drop the existing index and retry the operation.

msgcode: -1043

sqlstate: 38S67

GSE1044N The specified coordinate system *coordsys-name* cannot be dropped because an existing spatial reference system is based on this coordinate system.

Explanation: At least one spatial reference system exists that is based on the specified coordinate system *coordsys-name*. The coordinate system cannot be dropped.

User Response: Drop all spatial reference systems that are based on the specified coordinate system. Then try to drop the coordinate system again.

msgcode: -1044

sqlstate: 38S68

GSE1045N The specified spatial reference system *srs-name* cannot be dropped because a spatial column is registered with this spatial reference system.

Explanation: At least one spatial column exists that is associated with the specified spatial reference system *srs-name*. The spatial reference system cannot be dropped.

User Response: Unregister all spatial columns that are associated with the specified spatial reference system. Then try to drop the spatial reference system again.

msgcode: -1045

sqlstate: 38S69

GSE1046N The specified geocoder *geocoder-name* cannot be unregistered because it is used in a geocoding setup.

Explanation: At least one geocoding setup exists that uses the specified geocoder *geocoder-name*. The geocoder cannot be unregistered.

User Response: Remove all geocoding setups that use the specified geocoder. Then try to unregister the geocoder again.

msgcode: -1046

sqlstate: 38S6A

GSE2001N Spatial Extender could not perform the operation that you requested.

Explanation: Spatial Extender could not perform the operation that you requested.

User Response: Consult your database administrator.

msgcode: -2001

sqlstate: 38SX0

GSE2002N A database management system error has occurred.

Explanation: A database management system error has occurred.

User Response: Consult your database administrator. If the problem persists, contact IBM Software Support with the information.

msgcode: -2002

sqlstate: 38SX1

GSE2003N The stored procedure that you invoked cannot connect to your workstation.

Explanation: The stored procedure cannot access information that identifies your workstation to it.

User Response: Consult your database administrator. If the problem persists, contact IBM Software Support with the information.

msgcode: -2003

sqlstate: 38SX2

GSE2004N Spatial Extender cannot validate the coordinate system identifier specified in the SDE transfer file that you are importing.

Explanation: Spatial Extender cannot validate the coordinate system identifier specified in the SDE transfer file that you are importing.

User Response: Try one or more of these methods:

- Make sure that the spatial reference system identifier in the SDE transfer file is pointing to the right coordinate system identifier.
- Determine whether the correct coordinate system identifier is listed in the DB2GSE.ST_COORDINATE_SYSTEMS catalog view. If the identifier is not in this view, let your database administrator know.
- Determine whether the SDE transfer file is corrupted. If it is, try to acquire and import an intact copy of it.

msgcode: -2004

sqlstate: 38SX3

GSE2005N Spatial Extender cannot validate the file that you want to export.

Explanation: There can be one or more reasons for this problem. For example, you might not be authorized to access the file. Or Spatial Extender might be unable to find or read it, or to recognize data types of the data within it.

User Response: Try one or more of these methods:

- Make sure that you specify the file's fully-qualified path.
- Make sure that the user id under which you are running the `gse_export_sde` stored procedure has both read and write access to each directory in the path.
- Verify that the disk that contains these directories is mounted on the same node where DB2 runs, and that it uses the same mount point that is specified in the path.
- Verify also that Spatial Extender recognizes the data types of the data that the file contains.

If the error recurs, try to determine whether the file is corrupted. If it is, try to acquire and export an intact copy of the file.

msgcode: -2005

sqlstate: 38SX4

GSE2006N An I/O error for a file named *file-name* has occurred.

Explanation: An I/O error for a file named *file-name* has occurred.

User Response: Verify that the file exists, that you have the appropriate access to the file, and that the file is not in use by another process.

msgcode: -2006

sqlstate: 38SX5

GSE2007N Spatial Extender cannot validate the spatial column into which you want to import data.

Explanation: The name of the column that you want to import data into might be specified incorrectly, or it might not follow standard naming conventions. Similarly, the name of the table to which the column belongs might be specified incorrectly, or it might not follow standard naming conventions.

User Response: Make sure that the registered

spatial column is listed in the `DB2GSE.ST_GEOMETRY_COLUMNS` catalog view, that the names of the column and the table it belongs to are correctly specified, and that these names follow standard naming conventions.

msgcode: -2007

sqlstate: 38SX6

GSE2008N Spatial Extender attempted to insert a null into a registered spatial column that has a NOT NULL constraint.

Explanation: Spatial Extender attempted to insert a null into a registered spatial column that has a NOT NULL constraint.

User Response: Either import the column null data into a spatial column that can accept nulls, or ask your database administrator to remove the NOT NULL constraint.

msgcode: -2008

sqlstate: 38SX7

GSE2009N The specified where clause is invalid.

Explanation: There is a syntax error in the where clause you specified.

User Response: Specify a valid where clause.

msgcode: -2009

sqlstate: 38SX8

GSE2012N Spatial Extender was unable to access the registered spatial column that you want to import data into.

Explanation: The user id under which you want to access the registered spatial column is not authorized to change the column on which the registered spatial column is defined.

User Response: Ask your database administrator to grant you the authorization that you need (for example, you might need the `INSERT` or `SELECT` privilege on the table to

which the column belongs). For more information, refer to IBM DB2 UDB Spatial Extender User's Guide and Reference.

msgcode: -2012

sqlstate: 38SX9

GSE2014N Spatial Extender was unable to import data into the registered spatial column that you specified.

Explanation: Spatial Extender could not locate the registered spatial column that you want to import data into.

User Response: Determine whether the spatial column is listed in the DB2GSE.ST_GEOMETRY_COLUMNS catalog view with an associated spatial reference system. If it is not, use the ST_register_spatial_column stored procedure or the Spatial Columns window in the Control Center to register the spatial column.

msgcode: -2014

sqlstate: 38SXA

GSE2016N Spatial Extender was unable to import the file that you requested to the layer that you specified.

Explanation: The data type of the spatial data that you want to import is incompatible with the data type of the layer for which this spatial data is intended.

User Response: Create a new layer whose data type is compatible with the data type of the spatial data that you want to import. Then import the data to this new layer. Alternatively, import a different file—one whose spatial data is compatible with the layer that you want to populate.

msgcode: -2016

sqlstate: 38SXB

GSE2021N Spatial Extender was unable to access the file that you want to import.

Explanation: There are several possible reasons for this problem. For example, Spatial Extender might not know the full path to the file, or it might not recognize the file's format, or the disk that contains the file might not be mounted properly.

User Response: Be sure to specify the file's complete path. If you do this, and the error recurs, then verify that the file is indeed a shape or SDE file and not another kind of file that was mistakenly specified as a shape or SDE file. If the file is a shape OR SDE file, try one of the following remedies:

- Determine whether the file is corrupted. If it is, attempt to acquire and import an intact copy of the file.
- If you are accessing the file from another workstation, make sure that:
 - The disk that contains the file is mounted.
 - This disk uses the same mount point as specified in the file pathname.
 - The user ID that you are using at the other workstation has read access to the file.

msgcode: -2021

sqlstate: 38SXC

GSE2023N Spatial Extender was unable to import attribute data from the file that you specified.

Explanation: The definition of an attribute column in the file could not be translated into a definition for a corresponding column in the table to which you want to import data.

User Response: Make sure that the data type, maximum length, and other characteristics of this attribute column can be translated into equivalents or counterparts for the attribute column to which you are importing data.

msgcode: -2023

sqlstate: 38SXD

GSE2027N Spatial Extender could not perform the import or export operation that you requested.

Explanation: There is not enough memory to complete the operation. The file that you are importing or exporting might be corrupted, causing an excessive drain on memory.

User Response: Check to ensure that you have sufficient memory. Then, try to import or export the file again. If the error continues to recur, try to determine whether the file is corrupted. If it is, acquire an intact copy of the file, and import or export this copy. If the problem persists, report it to your database administrator.

msgcode: -2027

sqlstate: 38SXE

GSE2030N Spatial Extender was unable to import data to the column that you specified.

Explanation: The spatial column that you specified has not been registered.

User Response: If you want to import SDE data, use the DB2 Control Center or the `gse_import_sde` stored procedure to register the column and import the data.

msgcode: -2030

sqlstate: 38SXF

GSE2031N Spatial Extender was unable to import data into the spatial column that you specified.

Explanation: The table on which the spatial column was defined no longer exists.

User Response: If you want to import SDE data, use the DB2 Control Center or the `gse_import_sde` stored procedure to recreate the table and import the data.

msgcode: -2031

sqlstate: 38SXG

GSE2032N Spatial Extender could not import attribute data.

Explanation: One or more attribute columns specified in the import file do not have counterparts in the table to which you are importing the data.

User Response: Identify the column (or each of the columns) in the import file that has no corresponding column in the table into which the file is to be imported. Then provide the table with the missing column (or columns). Alternatively, you could change the target of the import to be a table and set of columns other than the ones originally intended.

msgcode: -2032

sqlstate: 38SXH

GSE2033N Spatial Extender could not read the complete file that you want to import.

Explanation: The file might be corrupted or truncated.

User Response: Try to import the file again. If the error recurs, try to acquire and import a copy of the file that is not corrupted.

msgcode: -2033

sqlstate: 38SXI

GSE2034N Spatial Extender could not import the SDE transfer file that you requested.

Explanation: The data type of the spatial data that you want to import is incompatible with the data type of the spatial column for which this spatial data is intended.

User Response: Create a new spatial column whose data type is compatible with the data type of the spatial data that you want to import. Then import the data to this new column. Alternatively, import a different SDE transfer file—one whose spatial data is compatible with the column that you want to populate.

msgcode: -2034

sqlstate: 38SXJ

GSE2035N The specified coordinate is out of bounds.

Explanation: Spatial Extender encountered a coordinate that is either too large or too small to fit within the bounds of the coordinate system assigned to the specified layer. This problem might arise if the coordinate system is incompatible with layer data or with its associated spatial reference system. Alternatively, the problem might be due to a corrupted shape or SDE transfer file, or to anomalous data that was inserted into the layer by mistake.

User Response: Verify that you specified the right identifier for the spatial reference system that the specified layer uses. If you did, this system might be incompatible with layer data or with its underlying coordinate system. On the strength of the possibilities, select or create a different spatial reference system for the layer. If the problem recurs, report it to your database administrator.

msgcode: -2035

sqlstate: 38SXX

GSE2100N The number of attribute columns being imported (*input-columns columns*) does not match the number of attribute columns in the target table (*table-columns columns*).

Explanation: If you are importing columns that contain attribute data, you have the choice of either specifying or not specifying which attribute columns are being imported and which columns are in the target table. If you specify these values, this error occurs when the specified number of attribute columns being imported differs from the specified number of columns in the target table. If you do not specify these values, this error occurs when the actual number of columns being imported differs from the actual number of attribute columns in the target table.

User Response: Make sure that the number of

specified or actual attribute columns being imported matches the number of specified or actual columns in the target table.

msgcode: -2100

sqlstate: 38S70

GSE2101N The data type *schema-name.type-name* to be used during import is unknown to DB2.

Explanation: The spatial data type *schema-name.type-name* cannot be used during the import of spatial data because it does not exist in the database.

User Response: Create the data type in the database or use a data type that exists.

msgcode: -2101

sqlstate: 38S71

GSE2102N The table specified for import, *schema-name.table-name*, does not exist.

Explanation: A table named *schema-name.table-name* does not exist in the database. Also, Spatial Extender was not asked to create a table to hold the data that is to be imported. The data was not imported.

User Response: If the table is to be created by Spatial Extender, specify the appropriate flag. Otherwise, create the table and retry the operation.

msgcode: -2102

sqlstate: 38S72

GSE2103N The table specified for import *schema-name.table-name* already exists.

Explanation: Spatial Extender was asked to create a table named *schema-name.table-name* for the imported data, but a table with that name already exists in the database. No data was imported.

User Response: If the table is not to be created by Spatial Extender, do not indicate that the table is to be created. Otherwise, specify the name for a table which does not yet exist in the database.

msgcode: -2103

sqlstate: 38S73

GSE2104N The column *schema-name.table-name.column-name* to import data into does not exist.

Explanation: The column into which you want to import data *column-name* does not exist in the table *schema-name.table-name*. No data can be imported into it.

User Response: Correct the column name or create the column in the table that is to be imported, or correct the table name.

msgcode: -2104

sqlstate: 38S74

GSE2105W The import operation completed successfully but not all records from the file were imported.

Explanation: The import operation completed successfully but not all records from the file were imported. The exception file contains the records that could not be imported, and the messages file the contains information why those records were not imported.

User Response: Consult the messages file for the reason why not all records were imported, correct the problem and repeat the operation with the original file or the exception file.

msgcode: +2105

sqlstate: 38S75

GSE2106N The data type of the column *schema-name.table-name.column-name* is *column-type*, which does not match the expected type *expected-type* for the data to be imported from file.

Explanation: The column *column-name* in the table *schema-name.table-name* to import data into has a declared type *column-type*. *column-type* does not match the type name *expected-type* for the data to be imported from the file. No data can be imported.

User Response: Verify the definition of the table with the structure of the file to be imported.

msgcode: -2106

sqlstate: 38S76

GSE2107N The table to import data into could not be created due to error *sql-error*.

Explanation: Spatial Extender was asked to create a table to import data into, but the table could not be created successfully. DB2 returned *sql-error*.

User Response: Refer to the description of this *sql-error*.

msgcode: -2107

sqlstate: 38S77

GSE2108N The method specification *method* to identify the attribute columns to be imported from the file is not correct.

Explanation: Either no method specification was given or *method* is not a valid method specification. Only 'N' and 'P' are supported method specifications for importing spatial data from a file.

User Response: Correct the method specification and try the method again.

msgcode: -2108

sqlstate: 38S78

GSE2109N A character *found-char* was found when a character *expected-char* was expected.

Explanation: An unexpected character *found-char* was found in the string that identifies the attribute columns to be imported from the file but *expected-char* was expected. The statement cannot be processed successfully.

User Response: Correct the string that identifies the attribute columns to be imported from the file.

msgcode: -2109

sqlstate: 38S79

GSE2110N The column position identifier *position* in the string *string* is invalid.

Explanation: The column position identifier *position* specified in the string starting with *string* is not in the valid range. Only values greater than 0 (zero) and less than or equal to the number of columns in the file to be imported can be specified. The statement cannot be processed successfully.

User Response: Correct the column position identifier.

msgcode: -2110

sqlstate: 38S7A

GSE2111N A column named *dbf-column-name* in the dBASE file is too long.

Explanation: The name of column *dbf-column-name* in the dBASE file (.dbf) exceeds DB2's limit for column names.

User Response: Specify a *dbf-column-name* that does not exceed DB2's length limit.

msgcode: -2111

sqlstate: 38S7B

GSE2112N The column *dbf-column-name* cannot be found in the dBASE file.

Explanation: The name *dbf-column-name* does not identify an existing attribute column in the dBASE file (.dbf). The operation cannot be completed successfully.

User Response: Specify a column name that exists in the dBASE file.

msgcode: -2112

sqlstate: 38S7C

GSE2113N The dBASE file data type *dbf-data-type* for the column *dbf-column-name* in the dBASE file is not supported.

Explanation: The dBASE file data type *dbf-data-type* for the attribute column *dbf-column-name* in the dBASE file (.dbf) cannot be mapped to a data type in the DB2 database. The shape file cannot be imported.

User Response: Exclude the column from the column list.

msgcode: -2113

sqlstate: 38S7D

GSE2114N The column position *position* is out of range. The dBASE file contains *dbf-column-number* columns.

Explanation: The specified column position *position* must be a value within the valid range. A valid value must greater than 0 (zero) and less than or equal to the *dbf-column-number*.

User Response: Specify a valid position.

msgcode: -2114

sqlstate: 38S7E

GSE2115N A spatial reference system whose numeric identifier is *srs-id* does not exist.

Explanation: A spatial reference system whose numeric identifier is *srs-id* does not exist. The data cannot be imported.

User Response: Either specify an existing spatial reference system, or create the spatial reference system before attempting the import operation.

msgcode: -2115

sqlstate: 38S7F

GSE2116N The coordinate system definition *coordsys-def* is too long.

Explanation: The coordinate system definition *coordsys-def* used for the spatial data to be imported is too long. It could not be verified with the coordinate system that underlies the spatial reference system that is to be used for the imported data.

User Response: Verify that the coordinate system defined in the projection file (.prj) is correct. To skip the verification step, do not supply the projection file.

msgcode: -2116

sqlstate: 38S7G

GSE2117N The coordinate system definition *coordsys-def* does not match the coordinate system definition on which the spatial reference system *srs-id* is based.

Explanation: The coordinate system *coordsys-def* does not match the coordinate system on which the spatial reference system *srs-id* is based. Both coordinate systems must be semantically identical.

User Response: Verify that the coordinate system defined in the projection file (.prj) matches the coordinate system of the spatial reference system. To skip the verification step, do not supply the projection file.

msgcode: -2117

sqlstate: 38S7H

GSE2118N The spatial data does not fit into the spatial reference system with the numeric identifier *srs-id*.

Explanation: The spatial data covers an area that exceeds the minimum and maximum coordinates of the spatial reference system with the numeric identifier *srs-id*.

User Response: Specify a spatial reference system which may fully contain the spatial data to be imported. Refer to the DB2GSE.ST_SPATIAL_REFERENCE_SYSTEMS catalog view for the minimum and maximum coordinate values applicable for the spatial reference system.

msgcode: -2118

sqlstate: 38S7I

GSE2119N The imported data's spatial reference system, whose numeric identifier is *srs-id1*, does not match the target column's spatial reference system, whose numeric identifier is *srs-id2*. The target column's name is *schema-name.table-name.column-name*.

Explanation: The spatial column *schema-name.table-name.column-name* was registered with a spatial reference system *srs-id2* assigned to it. This spatial reference system does not match the spatial reference system *srs-id1*, which is used for the spatial data to be imported into that column. The data cannot be imported.

User Response: Either unregister the spatial column, or specify the same spatial reference system for the data to be imported that the column uses.

msgcode: -2119

sqlstate: 38S7J

GSE2120N No data was imported.

Explanation: None of the shape data could be imported. All rows were rejected and written to the exception file.

User Response: Consult the message file for the reasons why all the spatial data was rejected.

msgcode: -2120

sqlstate: 38S7K

GSE2121N The value *restart-count* specifying the record to restart the operation is out of range. The shape file contains *record-count* records.

Explanation: The specified restartCount *restart-count* must be a greater than or equal to 0 (zero), and less than or equal to *record-count*.

User Response: Specify a valid number for restartCount, or specify a null value for the resartCount.

msgcode: -2121

sqlstate: 38S7L

GSE2122N The SQL statement used to import the shape data does not fit into the internal buffer.

Explanation: The SQL statement used to import the shape data into the table does not fit into the internal buffer. A possible reason for this might be too many columns are in the file.

User Response: Import a smaller set of the attribute columns in the shape file.

msgcode: -2122

sqlstate: 38S7M

GSE2123N A buffer to hold the data for *row-count* rows cannot be allocated.

Explanation: Spatial Extender tried to use a single INSERT statement to import at least *row-count* rows, but a buffer to hold the data for

these rows could not be allocated. Too much memory was required.

User Response: Specify a commit count for the import that is less than *row-count*. Or, specify a smaller set of columns to be imported. This will reduce the amount of memory required.

msgcode: -2123

sqlstate: 38S7N

GSE2124N An invalid type identifier *type-id* was found in the header of the shape file to be imported.

Explanation: The data in the shape file does not appear to have a valid spatial data type. The shape file is possibly corrupted. The data was not imported.

User Response: Verify that the shape file is valid.

msgcode: -2124

sqlstate: 38S7O

GSE2125N A column in the shape file has an unsupported data type *type*.

Explanation: The shape file contains a column whose data type is not supported by Spatial Extender. The shape file could not be imported.

User Response: Import only a smaller set of the columns of the shape file and omit the column with the unsupported data type.

msgcode: -2125

sqlstate: 38S7P

GSE2126N The header of the shape file *shape-file* is invalid.

Explanation: The header of the shape file *shape-file* is invalid. The shape file cannot be imported.

The extension of the file name *shape-file* indicates in which part of the shape file the error was encountered. The file extensions include:

.shp main file

.shx index file
.dbf dBASE file
.pri projection file

User Response: Verify and correct the header of the shape file.

msgcode: -2126

sqlstate: 38S7Q

GSE2127N The offset *offset* for the record *record-number* in the shape index file *shx-file* is invalid.

Explanation: The offset *offset* for the record *record-number* in the index file (.shx) *shx-file* is invalid. The offset must be greater than or equal to 50 and less than the total length of the main file (.shp) of the shape file. The offset is measured in 16 bit words.

User Response: Verify and correct the shape file.

msgcode: -2127

sqlstate: 38S7R

GSE2128N The length of the shape in record *record-number* of the shape index file *shx-file* is too short.

Explanation: The length of the shape in record *record-number* found in the shape index file *shx-file* is too short. Each shape must consist of at least 4 bytes (two 16 bit words).

User Response: Verify and correct the shape file.

msgcode: -2128

sqlstate: 38S7S

GSE2129N Spatial Extender found an incorrect record number *record-number* in the shape file *shp-file* when expecting record number *expected-number*.

Explanation: Spatial Extender found an incorrect record number *record-number* in the

shape file *shp-file* when expecting record number *expected-number*.

User Response: Verify and correct the shape file.

msgcode: -2129

sqlstate: 38S7T

GSE2130N The size of the shape data *record-size* indicated in the shape file *shp-file* does not match the size indicated in the shape index file *index-size*.

Explanation: The size of the shape data *record-size* indicated in the shape file *shp-file* does not match the size indicated in the shape index file *index-size*.

The main file of the shape file (.shp) is not consistent with the index file (.shx) and cannot be processed further.

User Response: Verify and correct the shape file.

msgcode: -2130

sqlstate: 38S7U

GSE2131N The data for record *record-number* in the dBASE file *dbf-file* is invalid.

Explanation: The data for record *record-number* in the dBASE file *dbf-file* that contains the attribute information associated with the geometries in the shape file is invalid.

Possible explanations are:

- The first byte of the record is neither an asterisk (*) nor a space (' ').
- The sum of all lengths of the columns in the dBASE file (.dbf) must be equal to the record size indicated in the header of the file.

User Response: Verify and correct the dBASE file.

msgcode: -2131

sqlstate: 38S7V

GSE2132N The data in shape file *shape-file* is invalid.

Explanation: The data in shape file *shape-file* is corrupted. This shape file cannot be imported.

The file name *shape-file* indicates in which part of the shape file the error was encountered.

User Response: Verify and correct the shape file.

msgcode: -2132

sqlstate: 38S7W

GSE2133N The import operation failed because the column *schema-name.table-name.column-name* is not nullable.

Explanation: The definition of the column *column-name* in the existing table *schema-name.table-name* indicates that the column may not contain nulls. The column is not included in the list of columns to be imported and DB2 would not produce the values for that column by any other means like default values, a generated column definition or any triggers.

The import operation cannot be completed successfully.

User Response: Include the column in the list of columns to be imported, identify the column as id-column, or define an alternate way for DB2 to generate the values for that column during the import operation.

msgcode: -2133

sqlstate: 38S7X

GSE2200N The results from the SELECT statement did not include any spatial column.

Explanation: The specified SELECT statement for export operations must reference exactly one spatial column. No data can be exported.

User Response: Correct the SELECT statement so that it references exactly one spatial column.

msgcode: -2200

sqlstate: 38S90

GSE2201N The results from the SELECT statement included more than one spatial column.

Explanation: The specified SELECT statement for export operations must specify exactly one spatial column. No data can be exported.

User Response: Correct the SELECT statement so that it references exactly one spatial column.

msgcode: -2201

sqlstate: 38S91

GSE2202N The SQL data type *data-type* for column *column-number* in the fullselect describing the data to be exported is not supported for shape files.

Explanation: The SQL data type *data-type* for column *column-number* in the fullselect describing the data to be exported is not supported for shape files. No data can be exported.

User Response: Do not specify a column with the unsupported type in the SELECT statement for the export shape operation. You can use the DESCRIBE command to verify the data types for all columns in the result of the SELECT statement.

msgcode: -2202

sqlstate: 38S92

GSE2203N The data in column *column-number* has a length of *length*, which is too long to be exported to a shape file.

Explanation: The data in column *column-number* has a length of *length*, which is too long to be exported to a shape file.

User Response: Change the length of the column to be shorter than 256 bytes. You can use DB2's cast functions to shorten the length of the column.

msgcode: -2203

sqlstate: 38S93

GSE2204N The column name *column-name* exceeds the limit of 11 characters for dBASE files.

Explanation: The column name *column-name* exceeds the restriction of 11 bytes for dBASE files. No data is exported.

User Response: Specify a column name with 11 or less bytes for the attribute data to be exported to the dBASE file (.dbf).

msgcode: -2204

sqlstate: 38S94

GSE2205W DB2 returned a SQL warning *sql-warning* when Spatial Extender fetched the data to be exported.

Explanation: DB2 returned a SQL warning *sql-warning* when Spatial Extender fetched the data to be exported. The warning was ignored and the data exported.

User Response: Refer to the description of *sql-warning*. If the warning is not acceptable, correct the source of the warning and export the data again.

msgcode: +2205

sqlstate: 38S95

GSE2206W No data was exported.

Explanation: The SELECT statement specified for the export did not retrieve any rows. No data was exported.

User Response: Specify a SELECT statement that returns at least one row to be exported.

msgcode: +2206

sqlstate: 38S96

GSE2207W Not all rows referenced by the SELECT statement were exported.

Explanation: The SELECT statement identified more rows than were exported. This error can

occur if an error is encountered during the export and the operation is terminated.

User Response: Consult the message file.

msgcode: +2207

sqlstate: 38S97

GSE2208N In row *row-number*, a geometry to be exported is associated with a spatial reference system whose numeric identifier is *srs-id1*. This identifier does not match the numeric identifier *srs-id2* of the spatial reference system used for geometries in the preceding rows.

Explanation: In row *row-number*, a geometry to be exported is associated with a spatial reference system whose numeric identifier is *srs-id1*. This identifier does not match the numeric identifier *srs-id2* of the spatial reference system used for geometries in the preceding rows. The row *row-number* was not exported.

User Response: Verify that all geometries to be exported have the same spatial reference system identifier. If not, use the ST_Transform method in the SELECT statement to convert all geometries to the same spatial reference system.

msgcode: -2208

sqlstate: 38S98

GSE2209N The geometry in row *row-number* to be exported is a null value.

Explanation: The notion of null values is not supported by the data in the file to which you want to export geometries. The geometry to be exported in row *row-number* is a null value and cannot be exported.

User Response: Exclude rows with geometries that are null values from the export by modifying the SELECT statement accordingly.

msgcode: -2209

sqlstate: 38S99

GSE2210N The spatial reference system for the geometry in row *row-number* is invalid. This spatial reference system's numerical identifier is *srs-id*.

Explanation: In row *row-number*, the geometry that is to be exported uses an invalid spatial reference system. The geometry cannot be exported.

User Response: Correct the indicated geometry or exclude the row from the export operation by modifying the SELECT statement accordingly.

msgcode: -2210

sqlstate: 38S9A

GSE2211N The spatial data to be exported is associated with a spatial reference system whose numeric identifier is *srs-id*. The coordinate system on which this spatial reference system is based does not match the coordinate system definition *coordsys-def* for the file to which the exported data is to be appended.

Explanation: The spatial data to be exported is associated with a spatial reference system whose numeric identifier is *srs-id*. The coordinate system on which this spatial reference system is based does not match the coordinate system *coordsys-def* for the file to which the exported data is to be appended. No data was exported.

User Response: Append the data to a file which has a matching coordinate system, transform the spatial data to the corresponding coordinate system, or export the data to a separate file.

msgcode: -2211

sqlstate: 38S9B

GSE2212N The attribute data does not match the dBASE file.

Explanation: The specified SELECT statement for the export operation produces attribute data that does not match the dBASE file (.dbf).

The attribute data from the SELECT statement for the export operation cannot be appended to the dBASE file. Possible causes are:

- The number of columns do not match.
- The data type of column does not match.
- The attribute column name does not match.

User Response: Either correct the SELECT statement, or do not append to the specified dBASE file.

msgcode: -2212

sqlstate: 38S9C

GSE2213W The geometry to be exported to the file in row *row-number* is a null value.

Explanation: The geometry to be exported to the file in row *row-number* is a null value. The row was not exported.

User Response: Modify the SELECT statement to exclude geometries that have null values.

msgcode: +2213

sqlstate: 38S9D

GSE2214W Not enough memory is available to export the geometry in row *row-number*.

Explanation: Not enough memory is available to export the geometry in row *row-number*. The row was not exported, but the exporting operation continued.

User Response: Provide more memory, or modify the SELECT statement to exclude the geometry from that row.

msgcode: +2214

sqlstate: 38S9E

GSE2215N The geometry to be appended to the shape file as number *record-number* has a shape type *geometry-shape-type* which does not match the type in the shape file *file-shape-type*.

Explanation: The geometry to be appended to the shape file as number *record-number* has an shape type *geometry-shape-type* which does not match the type in the shape file *file-shape-type*. The geometry cannot be exported to that file.

Possible shape types are:

- 0 Empty geometry.
- 1 Point without Z coordinates and measures.
- 3 Linestring or multilinestring without Z coordinates and measures.
- 5 Polygon or multipolygon without Z coordinates and measures.
- 8 Multipoint without Z coordinates and measures.
- 9 Point with Z coordinate and no measures.
- 10 Linestring or multilinestring with Z coordinates and no measures.
- 11 Point with Z coordinate and measure.
- 13 Linestring or multilinestring with Z coordinates and measures.
- 15 Polygon or multipolygon with Z coordinates and measures.
- 18 Multipoint with Z coordinates and measures.
- 19 Polygon or multipolygon with Z coordinates and no measures.
- 20 Multipoint with Z coordinates and no measures.
- 21 Point with measure and no Z coordinates.
- 23 Linestring or multilinestring with measures and no Z coordinates.

25 Polygon or multipolygon with measures and no Z coordinates.

28 Multipoint with measures and no Z coordinates.

User Response: Convert the geometry to the correct type, or export it to another shape file.

msgcode: -2215

sqlstate: 38S9F

GSE2216N The shape data to be exported is invalid.

Explanation: Before Spatial Extender exports geometries to a shape file, it converts them into shape data. This error was returned because the shape data into which a geometry was converted is invalid. The geometry was not exported.

Possible explanations are:

- The shape data has an odd number of bytes.
- The shape data is too short to contain all information.
- An unknown shape indication was returned.
- The information about the minimum bounding rectangle is not consistent with the type indication.

User Response: Contact IBM Software Support.

msgcode: -2216

sqlstate: 38S9G

GSE2299N The shape file *file-name* has an invalid file size.

Explanation: Shape file *file-name* has an invalid file size. Shape files have a file size that is a multiple of 16-bit words. Therefore, their size is always even. The shape file might be corrupt. It cannot be used.

User Response: Verify and correct the shape file.

msgcode: -2299

sqlstate: 38S9H

GSE3000N Null SRS identifier.

Explanation: A null value was passed to the function or method instead of a numeric spatial reference system identifier.

User Response: Specify a numeric spatial reference system identifier for an existing spatial reference system. Refer to the Spatial Extender catalog view `DB2GSE.ST_SPATIAL_REFERENCE_SYSTEMS` for the defined spatial reference systems.

msgcode: -3000

sqlstate: 38SU0

GSE3001N Invalid SRS identifier *srs-id*.

Explanation: The spatial reference system identifier *srs-id* that was provided to the spatial function or method does not identify an existing spatial reference system.

User Response: Specify an existing numeric spatial reference system identifier that is defined in the Spatial Extender catalog view `DB2GSE.ST_SPATIAL_REFERENCE_SYSTEMS`, or create a spatial reference system that is identified by *srs-id*.

msgcode: -3001

sqlstate: 38SU1

GSE3002N Null unit name.

Explanation: A null was specified as a unit of measure. The specification for a unit of measure must be the unit itself (for example, "meter"). It cannot be a null.

User Response: Either omit the unit of measure when calling the spatial function or method, or specify an existing unit of measure. Consult the Spatial Extender catalog view `DB2GSE.ST_UNITS_OF_MEASURE` for supported units.

msgcode: -3002

sqlstate: 38SU2

GSE3003N Unknown unit *unit-name*.

Explanation: The unit *unit-name* that was provided to the spatial function or method does not identify an existing unit of measure.

User Response: Either omit the unit of measure when calling the spatial function or method, or specify an existing unit of measure. Consult the Spatial Extender catalog view `DB2GSE.ST_UNITS_OF_MEASURE` for supported units.

msgcode: -3003

sqlstate: 38SU3

GSE3004N Unsupported conversion to unit *unit-name*.

Explanation: The conversion to the unit *unit-name* is not supported.

The functions `ST_Area`, `ST_Buffer`, `ST_Length`, and `ST_Perimeter` cannot accept a linear unit of measure if the given geometry is not in a projected coordinate system.

User Response: Use one of the following methods:

- Omit the unit of measure when calling the spatial function or method.
- Specify an angular unit of measure.
- Project the geometry into a projected coordinate system using the `ST_Transform` function. Consult the Spatial Extender catalog view `DB2GSE.ST_SPATIAL_REFERENCE_SYSTEMS` for applicable spatial reference system.

msgcode: -3004

sqlstate: 38SU4

GSE3005N No unit in SRS.

Explanation: The spatial reference system for the geometry does not have an associated linear or angular unit. The operation cannot be performed in the requested unit of measure.

User Response: Either represent the geometry

in a correct spatial reference system, which does have an associated linear or angular unit of measure, or omit the unit parameter when you request the operation.

msgcode: -3005

sqlstate: 38SU5

GSE3006N Invalid internal type id.

Explanation: The internal data type identifier for this geometry is a null value and therefore invalid.

This error can occur if the internal representation of the geometry is corrupted, or if the geometry was not constructed by one of the supported constructor functions or methods.

User Response: Construct the geometry again by using one of the supported constructor functions or methods.

msgcode: -3006

sqlstate: 38SU6

GSE3007N Unknown internal type id *type-id*.

Explanation: The value of the internal type identifier *type-id* for the geometry is not valid.

This error can occur if the internal representation of the geometry is corrupted, or if the geometry was not constructed by one of the supported constructor functions or methods.

User Response: Construct the geometry again by using one of the supported constructor functions or methods.

msgcode: -3007

sqlstate: 38SU7

GSE3008N Internal type id mismatch (*type-id1*, *type-id2*).

Explanation: A mismatch of internal data type identifiers was found. Spatial Extender expected to retrieve a geometry whose internal data type identifier is *type-id2*, but instead retrieved a

geometry whose internal data type identifier is *type-id1*.

This error can occur if the internal representation of the geometry is corrupted, or if the geometry was not constructed by one of the supported constructor functions or methods.

User Response: Construct the geometry again by using one of the supported constructor functions or methods.

msgcode: -3008

sqlstate: 38SU8

GSE3009W Invalid part number *part-number*.

Explanation: The specified part number *part-number* is not valid. A null value was returned.

User Response: If the geometry is not empty, then specify a valid part number, which should be greater than 0 (zero) and less than or equal to the maximum number of parts in the geometry collection.

You can use the ST_NumGeometries function to determine the number of parts of the geometry collection.

If the geometry is empty, the method should not be applied.

msgcode: +3009

sqlstate: 01HS0

GSE3010W Invalid ring number *ring-number*.

Explanation: The specified number *ring-number* for an internal ring is not valid. A null value was returned.

User Response: If the polygon value is not empty, then specify a valid ring number, which should be greater than or equal to 1 (one) and less than or equal to the maximum number of interior rings in the polygon.

If the polygon is empty, the function or method should not be applied. You can use the function ST_NumInteriorRings to determine the number of interior rings of the polygon.

msgcode: +3010

sqlstate: 01HS1

GSE3011W Invalid point number
point-number.

Explanation: The specified point number *point-number* is not valid. A null value was returned.

User Response: If the curve value is not empty, then specify a valid point number, which should be greater than 0 (zero) and less than or equal to the maximum number of points in the curve. If the curve is empty, the function or method should not be applied.

You can use the ST_NumPoints function to determine the number of points used to define the curve.

msgcode: +3011

sqlstate: 01HS2

GSE3012N Invalid DE9-IM matrix.

Explanation: The intersection matrix *matrix* specified for the ST_Relate function is not valid. The matrix must be exactly 9 characters long, and each character in the matrix must be one of the following: 'T', 'F', '0', '1', '2', or '*'.

User Response: Specify a valid intersection matrix.

msgcode: -3012

sqlstate: 38SU9

GSE3013N Exterior ring is no ring.

Explanation: The linestring that is to serve as the new exterior ring for the polygon is not a ring. To be a ring, the linestring must be both simple and closed. One or both of these two conditions is not met.

User Response: Specify a simple and closed linestring for the new exterior ring of the polygon.

msgcode: -3013

sqlstate: 38SUA

GSE3014N Interior ring is no ring.

Explanation: The linestring that is to serve as a new interior ring for the polygon is not a ring. To be a ring, the linestring must be both simple and closed. At least one of these two conditions is not met.

User Response: Specify a simple and closed linestring for the new interior ring of the polygon.

msgcode: -3014

sqlstate: 38SUB

GSE3015N Transformation to SRS *srs-id* failed. rc = reason-code.

Explanation: The geometry could not be transformed from the spatial reference system it is represented into the spatial reference system with the numeric identifier *srs-id*. The transform failed with reason code *reason-code*.

The reason codes have the following meanings:

- 2008 The geometry is invalid.
- 2018 Not enough memory is available to successfully complete the transformation.
- 2020 The spatial reference systems are not compatible. Both spatial reference systems must be based directly or indirectly on the same geographic coordinate system.
- 2021 One or more points of the resulting geometry would be outside the maximum possible extent for the new spatial reference system. The resulting geometry cannot be represented in the new spatial reference system.
- 2025 The definition of the new spatial reference system is not valid.
- 2026 An internal error occurred during the projection of the geometry.

User Response: Represent the geometry in a

spatial reference system that can be transformed into the spatial reference system identified by *srs-id*, or specify a different spatial reference system identifier to transform the geometry into.

msgcode: -3015

sqlstate: 38SUC

GSE3016N **Unsupported cast** *type-id1, type-id2*.

Explanation: The attempted cast operation from the data type with the internal type identifier *type-id1* to the data type with the internal type identifier *type-id2* is not supported. The geometry cannot be processed further.

User Response: Specify a supported cast operation. For more information, refer to the IBM DB2 UDB User's Guide and Reference for the supported cast functions.

msgcode: -3016

sqlstate: 38SUD

GSE3017N **XSLT path too long.**

Explanation: The path to the style sheet file GmlToWkt.xsl is too long. The absolute path to open the file cannot be constructed.

User Response: Choose a shorter path for the DB2 instance. On Unix systems, symbolic links can be used to shorten the path name.

msgcode: -3017

sqlstate: 38SUE

GSE3018N **XML Extender not available.**

Explanation: IBM DB2 UDB XML Extender is required to process a geometry in Geographic Markup Language (GML) representation. The geometry cannot be constructed successfully.

User Response: Install IBM DB2 UDB XML Extender or provide the geometry information in well-known text representation.

msgcode: -3018

sqlstate: 38SUF

GSE3019N **XSLTransform failed** (*sqlstate*).

Explanation: DB2 XML Extender's function XSLTransform could not convert the representation of the geometry encoded in Geographic Markup Language (GML) to a well-known text representation (WKT). The function returned with SQLSTATE *sqlstate*. The geometry cannot be constructed successfully.

User Response: Verify the GML representation of the geometry. If the GML representation is valid, refer to the SQLSTATE for the XSLTransform function from DB2 XML Extender.

msgcode: -3019

sqlstate: 38SUG

GSE3020N **Invalid Z coordinate and measure combination.**

Explanation: The geometries that are to be processed by the function or method are not represented using the same dimensions with respect to their Z coordinates and measures.

All the geometries must either contain Z coordinates or contain no Z coordinates. All the geometries must either contain measures or contain no measures.

User Response: Provide geometries to the function or method that are represented using the same dimensions with respect to their Z coordinates and measures.

msgcode: -3020

sqlstate: 38SUH

GSE3021N **Locator failure. Reason code**
=reason-code.

Explanation: An internal error occurred when a spatial function or method operated on a LOB locator. The reason code *reason-code* was returned by a locator function.

User Response: Refer to the DB2 Application Development Guide to determine the meaning of *reason-code* returned from the LOB locator operation and correct the problem. If the problem persists, contact IBM Software Support.

msgcode: -3021

sqlstate: 38SUI

GSE3022N Representation too long
(*append-length vs. written-length bytes*).

Explanation: The representation of the geometry in Geographic Markup Language (GML), well-known text (WKT), well-known binary (WKB), or the shape representation would be too long. From *append-length* bytes, only *written-length* bytes could be appended to the encoding. A representation of the geometry cannot be created.

User Response: Simplify the geometry by omitting points that are not essential for the geometry. You can use the ST_Generalize function for this procedure. Alternatively, break down the geometry into several smaller geometries.

msgcode: -3022

sqlstate: 38SUJ

GSE3023N Representation too short (*length bytes*).

Explanation: The representation of the geometry in well-known binary (WKB) representation or the shape representation is only *length* bytes long. It needs to be at least 4 bytes long and it must also be long enough to contain all of the geometry points.

User Response: Provide a valid well-known binary representation or shape representation to the function or method.

msgcode: -3023

sqlstate: 38SUK

GSE3024N Internal geometry too short.

Explanation: The internal representation of the geometry is too short. It could not be processed further.

This error can occur if the internal representation of the geometry is corrupted, or if the geometry

was not constructed by one of the supported constructor functions or methods.

User Response: Construct the geometry again using one of the supported constructor functions or methods.

msgcode: -3024

sqlstate: 38SUL

GSE3025N Geometry inconsistent.

Explanation: The geometry value is inconsistent and cannot be processed any further.

User Response: Recreate the geometry from a valid binary or text representation.

msgcode: -3025

sqlstate: 38SUM

GSE3026N Inconsistent no. of points
(*indicated-number vs. data-number*).

Explanation: An internal parameter of the geometry indicates that the geometry data contains *indicated-number* points. But the actual geometry data contains *data-number* points. Because of this inconsistency, the geometry will not be used further in the processing.

This error can occur if the internal representation of the geometry is corrupted, or if the geometry was not constructed by one of the supported constructor functions or methods.

User Response: Recreate the geometry using the functions or methods supported by Spatial Extender.

msgcode: -3026

sqlstate: 38SUN

GSE3027N Point is empty.

Explanation: It is invalid to specify an X coordinate, Y coordinate, Z coordinate, or measure for an empty point.

If the point is constructed by the constructor function ST_Point, the point's X and Y coordinates must both be null. Furthermore, no Z

coordinate or measure should be specified unless it is a null value.

If the mutators ST_X, ST_Y, ST_Z, or ST_M are used to modify an empty point, the point's X and Y coordinates must both be null. No Z coordinate or measure should be specified unless it is null.

User Response: Use mutators ST_X, ST_Y, ST_Z, or ST_M to modify points that are not empty, or construct the point by specifying both X and Y coordinates with values that are not null.

msgcode: -3027

sqlstate: 38SUO

GSE3028N Inconsistent coordinates.

Explanation: If a new point is constructed, both the X and Y coordinates must be specified. Both coordinates must be either null or not null.

If both coordinate values are null, the resulting point will be empty. In that case, no Z coordinate or measure should be specified unless it is null.

User Response: Specify null values for both the X and Y coordinates, or specify values that are not null for both coordinates.

msgcode: -3028

sqlstate: 38SUP

GSE3029N Invalid byte order *byte-order*.

Explanation: The byte order in the binary representation of the geometry must be either 0 (zero) or 1 (one), but it is *byte-order*.

In the well-known binary representation, a byte order of 0 (zero) indicates big endian format, and a byte order of 1 (one) indicates little endian format.

User Response: Correct the byte order in the binary representation so that it is either 0 (zero) or 1 (one).

msgcode: -3029

sqlstate: 38SUQ

GSE3030N Invalid number of points *num-points* in geometry.

Explanation: The geometry has an invalid number of points *num-points*. This number must be greater than or equal to 0 (zero).

If the geometry is not empty, then the following conditions must be met:

point The geometry must have exactly one point.

linestring The geometry must have 2 or more points defining it.

polygon The geometry must have 3 or more points defining it.

User Response: Construct the geometry by using the functions or methods supported by Spatial Extender.

msgcode: -3030

sqlstate: 38SUR

GSE3031N Invalid extent (*min-coord* vs. *max-coord*) in geometry.

Explanation: The extent of the geometry in one of the dimensions is invalid. The minimum coordinate *min-coord* must be less than or equal to the maximum coordinate *max-coord* for all dimensions of the geometry.

User Response: Construct the geometry by using the functions or methods supported by Spatial Extender.

msgcode: -3031

sqlstate: 38SUS

GSE3032N Aggregation failure.

Explanation: A mismatch between internal identifiers was encountered for the computation of a spatial aggregate.

Aggregate functions are not supported if used in any of the following situations:

- In the partitioned environment.

- A GROUP BY clause is used in the query that contains the spatial aggregate.
- Any function other than the DB2 aggregate function MAX is used.
- The aggregate function is not used in the correct context.

User Response: Make sure that you use the aggregate function in a way that is supported by Spatial Extender.

msgcode: -3032

sqlstate: 38SUT

GSE3033N Invalid binary data (type ids *type-id1*, *type-id2*).

Explanation: A binary representation that is passed as input to this spatial function or method has to represent a geometry whose data type identifier is *type-id2*. But the representation that was actually passed to the function or method represents a geometry whose data type identifier is *type-id1*. No geometry could be constructed.

User Response: Either call the correct function or method which constructs geometries of type *type-id2* or correct the binary representation to represent a geometry of *type-id1*.

msgcode: -3033

sqlstate: 38SUU

GSE3034N Invalid text data (type ids *type-id1*, *type-id2*).

Explanation: A text representation that is passed as input to this spatial function or method has to represent a geometry whose data type identifier is *type-id2*. But the representation that was actually passed to the function or method represents a geometry whose data type identifier is *type-id1*. No geometry could be constructed.

User Response: Either call the correct function or method which constructs geometries of type *type-id1* or correct the text representation to represent a geometry of *type-id2*.

msgcode: -3034

sqlstate: 38SUV

GSE3035W Curve not changed.

Explanation: The curve was not changed because the specified point to be appended to the curve was empty.

User Response: Append a point that is not empty to the curve.

msgcode: +3035

sqlstate: 01HS3

GSE3036W Geometry not accurate.

Explanation: The resulting geometry could not be represented accurately in the spatial reference system. One of the scale factors is too small and does not allow for a high enough precision to represent each point that defines the resulting geometry.

For example, consider a linestring with a well-known text representation of 'linestring m (10 10 8, 10 11 12)' represented in a spatial reference system that includes a scale factor of 1 (one) for X coordinates and a scale factor of 1 (one) also for Y coordinates. If the function ST_MeasureBetween is applied to that linestring, and the upper and lower bounds for the measures are 9 and 10, respectively, the resulting linestring, represented in its well-known text representation, would have to be 'linestring m (10 10.25 9, 10 10.50 10)'. However, the scale factor of 1 (one) for the Y coordinates prevents the representation of fractions. The coordinates 10.25 and 10.50 cannot be represented without rounding that would produce an incorrect result. Such coordinates will be removed from the geometry.

User Response: Represent the geometry in a spatial reference system that uses larger scale factors. Alternatively, choose different parameters that influence the resulting geometry.

msgcode: +3036

sqlstate: 01HS4

GSE3037N Invalid Geographic Markup Language (GML).

Explanation: An invalid GML representation was entered as input for the function that you invoked to construct a geometry from it.

User Response: Correct the GML representation, and invoke the function again. To determine the proper format for the GML representation, refer to the IBM DB2 UDB Spatial Extender User's Guide and Reference.

msgcode: -3037

sqlstate: 38SUW

GSE3300N Invalid grid size *grid-size-number*.

Explanation: The grid size identified by its position *grid-size-number* is invalid. One of the following invalid specifications was made when the grid index was created with the CREATE INDEX statement:

- A number less than 0 (zero) was specified as the grid size for the first, second, or third grid level.
- 0 (zero) was specified as the grid size for the first grid level.
- The grid size specified for the second grid level is less than the grid size of the first grid level but it is not 0 (zero).
- The grid size specified for the third grid level is less than the grid size of the second grid level but it is not 0 (zero).
- The grid size specified for the third grid level is greater than 0 (zero) but the grid size specified for the second grid level is 0 (zero).

The function ST_GetIndexParms can be used to retrieve the values used for the parameters specified when the index was created.

User Response: Drop the grid index and create a new grid index using valid grid sizes only.

msgcode: -3300

sqlstate: 38SI0

GSE3301N Invalid z-order parameter *parameter-number*.

Explanation: The parameter identified by its position *parameter-number* for a Z-Order index contains an invalid value. One of the following invalid specifications was made in the CREATE INDEX statement that was used to create the index to which the geometry is to be added:

- A null value was specified for the parameter.
- A negative number was specified for a scale factor (this rule applies to parameter numbers 2 and 4 only).

The function ST_GetIndexParms can be used to retrieve the values used for the parameters specified when the index was created.

User Response: Drop the spatial z-order index and create a new index using only valid parameters.

msgcode: -3301

sqlstate: 38SI1

GSE3302N No point to be indexed.

Explanation: The geometry to be indexed using a Z-Order index is not a point. The Z-Order index supports only points, and the index entry cannot be generated.

User Response: Do not insert a geometry that is not a point into a column that has a Z-Order index defined on it. Either drop the index or do not insert the geometry.

msgcode: -3302

sqlstate: 38SI2

GSE3303N Invalid quad tree parameter *parameter-number*.

Explanation: An invalid parameter was specified when the quad tree index was created. The parameter is identified by its position *grid-size-number*.

One of the following invalid specifications was made:

- A null value was specified for the parameter.
- A negative number was specified for a scale factor (this rule applies to parameter numbers 3 and 5 only).
- A value less than 1 (one) was specified for the first parameter.

The function `ST_GetIndexParms` can be used to retrieve the values used for the parameters specified when the index was created.

User Response: Drop the spatial quad tree index and create a new index using only valid parameters.

msgcode: -3303

sqlstate: 38SI3

GSE3400C **Unknown error** *error-code*.

Explanation: An internal error with code *error-code* was encountered when a geometry was processed.

User Response: Note the error and contact IBM Software Support.

msgcode: -3400

sqlstate: 38SS0

GSE3401N **Invalid WKT.**

Explanation: An invalid well-known text representation was entered as input for the function that you invoked to construct a geometry from it.

User Response: Correct the well-known text representation, and invoke the function again. To determine the proper format for well-known text representation, refer to the IBM DB2 UDB Spatial Extender User's Guide and Reference.

msgcode: -3401

sqlstate: 38SS1

GSE3402C **Insufficient memory.**

Explanation: Not enough memory was available for the spatial function or method that you invoked.

User Response: Make more memory available to the DB2 process that executes the function or method.

msgcode: -3402

sqlstate: 38SS2

GSE3403N **Invalid geometry type.**

Explanation: An invalid type of geometry was passed to the function or method that you invoked.

User Response: Specify a valid geometry. For more information, refer to the IBM DB2 UDB Spatial Extender User's Guide and Reference.

msgcode: -3403

sqlstate: 38SS3

GSE3404N **Parentheses not balanced.**

Explanation: The number of opening parentheses in the well-known text representation is not the same as the number of closing parentheses.

User Response: Reenter the well-known text representation, providing matching pairs of parentheses.

msgcode: -3404

sqlstate: 38SS4

GSE3405N **Too many parts specified.**

Explanation: The number of parts indicated in the binary or text representation of the geometry is greater than the actual number of parts supplied. Either the number of parts indicated is too high or not all the parts were supplied.

User Response: Specify the correct number of parts or supply all parts for the geometry.

msgcode: -3405

sqlstate: 38SS5

GSE3406N Incorrect geometry type.

Explanation: The wrong type of geometry was passed to the function or method that you invoked. For example, a linestring might have been passed to a function or method that takes only polygons as input.

User Response: Either pass to the function or method a type of geometry that it can process, or use a function or method that accepts the type of geometry that you want to pass.

msgcode: -3406

sqlstate: 38SS6

GSE3407N Text is too long.

Explanation: The geometry contains too much detail to be converted to its well-known text representation. The well-known text representation exceeds the maximum allowable length (2 gigabytes).

User Response: Simplify the geometry - for example, by using the ST_Generalize function - or convert the geometry to its well-known binary representation.

msgcode: -3407

sqlstate: 38SS7

GSE3408N Invalid parameter value.

Explanation: An invalid parameter was encountered.

User Response: Refer to the IBM DB2 UDB Spatial Extender User's Guide and Reference for the function's correct syntax and retry the operation. If the problem persists, contact IBM Software Support.

msgcode: -3408

sqlstate: 38SS8

GSE3409N Invalid geometry produced.

Explanation: The parameters provided for the function or method have produced an invalid geometry; for example, an invalid shape representation. An invalid geometry is one that violates a geometry property.

User Response: Construct the geometry again from a valid representation.

msgcode: -3409

sqlstate: 38SS9

GSE3410N Incompatible geometries.

Explanation: The function or method expected two geometries of a certain type and did not receive them. For example, the ST_AddPoint function expects two geometries, one a representation and the other a point.

User Response: Specify geometries that the function or method accepts as valid input. To determine what types of geometries are valid for this function or method, refer to the IBM DB2 UDB Spatial Extender User's Guide and Reference.

msgcode: -3410

sqlstate: 38SSA

GSE3411N Invalid geometry.

Explanation: The function or method cannot process the geometry passed to it because one or more properties of the geometry violate the geometry's integrity.

User Response: Use the ST_IsValid function to validate the geometry. Construct the geometry again from a correct representation if it is not valid.

msgcode: -3411

sqlstate: 38SSB

GSE3412N Too many points.

Explanation: The construction of a geometry has exceeded the 1-megabyte storage limit; the

geometry has too many points.

User Response: Construct a geometry that contains fewer points. Or, if possible, remove some points. For performance and storage considerations, include only those points that are needed to render a geometry.

msgcode: -3412

sqlstate: 38SSC

GSE3413N Geometry too small.

Explanation: The geometry returned by the ST_Difference, ST_Intersection, ST_SymDifference, or ST_Union function is too small to be represented accurately in the current spatial reference system.

For example, this can happen if the internal computation constructs a very thin polygon, but the scale factor of the spatial reference system is so low that the geometry would collapse to a linestring if it were to be represented in this spatial reference system. It would lose its property as a polygon.

User Response: Use a spatial reference system for the calculation which allows for a higher resolution. The ST_Transform function can be used to convert a geometry from one spatial reference system into another.

msgcode: -3413

sqlstate: 38SSD

GSE3414N Buffer out of bounds.

Explanation: The ST_Buffer function has created a buffer around the provided geometry that is outside the range of the coordinates to which the spatial reference system applies.

Refer to the Spatial Extender catalog view DB2GSE.ST_SPATIAL_REFERENCE_SYSTEMS to determine the minimum and maximum absolute values for each of the dimensions. These values must not be exceeded by the calculated buffer.

User Response: Either reduce the distance to be used for the buffer calculation, or change the spatial reference system in which the calculation

is done. The ST_Transform function can be used to convert geometries from one spatial reference system into another.

msgcode: -3414

sqlstate: 38SSE

GSE3415N Invalid scale factor.

Explanation: A scale factor for any of the four dimensions (X, Y, Z, and M) must be greater than or equal to 1 (one).

User Response: Use a correctly defined spatial reference system to represent the geometry.

msgcode: -3415

sqlstate: 38SSF

GSE3416N Coordinate out of bounds.

Explanation: A coordinate cannot be represented in the spatial reference system because, in at least one dimension, it exceeds the possible minimum or maximum absolute value within the system's range of values.

Refer to the Spatial Extender catalog view DB2GSE.ST_SPATIAL_REFERENCE_SYSTEMS to determine the minimum and maximum absolute values for each of the dimensions.

User Response: Determine whether the coordinate is correct. If it is, determine whether it fits within the extent of the spatial reference system that you are using. For information about this spatial reference system, consult the DB2GSE.ST_SPATIAL_REFERENCE_SYSTEMS catalog view.

msgcode: -3416

sqlstate: 38SSG

GSE3417N Invalid coordsys definition.

Explanation: There are one or more errors in the text representation of the definition of the coordinate system on which the geometry's spatial reference system is based. The representation cannot be converted into a valid projection.

User Response: Verify the coordinate system definition of the spatial reference system. Alternatively, construct the geometry in a spatial reference system that is associated with a valid coordinate system. The ST_EqualCoordsys function can be used to verify the coordinate system definition by comparing it with itself.

msgcode: -3417

sqlstate: 38SSH

GSE3418N Projection error.

Explanation: An error occurred during an attempt to project a geometry to another spatial reference system.

User Response: Make sure that the geometry is within the legal domain of the projection.

msgcode: -3418

sqlstate: 38SSI

GSE3419N Polygon rings overlap.

Explanation: The rings of a polygon overlap. By definition, the inner and outer rings of a polygon must not overlap. They can intersect only at a tangent, which means the rings can only touch but not cross each other.

User Response: Specify the coordinates for the polygon that will not produce overlapping rings. Note that the scale factors of the spatial reference system for the geometry have an influence on the precision.

msgcode: -3419

sqlstate: 38SSJ

GSE3420N Too few points.

Explanation: The error is a result of one of the following:

- Linestrings must consist of at least two points, and polygons must consist of at least four points.
- The geometry cannot be constructed from the points that you have specified.

Note that if the geometry to be constructed is empty, these rules do not apply.

User Response: Construct the geometry again from a valid set of points.

msgcode: -3420

sqlstate: 38SSK

GSE3421N Polygon is not closed.

Explanation: The inner and outer rings that define the polygon must be closed. A ring is closed if the start and end points are identical in the X and Y dimensions. If the polygon has Z coordinates, then the start and end points must also be identical to the Z coordinates. Note that this rule does not apply to measures, which can be different for the start and end points.

User Response: Specify inner and outer rings for the polygon that have the same points for the start and end points in the X and Y dimension. If the polygon has Z coordinates, the start and end points of the Z coordinate points also have to be identical. If the polygon has measures, the start and end points can be different.

msgcode: -3421

sqlstate: 38SSL

GSE3422N Invalid exterior ring.

Explanation: The exterior ring of the polygon is not valid.

The exterior ring of a polygon must enclose all interior rings of the polygon. All interior rings have to be completely inside the area that is defined by the outer ring and must not cross the exterior ring.

User Response: Specify a geometry that consists of a valid set of interior and exterior rings, where the interior rings lie fully within the area that is enclosed by the exterior ring to represent it.

If the geometry has multiple polygons, use a multipolygon.

msgcode: -3422

sqlstate: 38SSM

GSE3423N Polygon has no area.

Explanation: The specified polygon lacks an interior that covers an area that is not the empty set in the X and Y dimensions.

A geometry is a polygon only if its coordinates span two dimensions in the 2-dimensional space defined by the X and Y coordinates.

User Response: Specify a polygon that encloses an area that is not empty. If the polygon is empty, construct an empty polygon.

msgcode: -3423

sqlstate: 38SSN

GSE3424N Exterior rings overlap.

Explanation: The exterior rings of distinct polygons in a multipolygon overlap. Distinct polygons in a multipolygon must not overlap, and the boundaries must touch only at a finite number of points. That means the polygons must not share line segments.

The scale factors of the spatial reference system that is used to represent the geometry influences the precision that applies to the coordinates. Rounding operations performed when the geometry is converted to the representation in the spatial reference system might cause a loss in precision and, subsequently, this error.

User Response: Specify coordinates for the polygon that will not produce overlapping rings.

Note that the scale factors of the spatial reference system have an influence on precision.

Refer to the Spatial Extender catalog view DB2GSE.ST_SPATIAL_REFERENCE_SYSTEMS for the scale factor used for the spatial reference system in which the geometry will be represented.

msgcode: -3424

sqlstate: 38SSO

GSE3425N Polygon intersects itself.

Explanation: A ring of a polygon cannot intersect itself. The start and end points on each

ring of the polygon must be reached twice when traversing the ring. All other points must only be reached once. This holds true also for the line segments that define the rings of the polygon.

The scale factors of the spatial reference system that is used to represent the geometry influences the precision that applies to the coordinates. Rounding operations performed when the geometry is converted to the representation in the spatial reference system might cause a loss in precision and, subsequently, this error.

User Response: Construct a valid polygon in which the rings do not intersect themselves.

Refer to the Spatial Extender catalog view DB2GSE.ST_SPATIAL_REFERENCE_SYSTEMS for the scale factor used for the spatial reference system in which the geometry will be represented.

msgcode: -3425

sqlstate: 38SSP

GSE3426N Invalid number of parts.

Explanation: The number of parts indicated in the binary or text representation of the geometry is not equal to the actual number of parts supplied. Either the number is too low or too many parts were supplied to the function or method.

User Response: Specify the correct number of parts or supply all parts for the geometry.

msgcode: -3426

sqlstate: 38SSQ

GSE3427N Incompatible SRSs.

Explanation: The two spatial reference systems are not compatible. They cannot be transformed into or compared with one another. The operation cannot be completed successfully.

User Response: Specify two compatible spatial reference systems.

msgcode: -3427

sqlstate: 38SSR

GSE3428N BLOB too small.

Explanation: The number of bytes in the specified binary representation of the geometry is too small.

User Response: Specify a valid binary representation of the geometry.

msgcode: -3428

sqlstate: 38SSS

GSE3429N Invalid geometry type.

Explanation: An invalid internal geometry type was encountered. The geometry is not valid and will not be processed any further.

User Response: Construct the geometry again from a valid binary or text representation.

msgcode: -3429

sqlstate: 38SST

GSE3430N Invalid byte order.

Explanation: The byte order in the binary representation of the geometry has an invalid value. The byte order must be 0 (zero) or 1 (one).

In the well-known binary representation, a byte order of 0 (zero) indicates big endianness, and a byte order of 1 (one) indicates little endianness.

User Response: Specify a valid byte order in the binary representation for the geometry.

msgcode: -3430

sqlstate: 38SSU

GSE3431N Empty geometry.

Explanation: An empty geometry was passed to the ST_AsBinary function, even though it is not allowed as input.

User Response: Edit the SQL statement that you submitted so that only non-empty geometries will be passed to the ST_AsBinary function. For example, you can use the ST_IsEmpty function in the WHERE clause to exclude empty geometries.

msgcode: -3431

sqlstate: 38SSV

GSE3432N Invalid end point.

Explanation: The specified point is intended to be appended to the curve, but it is not valid.

User Response: Specify a valid point to be appended.

msgcode: -3432

sqlstate: 38SSW

GSE3433N Point not found.

Explanation: The specified point is intended to be changed or removed, but it does not exist in the curve.

User Response: Specify a point that does exist in the curve.

msgcode: -3433

sqlstate: 38SSX

GSE3500N Instance path not found.

Explanation: The function implementing the geocoder could not find the DB2 instance path.

User Response: Verify the correct installation of DB2 and the IBM DB2 UDB Spatial Extender. Check that the DB2INSTANCE environment variable is set for the user running the process executing the function.

If the problem persists, contact IBM Software Support.

msgcode: -3500

sqlstate: 38SG0

GSE3501N Changing SRS id (*new-srs-id*, *previous-srs-id*).

Explanation: The geocoder is optimized to geocode addresses and produce the resulting points all in same spatial reference system in a single SQL statement. But it encountered different spatial reference systems in the same

SQL statement. The new spatial reference system is identified by *new-srs-id*; the spatial reference system used for the preceding rows was identified by *previous-srs-id*.

User Response: Specify the default parameters and overwriting parameters for the column that the geocoder runs on. This should be done in such a way that the numerical spatial reference system identifier remains constant within an SQL statement that is used to geocode multiple addresses at once.

msgcode: -3501

sqlstate: 38SG1

GSE3502N Path too long.

Explanation: The path name specified for the locator file parameter or the base map parameter exceeds 256 bytes and is too long.

User Response: Use a shorter path name for the locator file parameter or the base map parameter. On Unix systems, symbolic links can be used to shorten the path name.

msgcode: -3502

sqlstate: 38SG2

GSE3503N Invalid line *line-number* in locator file.

Explanation: In the locator file, line *line-number* contains an invalid entry. Each entry in the file must be of the form "property name = property value".

User Response: Correct the locator file.

msgcode: -3503

sqlstate: 38SG3

GSE3504N Non-matching quote in line *line-number* in locator file.

Explanation: In the locator file, line *line-number* contains an entry where the quote characters are not balanced. If quoted, the property name as well as the property value must have an opening and a closing quote character.

User Response: Correct the locator file.

msgcode: -3504

sqlstate: 38SG4

GSE3505N Property failure. Reason code = *reason-code*.

Explanation: A failure occurred while handling properties defined in the locator file (.loc).

The reason codes have the following meanings:

- 502 A property is inconsistent with other properties.
- 503 A required property was not found.
- 504 A value of a property is invalid.
- 505 An unexpected property was encountered.
- 506 An array of values was specified for a property that expected only a scalar value.
- 507 A value of a property does not have the expected data type.
- 513 A value of a property is too long.
- 533 The expression specified for a value of a property is invalid.

User Response: Correct the problem identified by the reason code; then retry the operation.

msgcode: -3505

sqlstate: 38SG5

GSE3506N Copy of properties failed.

Explanation: The copying of the properties into an internal buffer failed. Not enough memory is available.

User Response: Ensure that enough memory is available for the geocoder to copy the properties from the locator file to the internal buffer.

msgcode: -3506

sqlstate: 38SG6

GSE3507N Too many properties.

Explanation: The locator file contains too many properties. At most 2048 properties can be specified in the locator file.

User Response: Reduce the number of properties specified in the locator file.

msgcode: -3507

sqlstate: 38SG7

GSE3508N No point produced.

Explanation: The geocoder produced a geometry that is not an ST_Point geometry.

User Response: Contact IBM Software Support.

msgcode: -3508

sqlstate: 38SG8

GSE3509N Initialization of the geocoder failed. Reason code = *reason-code*.

Explanation: The initialization of the geocoder failed.

The reason codes have the following meanings:

-522 A general failure occurred while the geocoder was being initialized.

-527 The initialization of the match key failed.

-529 The initialization of the address normalization failed.

User Response: Verify the installation of Spatial Extender.

msgcode: -3509

sqlstate: 38SG9

GSE3510N Address not normalized.

Explanation: The geocoder could not normalize the address.

User Response: Contact IBM Software Support.

msgcode: -3510

sqlstate: 38SGA

GSE3511N Geocoder file operation failed. rc = *reason-code*.

Explanation: An internal error with reason code *reason-code* occurred during a file operation.

Possible reasons for the file operation failure, preceded by their reason codes, are as follows:

-543 The match rule file (.mat) could not be opened.

-544 The match rule file (.mat) is invalid.

-547 The reference data file (.edg) could not be opened.

-548 The table in the reference data file (.edg) is either missing or inaccessible.

-549 A required column could not be found in the reference data file (.edg).

-550 The index file could not be accessed.

User Response: Correct the problem identified by the reason code; then retry the operation.

msgcode: -3511

sqlstate: 38SGB

GSE3512N Geocoder failed. Reason code = *reason-code*.

Explanation: The geocoder failed with an internal error of reason code *reason-code*.

User Response: Note the internal error and contact IBM Software Support.

msgcode: -3512

sqlstate: 38SGC

GSE3600N No index specified.

Explanation: No valid index was specified. The index schema parameter, the index name parameter, or both, are null. The index parameter values cannot be derived.

User Response: Specify a valid spatial index to retrieve the parameter information.

msgcode: -3600

sqlstate: 38SQ0

GSE3601N Invalid spatial index name
schema-name.index-name.

Explanation: The specified name of the index for which you want parameter information retrieved does not exist or does not identify a spatial index. This name is *schema-name.index-name*.

User Response: Specify an existing spatial index to retrieve the parameter information.

msgcode: -3601

sqlstate: 38SQ1

GSE3602N Invalid parameter number *number* specified.

Explanation: The parameter number *number* is not valid for the specified spatial index.

The following limits apply for the different types of spatial indexes:

grid index

Parameter numbers between 1 (one) and 3.

z-order index

Parameter numbers between 1 (one) and 4.

quad-tree index

Parameter numbers between 1 (one) and 5.

User Response: Specify a valid parameter number for the spatial index. Consult the DB2 system catalog for the type of the spatial index.

msgcode: -3602

sqlstate: 38SQ2

GSE3603N Invalid column name.

Explanation: The specified column does not exist in the table. At least one of the following - table schema, table name, or column name - is a null value. The index parameter for an index on

a column cannot be derived.

User Response: Specify an existing column which has a spatial index defined on it.

msgcode: -3603

sqlstate: 38SQ3

GSE4000N Required parameter *parameter-name* is missing.

Explanation: The required parameter was not found.

User Response: Specify the required parameter and try to execute the command again.

msgcode: -4000

sqlstate: 38SB0

GSE4001N An error occurred while Spatial Extender was allocating an environment handle.

Explanation: An environment handle could not be allocated using the Call Level Interface (CLI). The operation cannot be completed successfully.

User Response: Verify the CLI configuration. If the source of the problem cannot be found and corrected, contact IBM Software Support.

msgcode: -4001

sqlstate: 38SB1

GSE4002N An error occurred while Spatial Extender was allocating a connection handle. CLI error *cli-error* and native error code = *native-error-code*.

Explanation: An unexpected error *cli-error* with native error code = *native-error-code* occurred while Spatial Extender was allocating a connection handle.

User Response: Look up the detailed error message *cli-error*. Correct the error and execute the command again. If the problem persists, contact IBM Software Support.

msgcode: -4002

sqlstate: 38SB2

GSE4003N An error occurred while Spatial Extender was connecting to the database. CLI error *cli-error* and native error code = *native-error-code*.

Explanation: An unexpected error *cli-error* with native error code = *native-error-code* occurred while Spatial Extender was connecting to the database.

User Response: Look up the detailed error message *cli-error*. Correct the error and execute the command again. If the problem persists, contact IBM Software Support.

msgcode: -4003

sqlstate: 38SB3

GSE4004N An error occurred while Spatial Extender was allocating a statement handle. CLI error *cli-error* and native error code = *native-error-code*.

Explanation: An unexpected error *cli-error* with native error code = *native-error-code* occurred while Spatial Extender was allocating a statement handle.

User Response: Look up the detailed error message *cli-error*. Correct the error and execute the command again. If the problem persists, contact IBM Software Support.

msgcode: -4004

sqlstate: 38SB4

GSE4005N An error occurred while an SQL statement was being prepared. CLI error *cli-error* and native error code = *native-error-code*.

Explanation: An unexpected error *cli-error* with native error code = *native-error-code* occurred while Spatial Extender was preparing an SQL statement.

User Response: Look up the detailed error

message *cli-error*. Correct the error and execute the command again. If the problem persists, contact IBM Software Support.

msgcode: -4005

sqlstate: 38SB5

GSE4006N An error occurred while Spatial Extender was binding parameters to an SQL statement. CLI error *cli-error* and native error code = *native-error-code*.

Explanation: An unexpected error *cli-error* with native error code = *native-error-code* occurred while Spatial Extender was binding parameters to an SQL statement.

User Response: Look up the detailed error message *cli-error*. Correct the error and execute the command again. If the problem persists, contact IBM Software Support.

msgcode: -4006

sqlstate: 38SB6

GSE4007N An error occurred while Spatial Extender was executing an SQL statement. CLI error *cli-error* and native error code = *native-error-code*.

Explanation: An unexpected error *cli-error* with native error code = *native-error-code* occurred while Spatial Extender was executing an SQL statement.

User Response: Look up the detailed error message *cli-error*. Correct the error and execute the command again. If the problem persists, contact IBM Software Support.

msgcode: -4007

sqlstate: 38SB7

GSE4008N An error occurred while Spatial Extender was ending a transaction. CLI error *cli-error* and native error code = *native-error-code*.

Explanation: An unexpected error *cli-error* with native error code = *native-error-code* occurred while Spatial Extender was ending a transaction.

User Response: Look up the detailed error message *cli-error*. Correct the error and execute the command again. If the problem persists, contact IBM Software Support.

msgcode: -4008

sqlstate: 38SB8

GSE4009N The option, *option*, is invalid.

Explanation: The specified option, *option*, is invalid.

User Response: Specify a valid option and repeat the command.

msgcode: -4009

sqlstate: 38SB9

GSE4100N Column *schema-name.table-name.column-name* does not exist.

Explanation: The specified column *schema-name.table-name.column-name* does not exist.

User Response: Specify an existing column in an existing table and execute the command again.

msgcode: -4100

sqlstate: 38SC0

GSE4101N Column *schema-name.table-name.column-name* does not have a spatial data type.

Explanation: The specified column *schema-name.table-name.column-name* does not have a spatial type. A spatial type is *ST_Geometry* or one of its proper subtypes.

User Response: Specify a column with a spatial data type and execute the command again.

msgcode: -4101

sqlstate: 38SC1

GSE4102N Spatial grid index *schema-name.index-name* does not exist.

Explanation: The specified spatial grid index *schema-name.index-name* does not exist.

User Response: Specify a spatial grid index which does exist and execute the command again.

msgcode: -4102

sqlstate: 38SC2

GSE4103N An internal error occurred while Spatial Extender was retrieving index information for column *schema-name.table-name.column-name*.

Explanation: Spatial Extender encountered an unexpected internal error while retrieving information about the spatial index on the column *schema-name.table-name.table-name*.

User Response: Contact IBM Software Support.

msgcode: -4103

sqlstate: 38SC3

GSE4104N Spatial Extender could not retrieve grid sizes for spatial grid index *schema-name.index-name*.

Explanation: Spatial Extender encountered an unexpected internal error while retrieving the grid size definition for the grid index *schema-name.index-name*.

User Response: Contact IBM Software Support.

msgcode: -4104

sqlstate: 38SC4

GSE4105W No rows to analyze in column
schema-name.table-name.column-name.

Explanation: The column *schema-name.table-name.table-name* does not contain any values that the Spatial Extender could analyze.

If sampling was used, the sample rate might have been too low.

User Response: Execute the command on a column that contains geometries. If sampling is used, use a higher sampling rate.

msgcode: +4105

sqlstate: 38SC5

GSE4106W Spatial Extender could not get enough memory to retrieve MBR histogram for *number* entries.

Explanation: The histogram size of the minimum boundary rectangles for all the geometries in the spatial column is too big. Not enough memory to store it could be allocated. The command cannot be executed successfully.

User Response: Do not specify the SHOW DETAIL option for the command or reduce the number of geometries to be analyzed by sampling them with a lower sample rate.

msgcode: +4106

sqlstate: 38SC6

GSE4107N Grid size value *grid-size* is not valid where it is used.

Explanation: The specified grid size *grid-size* is not valid.

One of the following invalid specifications was made when the grid index was created with the CREATE INDEX statement:

- A number less than 0 (zero) was specified as the grid size for the first, second, or third grid level.
- 0 (zero) was specified as the grid size for the first grid level.

- The grid size specified for the second grid level is less than the grid size of the first grid level but it is not 0 (zero).
- The grid size specified for the third grid level is less than the grid size of the second grid level but it is not 0 (zero).
- The grid size specified for the third grid level is greater than 0 (zero) but the grid size specified for the second grid level is 0 (zero).

User Response: Specify a valid value for the grid size.

msgcode: -4107

sqlstate: 38SC7

GSE4108W Geometries in column
schema-name.table-name.column-name
do not cover extent.

Explanation: All geometries in the column *schema-name.table-name.column-name* do not span an extent greater than 0 (zero). That means that only identical points exist in the column. The index information cannot be gathered.

User Response: Insert additional rows into the spatial column.

msgcode: +4108

sqlstate: 38SC8

GSE4109N An invalid query box of size
query-box-size was specified.

Explanation: The specified query box size *query-box-size* is not valid. A query box must be greater than 0 (zero) and less than or equal to 1 (one). The query box size indicates the percentage of the extent for the data in the column that is usually retrieved.

User Response: Correct the query box size by choosing a value greater than 0 (zero) and less than or equal to 1 (one).

msgcode: -4109

sqlstate: 38SC9

GSE4110N An invalid number of rows
num-rows to analyze was specified.

Explanation: The specified number of rows to be analyzed (*num-rows*) is invalid. The number must be greater than 0 (zero).

User Response: Specify a valid number of rows greater than 0 (zero) and execute the command again.

msgcode: -4110

sqlstate: 38SCA

GSE4111N An invalid percentage *percentage*
was specified.

Explanation: The specified percentage *percentage* of rows to be analyzed is not valid. The percentage must be an integer that is greater than 0 (zero) and less than or equal to 100.

User Response: Specify a valid percentage greater than 0 (zero) and less than or equal to 100 and retry the command.

msgcode: -4111

sqlstate: 38SCB

GSE4112W No samples for the table
schema-name.table-name.column-name
at *percent* percent could be
produced.

Explanation: The Spatial Extender tried to sample *percent* percent of table *schema-name.table-name.column-name*, but could not produce any sample rows that could be analyzed any further.

User Response: If the table is not empty, choose a higher sampling rate and retry the command.

msgcode: +4112

sqlstate: 38SCC

GSE4113N No tablespace for a declared
global temporary table for the
sampled data exists.

Explanation: A USER TEMPORARY tablespace with a page size of at least 4096 bytes must exist to declare a global temporary table that is needed to sample the data that is to be analyzed by the Spatial Extender. A global temporary table is needed so that Spatial Extender can sample the data that it is going to analyze. A USER TEMPORARY tablespace with a page size of at least 4096 bytes is required for declaring this table.

User Response: Either create an appropriate USER TEMPORARY tablespace and retry the command, or do not use the ANALYZE clause to avoid sampling the spatial data.

msgcode: -4113

sqlstate: 38SCD

GSE4200N Parameter *value* of data type *type*
is not expected in that context.

Explanation: The parameter value *value* of type *type* is not expected in the context of the command.

User Response: Correct the command to be executed and then try the operation again.

msgcode: -4200

sqlstate: 38SD0

GSE4201N No command was specified.

Explanation: No command to be executed was specified.

User Response: Specify a command.

msgcode: -4201

sqlstate: 38SD1

GSE4202N Parsing of command failed.

Explanation: The given command syntax could not be parsed successfully.

User Response: Correct the syntax and execute the command again.

msgcode: -4202

sqlstate: 38SD2

GSE4203N Unexpected end-of-statement found following token *token*.

Explanation: An unexpected end of the statement was found after parsing token *token*.

User Response: Correct the syntax and execute the command again.

msgcode: -4203

sqlstate: 38SD3

GSE4204N Parsing failed near token *token*.

Explanation: An unexpected parse error occurred near token *token*.

User Response: Correct the syntax and execute the command again.

msgcode: -4204

sqlstate: 38SD4

GSE4205N Spatial Extender found more than one *type* clause.

Explanation: While Spatial Extender parsed the command, it found more than one clause of data type *type*.

User Response: Specify only one clause of *type* and execute the command again.

msgcode: -4205

sqlstate: 38SD5

GSE9000N The database is not at the Spatial Extender Version 7 level.

Explanation: The database is not at the Spatial Extender Version 7 level and you are attempting to perform an operation such as migration to Version 8.

User Response: Verify the version of the

database and the operation you are attempting to perform.

msgcode: -9000

sqlstate: 38SZ0

GSE9001N The database is already at the Spatial Extender Version 8 level.

Explanation: The database is already at the Spatial Extender Version 8 level and you are attempting to perform an operation such as migration to Version 8.

User Response: Verify the version of the database and the operation you are attempting to perform.

msgcode: -9001

sqlstate: 38SZ1

GSE9002N An error occurred during an attempt to perform Spatial Extender database migration.

Explanation: An error was encountered during an attempt to migrate the Spatial Extender catalog and spatial functions.

User Response: Verify the version of the database and the operation you are attempting to perform. Also verify that Spatial Extender was correctly enabled for the database you want to migrate.

For more information, refer to the migration message file.

msgcode: -9002

sqlstate: 38SZ2

GSE9003N A dependency between user-defined objects and Spatial Extender objects exists.

Explanation: The Spatial Extender objects could not be migrated because some user-defined objects have dependencies on Spatial Extender objects.

User Response: Review the migration message

file to see what dependencies exist. Specify the force option in the migration command to save and restore the user-defined objects that depend on the Spatial Extender objects.

msgcode: -9003

sqlstate: 38SZ3

GSE9990C **An internal error occurred:**
error-text.

Explanation: Spatial Extender encountered an unexpected internal error with the text *error-text*.

User Response: Read the given *error-text*. If the problem cannot be resolved, contact IBM Software Support.

msgcode: -9990

sqlstate: 38SZY

GSE9999C **Internal message failure.**

Explanation: An internal failure occurred while Spatial Extender was retrieving an error message.

User Response: Contact IBM Software Support.

msgcode: -9999

sqlstate: 38SZZ

Chapter 13. SAT Messages

This section contains the Satellite (SAT) messages. The messages are listed in numeric sequence.

SAT1000I **The first application version for this group has been defaulted to match the value used for the Typical satellite install.**

Explanation: If you install a satellite using the Typical method, the satellite's application version will be set to a predefined value. This predefined application version is the same as the default value for the first application version that is created for a group.

User Response: If you did not install the satellites of this group using the Typical method, or you changed the application version for one or more satellites after installation, ensure that the identifier you supply to create a new application version is consistent with the satellite's application version.

SAT1001I **Mandatory information is missing from one of the notebook pages. The notebook will return to the page that is missing information.**

Explanation: All mandatory fields must be filled in for the action to complete.

User Response: Fill in the required information and try the action again.

SAT1002I **A test connection or attachment to the selected target was successful using the specified authentication credentials.**

Explanation: An attempt was made to connect to a target. The connection or attachment was established successfully using the specified authentication credentials.

User Response: No action is required.

SAT2000W **Changes have not been saved. Save now?**

Explanation: You are exiting from a window or notebook without saving your changes.

User Response: To save your changes, click Yes. Otherwise, click No.

SAT2001W **An ATTACH or CONNECT statement was found in the script.**

Explanation: The script contents appear to contain either a CONNECT or an ATTACH statement. On a satellite, the required instance-level attach or database-level connect is automatically established before a DB2 instance or DB2 database script is executed. Consequently, it is not necessary to include ATTACH or CONNECT statements in DB2 instance or database scripts, unless the script specifies more than one execution target.

User Response: If the script does not specify more than one target, remove the CONNECT or ATTACH statement from the script.

SAT2002W **Script contents may not be consistent with the script type.**

Explanation: Either the script contents have been modified in a way that causes an inconsistency with the script type, or the script type has been modified in a way that causes an inconsistency with the script contents.

User Response: Ensure that the script type and the script contents are compatible.

SAT2003W Implicit table space was created.

Explanation: Promotion created at least one implicit table space.

User Response: Change the table spaces in the script if the implicit table spaces that are created are not suitable for your business requirements.

SAT2014W Are you sure that you want to promote the satellite *satellite*?

Explanation: Promoting a satellite causes the satellite to start executing the group's batches. Only promote a satellite when it has successfully executed the fix batch and is ready to execute group batches.

User Response: Click Yes to promote the satellite back to executing group batches. Otherwise, click No.

SAT2015W Are you sure that you want to fix the satellite *satellite*?

Explanation: Setting a satellite to fix mode will prevent the satellite from executing its group batches. The satellite will only be able to execute a fix batch until it is promoted back to executing the group batches. Only set a satellite to fix mode when the satellite requires servicing.

User Response: Click Yes to set the satellite to fix mode so it can execute a fix batch. Otherwise, click No.

SAT2016W An object with the name *object* already exists in the database *database*. Are you sure that you want to overwrite it?

Explanation: Overwriting an object will cause all other objects that reference the object to be affected.

User Response: Click Yes to overwrite the object. Otherwise, click No.

SAT2017W An object with the name *object* already exists in the database *database* and is in use by another object. Are you sure that you want to change the definition of the object?

Explanation: Changing the definition of an object will cause all other objects that reference that object to be affected.

User Response: Click Yes to change the definition of the object. Otherwise, click No.

SAT2018W Are you sure that you want to change the definition of object *object*?

Explanation: Changing the definition of an object will cause all other objects that reference that object to be affected.

User Response: Click Yes to change the definition of the object. Otherwise, click No.

SAT2019W An object with the name *object* already exists in the database *database*. Would you like to rename *object* before it is created in *database*?

Explanation: While creating *object* in *database*, another object with the same name was found to already exist. Objects must have a unique name.

User Response: Click Yes to save the object under a different name. Otherwise, click No. The object will not be created.

SAT2020W At least one of the selected satellites is currently online. No action is taken on satellites that are online.

Explanation: When a satellite is online and synchronizing, it cannot be altered.

User Response: Determine which satellites are currently online. Wait until these satellites are offline, and try the request again.

SAT2021W A test connection or attachment to the selected target was not successful using the specified authentication credentials.

Explanation: An attempt was made to connect or attach to a target. The connection could not be established because of an authentication error.

User Response: Verify that the authentication credentials are correct for the target, and try the request again.

SAT2022W You will be able to make modifications to this satellite when it is a test satellite. Care should be taken to ensure the satellite's state remains consistent.

Explanation: Setting a satellite as a test satellite means that it will execute test batches. A test batch may contain batch steps that produce uncertain outcomes, and may put the satellite into an inconsistent state. A satellite should only be set as a test satellite when it is acceptable to subject it to these risks.

User Response: Click OK to set the satellite as a test satellite. Otherwise, click Cancel.

SAT2023W Are you sure that you want to change this test satellite to a production satellite? The administrative function available for this satellite will be severely restricted.

Explanation: A test satellite is used to try out configuration changes before these changes are made available to the production satellites. Consequently, a test satellite may become inconsistent when configuration changes do not succeed. To repair the test satellite, return it to a consistent state so that the configuration changes can be iteratively tested. More administrative actions can be performed against a test satellite. If the satellite is changed to a production satellite, it can no longer be used for test purposes. The administrative function available for this satellite will necessarily be severely restricted.

User Response: Click OK to set the satellite as a production satellite. Otherwise, click Cancel.

SAT2024W Synchronization session is in progress. Are you sure that you want to terminate it?

Explanation: A synchronization session was in progress when the terminate action was issued.

User Response: If you continue with the termination, the synchronization session will be stopped before it completes. You should cancel the termination, and allow the synchronization session to complete.

SAT2025W If you use anything other than a noncomplete consistent-change-table in a consolidation scenario, the target table is refreshed when satellites synchronize.

Explanation: In a consolidation replication scenario, a noncomplete consistent-change-data-table does not result in a full refresh of the target table when a satellite synchronizes. Any other type of table (for example, a user copy or a point-in-time target table) results in a full refresh of the target table when a satellite synchronizes. If, when defining your replication scenario, you specified that the data capture is full refresh, the target table will be fully refreshed each time that a satellite synchronizes. If you did not specify that the data capture is full refresh, the target table is only fully refreshed the first time that the Apply program is invoked on the satellite.

User Response: If you want the target table to be refreshed when a satellite synchronizes, no action is required. If you want to change the type of the target table, you must remove the effects of the generalization of the replication subscriptions from the DB2 control server, and return to the Control Center to modify the replication scenario. Then, generalize the replication subscriptions again.

SAT2026W The satellite should be synchronized once before the user changes user data. User data that is changed before the initial synchronization of the satellite cannot be replicated.

Explanation: When the satellite synchronizes, the Capture and Apply programs are invoked on the satellite. Depending on how you defined the replication scenario, changes that are made to the user data in the satellite database before the first synchronization session either cannot be replicated to the corporate sources, or will be overwritten at the satellite:

- If your replication scenario is either consolidation, or update anywhere with the replication direction defined from the satellite to the corporate source, changes that are made to the user data before the first synchronization session cannot be replicated from the satellite to the corporate source. When the Capture program is invoked, it cannot capture these changes.
- If your replication scenario is either distribution, or update anywhere with the replication direction defined from the corporate source to the satellite, changes that are made to the user data before the first synchronization session will be overwritten when a full refresh occurs at the satellite.

User Response: Instruct all satellite users to synchronize before they change data on the satellite.

SAT3000N The name *name* already exists.

Explanation: The name of the object you are attempting to create, *name*, already exists.

User Response: Specify a unique name.

SAT3001N The target name of a copy, *targetname*, already exists in the database *cdb*.

Explanation: The name provided for the copy, *targetname*, is not unique in the target satellite control database *cdb*.

User Response: Specify a unique name.

SAT3002N Application version *application-version-name* already exists for the group *group-name*.

Explanation: The name supplied for this application version is already being used for this group.

User Response: Specify a name for the application version that is not already in use by the group *group name*.

SAT3003N No application versions exist for this group.

Explanation: The requested action against the group requires at least one application version.

User Response: Create an application version for the group.

SAT3004N The object *name* does not exist.

Explanation: The specified object, *name*, does not exist. It may have been removed after the view containing the object was filled.

User Response: Refresh the view in which the object appears.

SAT3005N The object *name* cannot be deleted because it is currently referred to by another object.

Explanation: The object *name* cannot be deleted because another object references it. Consistency cannot be maintained if *name* is deleted.

User Response: Delete all objects that are dependent on the object before deleting this object.

SAT3006N Group *group-name* cannot be deleted because it has at least one enabled satellite.

Explanation: Before a group can be deleted, all of its satellites be disabled so that they can be deleted along with the group. At least one satellite in the group was found to be enabled.

User Response: Disable all the satellites in this group.

SAT3007N **Group *group-name* cannot be deleted because it has at least one application version that has either a test-level or a production-level batch.**

Explanation: Production-level and test-level batches are considered to be active levels that are used by satellites. Consequently, they cannot be deleted. Therefore, the application version, and hence the group, to which they belong cannot be deleted.

User Response: Obsolete all the production-level batches and remove all the test-level batches for this group. Then try the request again.

SAT3008N **Application version *application-version-name* cannot be deleted because it has either a test-level or a production-level batch.**

Explanation: Production-level and test-level batches are considered to be active levels that are used by satellites. Consequently, they cannot be deleted. Therefore, the application version to which they belong cannot be deleted.

User Response: Obsolete the production-level batches and remove the test-level batches for this application version. Then try the request again.

SAT3009N **No generalized replication subscription sets exist for the group *group-name*.**

Explanation: No generalized replication subscription sets exist for the group *group-name*. The specified action requires at least one generalized replication subscription to exist.

User Response: Define one or more generalized replication subscription sets for this group.

SAT3010N **No application versions exist for the group *group-name*.**

Explanation: No application versions exist for the group *group-name*. The specified action requires at least one application version to exist.

User Response: Define an application version for this group.

SAT3011N **No default replication subscription sets exist for application version *application-version-name* in group *group-name*.**

Explanation: Default replication subscription sets for application version *application-version-name*, in group *group-name*, are generated by the generalize action. Such subscription sets are necessary before it is possible to customize the generalized replication subscription.

User Response: Ensure the generalized action completed successfully, and try the request again.

SAT3012N **A default replication control server for application version *application-version-name*, in group *group-name*, is generated by the generalize replication subscription action. Such a control server is required before the generalized replication subscription can be customized.**

Explanation: A default replication control server for application version *application-version-name* in group *group-name* does not exist.

User Response: Ensure that the generalizing of the replication subscription completed successfully. Then try the request again.

SAT3013N **The confirmation password does not match the specified password.**

Explanation: The confirmation password must exactly match the specified password. Passwords are case sensitive.

User Response: Type the confirmation

password again. Ensure that all characters typed are in the same case as the original password.

SAT3014N At least one of the specified batch steps does not have a target alias, a success code set, or both.

Explanation: When a script is imported or added as a new batch step, a target alias and a success code set must be added for the new batch step is not provided.

User Response: Identify which batch steps are missing a target alias or a success code set, and add the missing information.

SAT3015N A target alias has not been selected. You must select a target alias before you can specify the authentication credentials.

Explanation: A target alias must be specified before an authentication can be associated with it.

User Response: Specify a target alias. Then try the request again.

SAT3016N An application version has not been set for this satellite. This page will be disabled until the satellite reports its application version.

Explanation: A satellite executes the batches of an application version. This satellite has not yet reported its application version. Therefore, batch steps cannot be specified for it.

User Response: Assign the satellite an application version on the satellite itself. You cannot perform this action from the Satellite Administration Center.

SAT3017N The action cannot be performed. An application version has not been set.

Explanation: A satellite executes the batches of an application version. This satellite has not yet reported its application version. Therefore, the

specified action cannot be performed.

User Response: Assign the satellite an application version on the satellite itself. You cannot perform this action from the Satellite Administration Center.

SAT3018N The type of the execution target specified is not correct for the type of the script.

Explanation: A target alias has been selected that is not correct. The script is designed to execute against a different type of target.

User Response: Choose a target alias that is of the same type as the selected script. Then try the request again.

SAT3019N The specified success code ranges are in conflict.

Explanation: A success code set cannot contain a greater than (>) relation that specifies a range of numbers that overlap the range of numbers that is specified by a less than (<) relation. For example, the following two relations are not allowed in the same success code set: > 10, < 11.

User Response: Either remove or correct those success relations from the success code set that cause the overlap in ranges. To specify a finite range of numbers between two numbers, a and b, an equals (=) relation must be specified for each number in the range. For example, to specify a finite range of numbers between 5 and 10 as success codes, the following equals relations are required: =5,=6,=7,=8, =9 and =10.

SAT3022N Promotion failed with the following error:
SQLCODE=sqlcode,
SQLSTATE=sqlstate, tokens: token1,
token2, token3. The error was
detected at location location.

Explanation: Promotion failed in an unexpected way.

User Response: Contact the help desk or your system administrator.

SAT3023N A system or internal error occurred.

Explanation: The possible errors include a system error returned by the operating system, insufficient resources, or an incorrect configuration.

User Response: Verify your replication configuration, or contact your system administrator or IBM Service.

SAT3024N A replication server is at a level that is not supported.

Explanation: The product level of a replication server is not supported.

User Response: Upgrade to a supported level.

SAT3025N An authentication failure occurred when connecting to a replication server.

Explanation: This action requires authentication with the replication servers. Authentication with one of the servers failed.

User Response: Ensure that you supplied the correct user ID and password. Either try the request again, or contact your system administrator.

SAT3026N The size of a generated script exceeds the available storage.

Explanation: This action generates scripts. At least one of the generated scripts is larger than the maximum available storage.

User Response: Contact your system administrator or IBM Service.

SAT3027N The database directory entry for a replication source server, control server, or target server does not exist at the instance *instance-name*.

Explanation: This action requires the existence of a database directory entry for the replication source servers, control server, and target server at the instance *instance-name*. At least one of the

directory entries could not be found.

User Response: Catalog the replication source servers, control server, and target server at *instance-name*. Or contact your system administrator or IBM Service.

SAT3028N The fix batch *batch* cannot be deleted because it is being used by at least one satellite.

Explanation: A batch cannot be deleted if it is currently being used.

User Response: Wait until the batch is no longer used by any satellite. Then try the request again.

SAT3029N The script *script* cannot be changed because it is being used by at least one production or obsolete batch step.

Explanation: A script can only be modified if it is not being used by a production or obsolete batch step.

User Response: Ensure that the script is not currently being used by a production or obsolete batch step. Then try the request again.

SAT3030N The specified obsolete batch step cannot be deleted because it is being used by a batch that is not obsolete.

Explanation: An obsolete batch step can only be deleted if it is not being used by any batch that is not obsolete.

User Response: If the batch that uses this batch step is no longer in use by any satellite, move it to the obsolete level. Then try the request again.

SAT3031N The batch step cannot be deleted because it is not the last step in the set of batch steps.

Explanation: A batch step cannot be deleted from the middle of a set of batch steps. All batch steps after it must first be deleted.

User Response: Delete all the batch steps that follow the batch step to be deleted. Then try the request again.

SAT3032N A production batch step cannot be deleted.

Explanation: Production batch steps are used by production satellites for synchronization and cannot be deleted. Only test, unassigned, and obsolete batch steps can be deleted.

User Response: Take the batch step out of production. Then try the request again.

SAT3033N Satellite synchronization failed because the satellite control database SATCTLDB cannot be found in the database directory.

Explanation: The satellite control database is not cataloged correctly in the database directory.

User Response: Contact the help desk or your system administrator.

SAT3034N Satellite synchronization failed because of an authentication error at the satellite control server.

Explanation: Either the user ID or the password sent to the control server is not correct.

User Response: Contact the help desk or your system administrator.

SAT3035N Satellite synchronization failed because the satellite ID could not be found locally.

Explanation: This error may result from bypassing the operating system logon.

User Response: If you are already logged on to the operating system, contact the help desk or your system administrator.

SAT3036N Satellite synchronization failed because the satellite control server does not recognize this satellite.

Explanation: Either the satellite ID is not defined correctly on the satellite or this satellite is not defined correctly at the satellite control server.

User Response: Contact the help desk or your system administrator.

SAT3037N Satellite synchronization failed because of an unknown error.

Explanation: Unknown.

User Response: Contact the help desk or your system administrator.

SAT3038N The synchronizer has detected a severe DB2 error. Synchronization cannot continue.

Explanation: The cause of this severe error is not known.

User Response: Contact the help desk or your system administrator.

SAT3039N Satellite synchronization failed. The satellite is in fail state at the satellite control server.

Explanation: This satellite is in fail state, and must be fixed.

User Response: Contact the help desk or your system administrator.

SAT3040N Satellite synchronization failed because the satellite control server cannot be contacted.

Explanation: Communications could not be established between the satellite and its control server. One possible reason is that the control server is not operational, or communications configuration is not correct (for example, the host name or port number for the satellite control server is not correct).

User Response: Contact the help desk or your system administrator.

SAT3041N **Satellite synchronization failed because communications with the satellite control server was lost.**

Explanation: A communication link failure occurred. Either the satellite control server became inactive, or a network failure was experienced.

User Response: Contact the help desk or your system administrator.

SAT3042N **The satellite synchronization session did not complete all tasks successfully.**

Explanation: An error occurred during the satellite synchronization session.

User Response: Contact the help desk or your system administrator.

SAT3043N **The satellite synchronization session did not start successfully.**

Explanation: An error occurred during the start-up phase of the satellite synchronization session.

User Response: Contact the help desk or your system administrator.

SAT3044N **The cleanup phase of the satellite synchronization session did not complete successfully.**

Explanation: An error occurred during the cleanup phase of the satellite synchronization session.

User Response: Contact the help desk or your system administrator.

SAT3045N ***control-server* is not a valid replication control server.**

Explanation: The selected server is not a valid replication control server. The request cannot be completed.

User Response: Select a valid replication control server, then try the request again.

SAT3046N **No generalized replication subscription sets exist for application version *application-version-name* in group *group-name*.**

Explanation: There are no generalized replication subscription sets for the application version *application-version-name* in the group *group-name*. A generalized replication subscription set must exist before it can be customized.

User Response: Generalize one or more replication subscription sets for the application version, and try the request again.

SAT3047N **The input for field *field-name* exceeds the limit. The maximum allowable length for this field is *maximum-length*.**

Explanation: The length of the input in field *field-name* exceeds the limit *maximum-length*.

User Response: Ensure that the input is within the maximum limit, then try the request again.

SAT3048N **More than one target server is associated with apply qualifier *apply-qualifier* at control server *control-server*.**

Explanation: A target server of a replication subscription represents a satellite in the group that is executing the specified application version. Consequently, there can only be one target server for a given apply qualifier. If your replication configuration specifies a single target server, then the associated apply qualifier may not have been correctly specified. Otherwise, your replication configuration may not be acceptable for generalization to the satellite environment.

User Response: First verify that the replication configuration does not specify more than one target server. If it does, correct the replication

configuration, then try the generalize replication subscription request again. If the replication configuration does not specify more than one target server, ensure that the correct apply qualifier is specified for the generalize replication subscription request. Then try the request again.

SAT3049N The file name is not valid.

Explanation: The file name is not valid because it contains at least one of the following characters: \ / : * ? " < > |

User Response: Ensure that the file name does not contain any of the above characters. Then try the request again.

SAT3050N One or more of the selected satellites does not have an application version.

Explanation: You cannot change the replication parameters for a satellite that does not have an application version.

User Response: Ensure that every selected satellite has an application version. Then try the request again.

SAT3051N The generalization of the replication subscriptions failed. At least one of the generated scripts is empty.

Explanation: At least one of the scripts generated are empty.

User Response: Try the generalization again. If the problem persists, contact IBM Service.

SAT3052N The database alias or database name *name* cannot be found.

Explanation: The database name or the alias that is specified in the command cannot be found. Either the database is not cataloged in the database directories, or does not exist.

User Response: Ensure that the specified database name exists in the system database directory, and verify that the database exists. Then try the request again.

SAT4000C *cdb* is not a valid satellite control database.

Explanation: The database named *cdb* is not a valid satellite control database. Any database that is named SATCTLDDB is initially assumed to be a satellite control database. Any action pertaining to satellite administration that is performed against such a database will first verify that the database is valid. The action will not succeed if the database is not configured correctly. If *cdb* is a satellite control database, then its configuration has been altered such that it can no longer be used. Otherwise, a non-control database has been given the name SATCTLDDB.

User Response: To avoid misrepresenting a database as a satellite control database, rename the database to anything other than SATCTLDDB. If *cdb* is a satellite control database, verify its configuration with the original definition.

Chapter 14. SPM Messages

This section contains the sync point manager (SPM) messages. The messages are listed in numeric sequence.

SPM0400 **Indoubt transaction resolution with DBALIAS=*dbalias* shows heuristic damage - the database rolled back the UOW and the coordinator with LUNAME=*luname* committed. The transaction is identified by LUWID=*luwid*.**

Explanation: DB2 was the DRDA2 AS for the transaction identified by *luwid*. Resolution with the DB2 database shows heuristic damage occurred. The database identified by *dbalias* manually resolved the indoubt transaction. The DB2 database at *luname* rolled back the transaction. This is inconsistent with the commit decision of the DRDA2 coordinator at *luname*.

- The application was told that the transaction was committed.
- Any resources updated at the participant were rolled back.

dbalias The alias name of the DB2 database.

luname The LU name of the coordinator.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

Indoubt resolution with the participant completes.

User Response: Call the database administrator.

Database Administrator Action: Inform the database administrators at both the COORDINATOR *luname* and at the DATABASE *dbalias* that heuristic damage occurred for the transaction with *luwid*. DB2 was a DRDA2 AS for

the transaction. The DRDA2 AR at COORDINATOR *luname* made the decision to COMMIT the database updates made by *luwid*. The *dbalias* PARTICIPANT made a heuristic decision to ROLL BACK the updates made by *luwid*.

SPM0401 **Indoubt transaction resolution with DBALIAS=*dbalias* shows heuristic damage - the database committed and the coordinator with LUNAME=*luname* rolled back. The transaction is identified by LUWID=*luwid*.**

Explanation: DB2 was the DRDA2 AS for the transaction identified by *luwid*. Resolution with the DB2 DATABASE shows heuristic damage occurred. The database identified by *dbalias* manually resolved the indoubt transaction. The *dbalias* committed the transaction. This is inconsistent with the roll back decision of the DRDA2 COORDINATOR at *luname*.

- The application was told that the transaction was rolled back.
- Any resources updated at the participant were committed.

dbalias The alias name of the DB2 database.

luname The LU name of the coordinator.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

Indoubt resolution with the participant completes.

User Response: Call the database administrator.

Database Administrator Action: Inform the database administrators at both the COORDINATOR *luname* and at the DATABASE *dbalias* that heuristic damage occurred for the transaction with *luwid*. DB2 was a DRDA2 AS for the transaction. The DRDA2 AR at COORDINATOR *luname* made the decision to roll back the database updates made by *luwid*. At the PARTICIPANT *dbalias* a heuristic decision was made to COMMIT the updates made by *luwid*.

SPM0402 Indoubt transaction resolution with participant with LUNAME=*luname* and DBALIAS=*dbalias* shows heuristic damage - the participant committed and DB2 rolled back. The transaction is identified by LUWID=*luwid*.

Explanation: DB2 has coordinator responsibility for the transaction identified by *luwid*. Resolution with the participant shows heuristic damage occurred. The participant identified by *luname* and *dbalias* manually resolved the indoubt transaction. The action taken was to commit the transaction. This is inconsistent with the roll back decision of the coordinator.

- The application was told that the unit of work was rolled back.
- Any resources updated at the participant were committed.

dbalias The database alias of the participant.

luname

The LU name of the participant.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

Indoubt resolution with the participant completes.

User Response: Call the database administrator.

Database Administrator Action: Inform the local database administrator and the database administrator at *luname* that heuristic damage occurred for the transaction with *luwid*. DB2 was the coordinator for the transaction and made the decision to roll back the database updates made by *luwid*. At *luname* a heuristic decision was made to COMMIT the updates made by *luwid*.

SPM0403 Indoubt transaction resolution with participant with LUNAME=*luname* and DBALIAS=*dbalias* shows heuristic damage - the participant rolled back and DB2 committed. The transaction is identified by LUWID=*luwid*.

Explanation: DB2 has coordinator responsibility for the transaction identified by *luwid*. Resolution with the participant shows heuristic damage occurred. The participant identified by *luname* and *dbalias* manually resolved the indoubt transaction. The action taken was to roll back the UOW. This is inconsistent with the commit decision of the coordinator.

- The application was told that the transaction committed.
- Any resources updated at the participant were rolled back.

luname

The LU name of the participant.

dbalias The data base alias of the participant.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

Indoubt resolution with the participant completes.

User Response: Call the database administrator.

Database Administrator Action: Inform the local database administrator and the database administrator at *luname* that heuristic damage occurred for the transaction with *luwid*. DB2 was the coordinator for the transaction and made the

decision to COMMIT the database updates made by *luwid*. At *luname* a heuristic decision was made to ROLL BACK the updates made by *luwid*.

SPM0404 Protocol error during indoubt transaction resolution with coordinator with LUNAME=*luname1* - the DB2 database with LUNAME=*luname2* has an indoubt transaction which is identified by LUWID=*luwid*.

Explanation: DB2 was the DRDA2 AS for the transaction identified by *luwid*. The DB2 transaction associated at the database with LUNAME=*luname2* is indoubt. A protocol error occurred during indoubt resolution with the coordinator identified by *luname1*.

luname1

The LU name of the partner acting as the coordinator.

luname2

The LU name of the database where the transaction is indoubt.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

The indoubt transaction remains indoubt. A Resync Protocol Violation trace record is written.

User Response: Call the database administrator.

Database Administrator Action: DB2 does not attempt to automatically resolve the indoubt transaction. The transaction must be manually resolved. The commit or abort decision made at the coordinator must be determined so that the same decision can be made at this participant DB2.

Contact the database administrator at the coordinator with *luname* and *dbalias*, to determine whether the transaction committed or aborted.

Use the LIST INDOUBT TRANSACTIONS command at this (the participant) *dbalias* to

resolve the indoubt transaction.

SPM0405 A transaction with LUWID=*luwid* at the DB2 database with LUNAME=*luname1* is indoubt because of a communication failure with the coordinator with LUNAME=*luname2*.

Explanation: During execution of the two phase commit protocol with the coordinator at *luname2*, a communication failure occurred. Phase 1 of the protocol completed and the transaction at the database with *luname1* is indoubt.

The transaction is placed in the indoubt state and appears in the LIST DRDA INDOUBTS TRANSACTIONS report. Periodic attempts are made to reestablish communication with the coordinator for automatic resolution.

luname1

The LU name of the database where the transaction is indoubt.

luname2

The LU name of the coordinator.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the indoubt unit of work is printed following this message.

Periodic attempts will be made to automatically resolve the indoubt transaction.

User Response: Determine the cause of the communication failure and have the problem corrected. DB2 periodically attempts to establish communication for automatic resolution. If automatic resolution does not occur in a reasonable amount of time, call the database administrator. Manual resolution of the indoubt transaction might be necessary to release locked resources.

Database Administrator Action: If manual resolution is necessary:

- Determine the commit or abort decision made at the coordinator so that the same decision can be made at the DB2 database. Contact the

database administrator at the coordinator with *luname* to determine whether the transaction committed or aborted.

- Use the LIST INDOUBTS TRANSACTION command at this (the participant) *dbalias* to resolve the indoubt transaction.

SPM0406 A transaction with LUWID=*luwid* at the participant with LUNAME=*luname* and DBALIAS=*dbalias* may be indoubt because of a communication failure. DB2 committed.

Explanation: During execution of the two phase commit protocol with the participant at *luname*, a communication failure occurred. Phase 1 of the protocol completed and the transaction is prepared for either commit or abort. The decision to commit the transaction was made, but cannot be communicated to the participant at this time. The participant is indoubt.

DB2 becomes responsible for indoubt resolution with the participant. This responsibility appears in the LIST DRDA INDOUBTS TRANSACTION report. Periodic attempts are made to reestablish communication with the participant for automatic resolution.

luname The LU unit name of the participant.

dbalias The database alias name of the participant.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

Periodic attempts will be made to automatically resolve the indoubt transaction at the participant.

User Response: Determine the cause of the communication failure and have the problem corrected. DB2 periodically attempts to reestablish communication for automatic resolution. If automatic resolution does not occur in a reasonable amount of time, call the database administrator. Manual resolution of the

transaction might be necessary at the participant to release locked resources.

Database Administrator Action: If manual resolution is necessary, inform the database administrator at the participant that the decision is commit.

SPM0407 Automatic resolution of the transaction with LUWID=*luwid* with the coordinator at LUNAME=*luname* resulted in commit. The DB2 Universal Database is = *dbname*.

Explanation: The indoubt transaction at the database identified by *dbname* was automatically resolved by communication with the coordinator identified by *luname*. The transaction was committed.

luname1 The LU name of the coordinator.

luwid The SNA logical unit of work id of the transaction.

luname2 The LU name of the database where the changes were made.

The XID associated with the unit of work is printed following this message.

Processing continues normally.

SPM0408 A communication failure occurred during automatic resolution with partner with LUNAME=*luname*. Communication protocol being used=*protocol*. Communication API being used=*api*. Communication function detecting the error=*function*. Protocol specific error codes: *rc1*, *rc2*, *rc3*.

Explanation: One or more indoubt transactions exist with *luname*. DB2 attempted to automatically resolve the indoubt transaction but a communication error occurred.

protocol

The communication protocol being used. Only "APPC" is supported.

api

The communication api being used. Either "CM2 APPC" or "SNA/6000 OS Subroutines" may be specified.

codes

For "CM2 APPC" api, the rc1, rc2, and rc3 contain the primary return code, secondary return code and possibly an SNA sense code. For "SNA/6000 OS Subroutines" api, rc1 contains the `errno` global variable.

User Response: Determine the cause of the communication failure and have the problem corrected. DB2 periodically attempts to reestablish communication for automatic resolution. If automatic resolution does not occur in a reasonable amount of time, call the database administrator. Manual resolution of the transaction might be necessary at the participant to release locked resources.

Database Administrator Action: If manual resolution is necessary, inform the database administrator at the participant that the decision is commit.

SPM0409

A transaction with LUWID=*luwid* cannot be resolved due to a cold start with LUNAME=*luname*. DB2 transaction status=*status*. DB2 responsibility=*responsibility*.

Explanation: An indoubt transaction exists with the partner at *luname*. DB2 is unable to resolve the indoubt transaction because the partner has lost all knowledge of indoubt transactions due to a previous cold start.

luwid The SNA logical unit of work id of the transaction.

status The commit status of the transaction as known by DB2. The commit status may be indoubt, committed, or rolled back.

responsibility

DB2 transaction responsibility. DB2 may be the coordinator or may be the participant.

User Response: There is probably inconsistent data at the coordinator and participant. Inform database administrator of the status of the transaction.

Database Administrator Action: Manual resolution is necessary. The heuristic decision (that is, to commit or roll back the transaction) should be coordinated with any other participants and/or the coordinator. The existence of other participants might not be easy to determine. The information might be available in the coordinators recovery log even though the coordinator performed a cold start.

The commit or abort decision provided using the LIST INDOUBT TRANSACTIONS command for the transaction are propagated to all downstream participants, if any.

SPM0410

Warm start connection by partner with LUNAME=*luname* rejected. Partner changed at least 1 of - our log name *oldourname*(*newourname*), their log name *oldtheirname*(*newtheirname*), sync point protocol *oldpa*(*newpa*), flag byte sent *oldfb*(*newfb*), ccluname sent *oldccls*(*newccls*), and indoubt transactions require resolution.

Explanation: An attempt to make a warm start connection with a partner was rejected because the partner specified a different set of sync point parameters than the ones that were in use when communications were lost. DB2 has knowledge of indoubt transactions that involve the partner as either the coordinator or a participant. This error might be a recoverable error if the partner can restart with the original sync point parameters. If this is not possible, then the partner must perform a cold start connection with DB2.

luname

The LU name of the partner.

oldourname

The log name for this DB2 subsystem. This value is null if the partner did not initiate the log name exchange.

newourname

The log name for this DB2 subsystem, as remembered by our partner and sent to us in the attempted warm start connection. This value is null if the partner did not initiate the log name exchange.

oldtheirname

The log name used by the partner during the last connection, as remembered by DB2.

newtheirname

The log name used by the partner in the attempted warm start connection.

oldpa The sync point protocol used during the last connection, as remembered by the DB2 (PA - Presumed Abort, PN - Presumed Nothing).

newpa The sync point protocol used during the last connection, as remembered by the partner (PA - Presumed Abort, PN - Presumed Nothing).

oldfb The use of the PS header byte 2 during the last connection, as remembered by DB2 (F - used as flag byte, N - not used as flag byte).

newfb The use of the PS header byte 2 during the last connection, as remembered by the partner (F - used as flag byte, N - not used as flag byte).

oldccls Whether the luname of the conversation correlator was exchanged as part of the sync point protocol during the last connection, as remembered by DB2. (E - was exchanged, N - was not exchanged).

newccls

Whether the luname of the conversation correlator was exchanged as part of the sync point protocol during the last connection, as remembered by the partner (E - was exchanged, N - was not exchanged).

The connection with the partner is rejected. DB2 retains indoubt knowledge.

User Response: Call the database administrator.

Database Administrator Action: Contact the database administrator at the partner *luname* and determine if it is possible for the partner to perform a warm start with same sync point parameters as ours ('oldourname', 'oldtheirname', 'oldpa', 'oldfb', 'oldccls'). If this is possible, the next attempt to connect will succeed.

If this cannot be done, then there are two other possible solutions:

- Have the partner *luname* perform a cold start connection with this DB2 subsystem.
- Force the next connection with the partner to be a cold start connection.

SPM0411 Cold start connection by coordinator with LUNAME=*luname* accepted. Indoubt transactions need manual resolution.

Explanation: DB2 was the DRDA2 AS and has participant responsibility for indoubt transactions. The coordinator informed DB2 that it performed a cold start operation and lost all knowledge of indoubt transactions. The indoubt transactions at this DB2 must be manually resolved with the LIST INDOUBT TRANSACTIONS command.

dbalias The database alias name of the coordinator.

The connection with the partner is accepted. A trace record is written.

User Response: Call the database administrator.

Database Administrator Action: DB2 is a participant with one or more indoubt transactions where the coordinator is *luname*. The DBMS at *luname* performed a cold start. The DB2 participant assumes that the coordinator recovery log was lost or damaged and indoubt transaction resolution cannot be achieved. There is probably inconsistent data at the coordinator.

The heuristic decision (that is, to commit or abort the transaction should be coordinated with any other participants. The existence of other

participants might not be easy to determine. The information might be available in the coordinators recovery log even though the coordinator performed a cold start.

The commit or abort decision provided using the LIST INDOUBT TRANSACTIONS command for the transaction are propagated to all downstream participants, if any.

SPM0412 **Protocol error detected in sync point communications with coordinator with LUNAME=*luname1*. The transaction with LUWID=*luwid* at the DB2 database with LUNAME=*luname2* may be indoubt.**

Explanation: DB2 is a participant in the transaction. A protocol error occurred during the SNA sync point exchange with the coordinator identified by *luname*. The protocol error fits into one of the following categories:

- An unknown SNA PS header was received.
- An SNA PS header was received in the wrong sequence.
- An invalid LU6.2 verb sequence was used to deliver the SNA PS header.
- A DEALLOCATE TYPE(ABEND_SVC) was received from the coordinator, indicating that the coordinator detected a protocol violation in the PS headers transmitted by DB2.

luname1 The LU name of the coordinator.

luname2 The LU name of the database where the transaction is indoubt.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

If the protocol error was detected before the commit decision, the transaction at the database with LU name=*luname2* may be indoubt. DB2

does not automatically resolve such an indoubt transaction because of the protocol error.

If the protocol error was detected after the commit decision, the transaction either completed commit or abort processing.

A Syncpoint Protocol Violation trace is written.

User Response: The database administrator might need to manually resolve the indoubt transaction.

Database Administrator Action: Determine if the transaction is indoubt. If it is indoubt, it must be manually resolved using the LIST INDOUBT TRANSACTIONS command. The commit or abort decision made at the coordinator must be determined so that the same decision can be made at DB2.

Contact the database administrator at the coordinator *dbalias* to determine whether the transaction with LUWID=*luwid* committed or aborted.

If the coordinator system is another DB2, then the following steps can be taken at the DB2 coordinator to determine the commit or abort decision.

SPM0413 **Protocol error detected in sync point communications with participant with LUNAME=*luname* and DBALIAS=*dbalias*. The transaction with LUWID=*luwid* may be indoubt at the participant. DB2 committed.**

Explanation: DB2 is the coordinator of the transaction. A protocol error occurred during the SNA sync point exchange with the participant identified by *luname* and *dbalias*. The protocol error fits into one of the following categories:

- An unknown SNA PS header was received.
- An SNA PS header was received in the wrong sequence.
- An invalid LU6.2 verb sequence was used to deliver the SNA PS header.
- A DEALLOCATE TYPE(ABEND_SVC) was received from the participant, indicating that

the participant detected a protocol violation in the PS headers transmitted by DB2.

luname
The LU name of the participant.

dbalias The database alias name of the participant.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

If application was told that the transaction committed.

There may be an indoubt transaction at the participant and if so, the indoubt transaction must be manually resolved. DB2 does not automatically resolve the indoubt transaction because of the protocol error.

A Syncpoint Protocol Violation trace record is written.

User Response: Call the database administrator. The participant might need to manually resolve the indoubt transaction.

SPM0414 Protocol error during indoubt transaction resolution with participant with LUNAME=*luname* and DBALIAS=*dbalias*. The transaction with LUWID=*luwid* may be indoubt at the participant. DB2 rolled back.

Explanation: DB2 has coordinator responsibility for the transaction which was rolled back. A protocol error occurred during indoubt resolution with the participant identified by *luname* and *dbalias*.

The transaction at the participant remains indoubt. DB2 will not attempt to automatically resolve the indoubt transaction because of the protocol violation.

luname
The LU name of the participant.

dbalias The database alias name of the participant.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

A Resync Protocol Violation trace record is written.

User Response: Call the database administrator. The participant might need to manually resolve the indoubt transaction.

Database Administrator Action: If the transaction is indoubt at the participant, it must be manually (heuristically) resolved.

SPM0415 Automatic resolution of the transaction with LUWID=*luwid* with the coordinator at LUNAME=*luname* resulted in roll back. The DB2 Universal Database is = *dbname*.

Explanation: The indoubt transaction at the database identified by *dbname* was automatically resolved by communication with the coordinator identified by *luname*. The transaction was rolled back.

luname1
The LU name of the coordinator.

luwid The SNA logical unit of work id of the transaction.

luname2
The LU name of the database where the changes were made.

The XID associated with the unit of work is printed following this message.

Processing continues normally.

SPM0416 Cold start connection rejected by partner with LUNAME *luname*.

Explanation: DB2 attempted to make a cold-start connection with a partner *dbalias*. The partner rejected this attempted connection.

luname

The LU name of the coordinator.

The connection was not made.

User Response: Call the database administrator.

Database Administrator Action: DB2 is not able to connect the partner *luname* until the partner *luname* allows a cold-start connection with DB2. Contact the database administrator at the partner *luname*.

Contact your IBM Support Center for further assistance.

SPM0417 Protocol error detected in sync point communications with participant with LUNAME=*luname* and DBALIAS=*dbalias*. The transaction with LUWID=*luwid* may be indoubt at the participant. DB2 rolled back.

Explanation: DB2 is the coordinator of the transaction. A protocol error occurred during the SNA sync point exchange with the participant identified by *luname* and *dbalias*. The protocol error fits into one of the following categories:

- An unknown SNA PS header was received.
- An SNA PS header was received in the wrong sequence.
- An invalid LU6.2 verb sequence was used to deliver the SNA PS header.
- A DEALLOCATE TYPE(ABEND_SVC) was received from the participant, indicating that the participant detected a protocol violation in the PS headers transmitted by DB2.

luname

The LU name of the participant.

dbalias The database alias name of the participant.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

If application was told that the transaction rolled back.

There may be an indoubt transaction at the participant and if so, the indoubt transaction must be manually resolved. DB2 does not automatically resolve the indoubt transaction because of the protocol error.

A Syncpoint Protocol Violation trace record is written.

User Response: Call the database administrator. The participant might need to manually resolve the indoubt transaction.

SPM0420 Cold start connection by participant with LUNAME=*luname* accepted. Possible damage.

Explanation: DB2 has coordinator responsibility for indoubt transactions at a participant and just connected with the participant, which lost all knowledge of indoubt transactions because of a previous cold start. There might be damage at the participant.

luname

The LU name of the participant where there might be damage.

The connection with the partner is accepted.

User Response: Call the database administrator.

Database Administrator Action: DB2 is the coordinator with indoubt transaction resolution responsibility for one or more indoubt units of work at *luname*. The DBMS at *luname* performed a cold start. DB2 assumes that the participant recovery log was lost or damaged and indoubt transaction resolution cannot be achieved. There is probably inconsistent data at the participant. Minimally, the participant might not completely reflect the final outcome of the transactions that

were indoubt at the time the failure occurred.

SPM0421 SNA XLN protocol violation by partner with LUNAME=*luname*.

Explanation: DB2 detected a protocol violation in the SNA Exchange Log Names (XLN) exchange with the partner at the specified *luname*.

luname

The LU name of the partner that sent the invalid XLN message.

The attempt to connect with the remote site fails. An XLN Protocol Violation trace record is written.

User Response: Contact the system programmer for the remote site. The invalid XLN message is recorded in the trace record. The system logic error that causes the invalid XLN message must be corrected at the remote site.

SPM0422 Warm start connection by partner with LUNAME=*luname* rejected because the partner remembers our log name incorrectly. Our log name is *name1* and the partner remembers it as *name2*.

Explanation: An attempt to make a warm start connection with a partner was rejected because the partner specified our log name as *name2*. Our log name is *name1*, which is the luname of the local DB2. This error might be a recoverable error if the partner can restart with our log name as *name1*. If this is not possible, then the partner must perform a cold start connection with DB2.

luname

The LU name of the partner with which the connection failed.

name1 Our log name, as remembered by us.

name2 Our log name, as remembered by our partner and sent to us in the attempted warm start connection.

The connection with the partner is rejected.

User Response: Call the database administrator.

Database Administrator Action: Contact the database administrator at the partner *luname* and determine if it is possible for the partner to perform a warm start with our log name specified as the luname of this DB2. If this is possible, the next attempt to connect will succeed. Or have the partner *luname* perform a cold start connection with DB2.

SPM0423 Automatic resolution of the transaction with LUWID=*luwid* with the partner at LUNAME=*luname* and DBALIAS=*dbalias* resulted in commit.

Explanation: The indoubt unit of work was automatically resolved by communication with the participant. The participant has been notified of the commit decision.

luname

The LU name of the participant.

dbalias The database alias name of the participant.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

Processing continues normally.

SPM0424 Automatic resolution of the transaction with LUWID=*luwid* with the participant at LUNAME=*luname* and DBALIAS=*dbalias* resulted in roll back.

Explanation: The indoubt unit of work was automatically resolved by communication with the participant. The participant has been notified of the roll back decision.

luname

The LU name of the participant.

dbalias The database alias name of the participant.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

Processing continues normally.

SPM0425 A transaction with LUWID=*luwid* at the participant with LUNAME=*luname* and DBALIAS=*dbalias* may be indoubt because of a communication failure. DB2 rolled back.

Explanation: During execution of the two phase commit protocol with the participant at *luname*, a communication failure occurred. Phase 1 of the protocol completed and the transaction is prepared for either commit or abort. The decision to roll back the transaction was made, but cannot be communicated to the participant at this time. The participant is indoubt.

DB2 becomes responsible for indoubt resolution with the participant. This responsibility appears in the LIST DRDA INDOUBTS TRANSACTION report. Periodic attempts are made to reestablish communication with the participant for automatic resolution.

luname The LU unit name of the participant.

dbalias The database alias name of the participant.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

Periodic attempts will be made to automatically resolve the indoubt transaction at the participant.

User Response: Determine the cause of the communication failure and have the problem corrected. DB2 periodically attempts to reestablish communication for automatic resolution. If automatic resolution does not occur in a reasonable amount of time, call the database

administrator. Manual resolution of the transaction might be necessary at the participant to release locked resources.

Database Administrator Action: If manual resolution is necessary, inform the database administrator at the participant that the decision is roll back.

SPM0426 Protocol error detected during indoubt transaction resolution with participant at LUNAME=*luname* and DBALIAS=*dbalias*. The transaction with LUWID=*luwid* may be indoubt at the participant. DB2 committed.

Explanation: DB2 has coordinator responsibility for the transaction which was committed. A protocol error occurred during indoubt resolution with the participant identified by *luname* and *dbalias*.

The transaction at the participant remains indoubt. DB2 will not attempt to automatically resolve the indoubt transaction because of the protocol violation.

luname The LU name of the participant.

dbalias The database alias name of the participant.

luwid The SNA logical unit of work id of the transaction.

The XID associated with the unit of work is printed following this message.

A Resync Protocol Violation trace record is written.

User Response: Call the database administrator. The participant might need to manually resolve the indoubt transaction.

Database Administrator Action: If the transaction is indoubt at the participant, it must be manually (heuristically) resolved.

SPM0434 Sync point manager not available - incorrect communications level.

Explanation: The local communications release level is older than the minimum release level or the communication manager is incorrectly configured to support APPC SYNCLEVEL(SYNC) conversations.

The attempt to create a protected conversation fails.

User Response: Install and configure the correct communications level required to support SYNCLEVEL(SYNC) conversations.

SPM0438 The Sync point manager recovery log is bad.

Explanation: The sync point manager recovery log is inconsistent and cannot be used to perform recovery during DB2 start up processing.

User Response: Indoubt transactions may exist at DRDA2 application servers. These indoubt transactions must be recovered manually.

Call the database administrator.

Database Administrator Action: To start the sync point manager, erase the spmlog directory and start DB2. This will cause DB2 to create new sync point log files and to establish cold start connections with all DRDA2 application servers.

SPM0439 Sync point manager unrecoverable error while attempting to write to the sync point manager recovery log.

Explanation: The sync point manager log is inconsistent and cannot be used. An unrecoverable error has been detected while attempting to write to the SPM log during DB2 processing.

User Response: The sync point manager will not allow any new synclevel(twophase) connections. Issue the LIST DRDA INDOUBT TRANSACTIONS command to determine the status of any indoubt transactions.

Call the database administrator.

Database Administrator Action: To start the sync point manager, erase the spmlog directory and start DB2. This will cause DB2 to create new sync point log files and to establish cold start connections with all DRDA2 application servers.

SPM0440E Error encountered while trying to start *protocol* protocol support. Return code from *function* was *rc*. The most probable cause for this error is that SNA has not been started. Please stop DB2, start SNA, and restart DB2.

SPM0441 The sync point manager is not available for the sync point manager LU. The sync point manager LU is *lu-name* and the LU profile is *lu-profile*.

Explanation: The sync point support could not be enabled by DB2. The most likely causes of this are:

1. The AIX SNA communications level is invalid. For sync point support AIX SNA V2 or greater is required.
2. For AIX SNA V2, the Recovery Resource Manager (RRM) is not enabled. This parameter can be found in SNA System Defaults. Enable this parameter, verify the SNA profile, then stop and restart both AIX SNA and DB2.
3. For AIX SNA V3, the Recovery Resource Manager (RRM) is not enabled for the sync point manager LU *lu-name*. This parameter can be found in the LU definition for LU *lu-name*. Enable this parameter, verify the SNA profile, then stop and restart both AIX SNA and DB2.

User Response: Determine the reason based on the previously described possibilities. Correct and retry.

SPM0442 **Sync point manager not available. The most probable cause for the failure is that a CPIC Side information profile with the name *name* does not exist.**

Explanation: The sync point manager requires a CPIC Side Information Profile with the name *name*. This profile cannot be found or contains incorrect information.

User Response: Please correct the profile, verify the SNA profile, and stop and restart both DB2 and SNA. Refer to the DB2 Connect Quick Beginnings for information on how to configure sync point manager support.

SPM0443 **Sync point manager not available. The most probable cause for the failure is that the instance which is starting the sync point manager does not belong to one of the Trusted Group Names for AIX SNA.**

Explanation: In order for the sync point manager to initialise itself the instance in which DB2 is started needs certain authorities in order to interact with the SNA support. AIX SNA requires that the Trusted Group Names includes any userID that will issue these commands.

User Response: In the SNA System Defaults dialog, add the instance starting the sync point manager to one of the defined groups under Trusted Group Names. Stop and restart AIX SNA. Log off of the AIX Term, log back on to the instance ID, and restart DB2.

If this does not enable you to start the sync point manager, apply the most recent PTF for AIX SNA and retry the previous instructions.

SPM0444 **Sync point manager not available. The most probable cause for the failure is that a Transaction Program profile with the name *name* does not exist.**

Explanation: The sync point manager requires a Transaction Program Profile of the name *name*.

This profile cannot be found or contains incorrect information.

User Response: Please correct the profile, verify the SNA profile, and stop and restart both DB2 and SNA. Refer to the DB2 Connect Quick Beginnings for information on how to configure sync point manager support.

SPM0445 **The Transaction Program *tp-name* will not be listened for by DB2. This is not a severe error but if you require this Transaction Program then you must ensure it is NOT defined in the Transaction Profile of the AIX SNA configuration.**

Explanation: When the sync point manager initialises itself it registers Transaction Programs for which it will listen. In order for the sync point manager to listen for the named TP, it is necessary that no other Transaction Program Profile have this TP defined else there will be a conflict between the sync point manager and AIX SNA. If such a conflict exists then AIX SNA will listen and the sync point manager will not.

User Response: If you require the sync point manager to listen for the named TP then you must ensure that no other TP Profile references this transaction program. The sync point manager has started successfully regardless of this error.

SPM0446E The Transaction Program *tp-name* will not be listened for by DB2. This is a severe error. The sync point manager has failed to start. Most probable cause is either that another instance has started the sync point manager using the same SPM_NAME in their database manager configuration OR the Encina Peer to Peer Gateway exists on this same machine and the Transaction Program named is defined in an AIX SNA Transaction Profile.

Explanation: The sync point manager tried to register this TP but could not.

User Response: Remove the TP Profile from AIX SNA. Stop and restart both DB2 and AIX SNA.

SPM0447E Error encountered while trying to start *protocol* protocol support. Return code from *function* was *rc*. The most probable cause for this error is that the LU *lu-name* is already in use for sync point management. Ensure the Encina Peer to Peer Gateway or another sync point manager is not using this LU.

Explanation: An LU can be registered with AIX SNA as supporting sync point by at most one application. In this case, the requested sync point manager LU is already registered. The most likely cause is that the Encina Peer to Peer Gateway is using this LU as a sync point manager or another DB2 instance is using this as a sync point manager.

User Response: Change the SPM_NAME in the database manager configuration such that a unique LU is used. Stop and restart DB2.

SPM0448E Error encountered while trying to start the sync point manager protocol support. The sync point manager failed to register LUNAME *luname* for sync point support since this LU has been configured for SNA API client use. Either choose a different LU for the sync point manager or disable the SNA API client use in the Local LU 6.2 definition for this LU.

Explanation: This error occurs when the customer is trying to start the sync point manager using CS/NT V5.01 and is using a Local LU 6.2 definition where the SNA API client use flag has been set.

User Response: Either choose a different local LU 6.2 (without the SNA API client use configured) or disable the SNA API client use flag for the Local LU 6.2 definition.

SPM0449E Connection attempt failed. The most probable cause for the failure is that the LU specified in the CPIC Side information profile *profile1* does not match the sync point manager LU specified in the CPIC Side information profile *profile2*.

Explanation: In order to have proper communications with the host system, any CPIC Side information profile defined for communication must specify the same LU as defined for the configured sync point manager.

User Response: Update SNA CPIC Side information profile *profile1* with the proper LU, verify the SNA profile, stop and restart both SNA and DB2, and try the connection again.

SPM0450E Library could not be loaded. Access Permissions denied.

Explanation: The most probable cause for this problem is a result of a bug in Windows NT.

User Response: Ensure that all network drives

in your System and local PATH statement are at the end of the PATH statement. Select Start/Settings/Control Panel/System/Environment/System/Path and move all network drives to the end of the path statement. Then shutdown and restart the system.

SPM0451E MS SNA Server not started.

Explanation: The SNA server is not started.

User Response: Please start SNA Server and restart DB2.

SPM0452I Ensure that the SPM_NAME specified in the database manager configuration is not the same as the Control Point name *name*. The SPM_NAME has been temporarily replaced with *temp-name*.

Explanation: The SPM_NAME cannot be the same as the Control Point name. The SPM_NAME has been temporarily replaced with an alternate name, but the database manager configuration file has not been changed.

User Response: Update the SPM_NAME in the database manager configuration file. Specify a name that is not the Control Point name.

SPM0453C Sync point manager did not start because Microsoft SNA Server has not been started.

Explanation: This DB2 instance has been configured to start the sync point manager. However, the underlying SNA stack, Microsoft SNA Server, has not been started. Therefore the sync point manager support cannot be started.

User Response: Microsoft SNA Server must be started. Please stop DB2 by issuing the command DB2STOP FORCE. Then perform the following steps:

1. Start
2. Settings
3. Control Panel
4. Double click Services

5. Click SnaServer
6. Click Start

Once Microsoft SNA Server has started, restart DB2 by issuing the command DB2START.

SPM0454C Sync point manager was not started because it requires exclusive use of the Logical Unit (LU) represented by the LU Alias *lualias*.

Explanation: The sync point manager requires exclusive use of a Logical Unit (LU). The LU currently being used by the sync point manager is identified as part of the default outgoing Local APPC LU Pool. Therefore this LU is identified as being available for any application. The LU has also been identified as the LU to be used by the sync point manager via the SPM_NAME Database Manager Configuration parameter. Since the sync point manager requires exclusive use of this LU, the LU cannot be a member of the default outgoing Local APPC LU Pool.

User Response: Modify the LU definition so that the LU is not a member of the default outgoing Local APPC LU Pool, or change the SPM_NAME value to an LU which is not a member of this default pool. Stop and restart SNA Server. Then stop and restart DB2.

Please refer to the DB2 Connect Quick Beginnings Manual or the DB2 Universal Database Quick Beginnings Manual for instructions on defining an LU within Microsoft SNA Server to be used by the sync point manager.

SPM0455C Sync point manager was not started. The Logical Unit (LU) represented by the LU Alias *lualias* is not properly configured to be used by the sync point manager.

Explanation: To use sync point manager, you must configure the LU to be sync point enabled.

User Response: Modify the LU definition so that the LU is sync point enabled and the Client field contains the name of the SNA Server.

Restart SNA Server and then restart DB2.

Please refer to the DB2 Connect Quick Beginnings Manual or the DB2 Universal Database Quick Beginnings Manual for instructions on defining an LU within Microsoft SNA Server to be used by the sync point manager.

SPM0456C Sync point manager was not started. Ensure the Client field of the Logical Unit (LU) represented by the LU Alias *lualias* contains the name of this SNA Server.

Explanation: To start sync point manager, the LU must be sync point enabled. To sync point enable the LU, ensure that the “Enable Syncpoint Support” checkbox is checked and that the Client field contains the name of this SNA Server.

In this situation the “Enable Syncpoint Support” checkbox is checked but the Client field is not filled in.

User Response: Modify the LU definition so that the LU is sync point enabled and the Client field contains the name of the SNA Server. Stop and restart SNA Server and then stop and restart DB2.

Please refer to the DB2 Connect Quick Beginnings Manual or the DB2 Universal Database Quick Beginnings Manual for instructions on defining an LU within Microsoft SNA Server to be used by the sync point manager.

SPM0457W Another DB2 instance is already listening for transaction program DB2DRDA. This is not a fatal error. However, this instance will not listen for transaction program DB2DRDA.

Explanation: Unless the sync point manager is enabled, only a single DB2 instance can listen for Transaction Program DB2DRDA.

User Response: Define DB2 registry value DB2SERVICETPINSTANCE at a global level to define which instance listens for transaction

program DB2DRDA. Then restart all affected instances.

To define the DB2 registry value DB2SERVICETPINSTANCE at a global level, issue the following command:

```
db2set -g DB2SERVICETPINSTANCE=<instance-name>
```

where <instance-name> represents the name of the instance.

SPM0458W Another DB2 instance is already listening for transaction program x'07'6DB (hex 07F6C4C2). This is not a fatal error. However, this instance will not listen for transaction program x'07'6DB.

Explanation: Only a single DB2 instance can listen for transaction program x'07'6DB unless the sync point manager is enabled.

User Response: Define DB2 registry value DB2SERVICETPINSTANCE at a global level to define which instance listens for transaction program x'07'6DB (hex 07F6C4C2). Then restart all affected instances.

To define the DB2 registry value DB2SERVICETPINSTANCE at a global level, issue the following command:

```
db2set -g DB2SERVICETPINSTANCE=<instance-name>
```

where <instance-name> represents the name of the instance.

SPM0459W The version of SNA you have installed is incompatible with this version of DB2.

Explanation: DB2 Connect for AIX and DB2 Universal Database for AIX V6.1 and greater require IBM eNetwork Communication Server for AIX V5.0.3 or higher for SNA connectivity.

The required version of IBM Communication Server is not installed on this machine.

User Response: You must upgrade to the IBM eNetwork Communications Server for AIX

V5.0.3. The PTF can be downloaded from:

<http://service.software.ibm.com/cgi-bin/support/rs6000.support/downloads>.

Select AIX General Software Fixes, AIX Fix Distribution Service, AIX Version 4, and Search By PTF Number. Enter the search string sna.rte. Select Find Fix. Once the PTF is listed, select the PTF, then click Get Fix Package and follow the instructions.

SPM0460W The version of Microsoft SNA Server installed on this machine does not support the sync point manager.

Explanation: This instance is configured to use the DB2 SNA sync point manager with Microsoft SNA Server. The version of Microsoft SNA Server installed on this machine does not support the sync point manager.

User Response: To support the sync point manager, DB2 requires Microsoft SNA Server V4 Service Pack 3 or above.

To perform multisite update with DB2 Universal Database for OS/390, OS/400, or VM/VSE, you must install Microsoft SNA Server V4 Service Pack 3 or above. Once you have installed the correct version of Microsoft SNA Server, stop and restart DB2 Connect or DB2 Universal Database.

Chapter 15. XML Extender messages

DXXA000I **Enabling column** *<column_name>*.
Please Wait.

Explanation: This is an informational messages.

User Response: No action required.

DXXA001S **An unexpected error occurred in
build** *<build_ID>*, **file** *<file_name>*,
and line *<line_number>*.

Explanation: An unexpected error occurred.

User Response: If this error persists, contact your Software Service Provider. When reporting the error, be sure to include all the message text, the trace file, and an explanation of how to reproduce the problem.

DXXA002I **Connecting to database** *<database>*.

Explanation: This is an informational message.

User Response: No action required.

DXXA003E **Cannot connect to database**
<database>.

Explanation: The database specified might not exist or could be corrupted.

User Response:

1. Ensure the database is specified correctly.
 2. Ensure the database exists and is accessible.
 3. Determine if the database is corrupted. If it is, ask your database administrator to recover it from a backup.
-

DXXA004E **Cannot enable database**
<database>.

Explanation: The database might already be enabled or might be corrupted.

User Response:

1. Determine if the database is enabled.

2. Determine if the database is corrupted. If it is, ask your database administrator to recover it from a backup.
-

DXXA005I **Enabling database** *<database>*.
Please wait.

Explanation: This is an informational message.

User Response: No action required.

DXXA006I **The database** *<database>* **was
enabled successfully.**

Explanation: This is an informational message.

User Response: No action required.

DXXA007E **Cannot disable database**
<database>.

Explanation: The database cannot be disabled by XML Extender if it contains any XML columns or collections.

User Response: Backup any important data, disable any XML columns or collections, and update or drop any tables until there are no XML data types left in the database.

DXXA008I **Disabling column** *<column_name>*.
Please Wait.

Explanation: This is an information message.

User Response: No action required.

DXXA009E **Xcolumn tag is not specified in
the DAD file.**

Explanation: This stored procedure is for XML Column only.

User Response: Ensure the Xcolumn tag is specified correctly in the DAD file.

DXXA010E Attempt to find DTD ID <dtid> failed.

Explanation: While attempting to enable the column, the XML Extender could not find the DTD ID, which is the identifier specified for the DTD in the document access definition (DAD) file.

User Response: Ensure the correct value for the DTD ID is specified in the DAD file.

DXXA011E Inserting a record into DB2XML.XML_USAGE table failed.

Explanation: While attempting to enable the column, the XML Extender could not insert a record into the DB2XML.XML_USAGE table.

User Response: Ensure the DB2XML.XML_USAGE table exists and that a record by the same name does not already exist in the table.

DXXA012E Attempt to update DB2XML.DTD_REF table failed.

Explanation: While attempting to enable the column, the XML Extender could not update the DB2XML.DTD_REF table.

User Response: Ensure the DB2XML.DTD_REF table exists. Determine whether the table is corrupted or if the administration user ID has the correct authority to update the table.

DXXA013E Attempt to alter table <table_name> failed.

Explanation: While attempting to enable the column, the XML Extender could not alter the specified table.

User Response: Check the privileges required to alter the table.

DXXA014E The specified root ID column: <root_id> is not a single primary key of table <table_name>.

Explanation: The root ID specified is either not a key, or it is not a single key of table *table_name*.

User Response: Ensure the specified root ID is the single primary key of the table.

DXXA015E The column DXXROOT_ID already exists in table <table_name>.

Explanation: The column DXXROOT_ID exists, but was not created by XML Extender.

User Response: Specify a primary column for the root ID option when enabling a column, using a different different column name.

DXXA016E The input table <table_name> does not exist.

Explanation: The XML Extender was unable to find the specified table in the system catalog.

User Response: Ensure that the table exists in the database, and is specified correctly.

DXXA017E The input column <column_name> does not exist in the specified table <table_name>.

Explanation: The XML Extender was unable to find the column in the system catalog.

User Response: Ensure the column exists in a user table.

DXXA018E The specified column is not enabled for XML data.

Explanation: While attempting to disable the column, XML Extender could not find the column in the DB2XML.XML_USAGE table, indicating that the column is not enabled. If the column is not XML-enabled, you do not need to disable it.

User Response: No action required.

DXXA019E A input parameter required to enable the column is null.

Explanation: A required input parameter for the enable_column() stored procedure is null.

User Response: Check all the input parameters for the enable_column() stored procedure.

DXXA020E Columns cannot be found in the table <table_name>.

Explanation: While attempting to create the default view, the XML Extender could not find columns in the specified table.

User Response: Ensure the column and table name are specified correctly.

DXXA021E Cannot create the default view <default_view>.

Explanation: While attempting to enable a column, the XML Extender could not create the specified view.

User Response: Ensure that the default view name is unique. If a view with the name already exists, specify a unique name for the default view.

DXXA022I Column <column_name> enabled.

Explanation: This is an informational message.

User Response: No response required.

DXXA023E Cannot find the DAD file.

Explanation: While attempting to disable a column, the XML Extender was unable to find the document access definition (DAD) file.

User Response: Ensure you specified the correct database name, table name, or column name.

DXXA024E The XML Extender encountered an internal error while accessing the system catalog tables.

Explanation: The XML Extender was unable to access system catalog table.

User Response: Ensure the database is in a stable state.

DXXA025E Cannot drop the default view <default_view>.

Explanation: While attempting to disable a column, the XML Extender could not drop the default view.

User Response: Ensure the administration user ID for XML Extender has the privileges necessary to drop the default view.

DXXA026E Unable to drop the side table <side_table>.

Explanation: While attempting to disable a column, the XML Extender was unable to drop the specified table.

User Response: Ensure that the administrator user ID for XML Extender has the privileges necessary to drop the table.

DXXA027E Could not disable the column.

Explanation: XML Extender could not disable a column because an internal trigger failed. Possible causes:

- The system is out of memory.
- A trigger with this name does not exist.

User Response: Use the trace facility to create a trace file and try to correct the problem. If the problem persists, contact your Software Service Provider and provide the trace file.

DXXA028E Could not disable the column.

Explanation: XML Extender could not disable a column because an internal trigger failed. Possible causes:

- The system is out of memory.
- A trigger with this name does not exist.

User Response: Use the trace facility to create a trace file and try to correct the problem. If the problem persists, contact your Software Service Provider and provide the trace file.

DXXA029E Could not disable the column.

Explanation: XML Extender could not disable a column because an internal trigger failed.

Possible causes:

- The system is out of memory.
- A trigger with this name does not exist.

User Response: Use the trace facility to create a trace file and try to correct the problem. If the problem persists, contact your Software Service Provider and provide the trace file.

DXXA030E Could not disable the column.

Explanation: XML Extender could not disable a column because an internal trigger failed.

Possible causes:

- The system is out of memory.
- A trigger with this name does not exist.

User Response: Use the trace facility to create a trace file and try to correct the problem. If the problem persists, contact your Software Service Provider and provide the trace file.

DXXA031E Unable to reset the DXXROOT_ID column value in the application table to NULL.

Explanation: While attempting to disable a column, the XML Extender was unable to set the value of DXXROOT_ID in the application table to NULL.

User Response: Ensure that the administrator user ID for XML Extender has the privileges necessary to alter the application table.

DXXA032E Decrement of USAGE_COUNT in DB2XML.XML_USAGE table failed.

Explanation: While attempting to disable the column, the XML Extender was unable to reduce the value of the USAGE_COUNT column by one.

User Response: Ensure that the DB2XML.XML_USAGE table exists and that the administrator user ID for XML Extender has the necessary privileges to update the table.

DXXA033E Attempt to delete a row from the DB2XML.XML_USAGE table failed.

Explanation: While attempting to disable a column, the XML Extender was unable to delete its associate row in the DB2XML.XML_USAGE table.

User Response: Ensure that the DB2XML.XML_USAGE table exists and that the administration user ID for XML Extender has the privileges necessary to update this table.

DXXA034I XML Extender has successfully disabled column <column_name>.

Explanation: This is an informational message

User Response: No action required.

DXXA035I XML Extender is disabling database <database>. Please wait.

Explanation: This is an informational message.

User Response: No action is required.

DXXA036I XML Extender has successfully disabled database <database>.

Explanation: This is an informational message.

User Response: No action is required.

DXXA037E The specified table space name is longer than 18 characters.

Explanation: The table space name cannot be longer than 18 alphanumeric characters.

User Response: Specify a name less than 18 characters.

DXXA038E The specified default view name is longer than 18 characters.

Explanation: The default view name cannot be longer than 18 alphanumeric characters.

User Response: Specify a name less than 18 characters.

DXXA039E The specified `ROOT_ID` name is longer than 18 characters.

Explanation: The `ROOT_ID` name cannot be longer than 18 alphanumeric characters.

User Response: Specify a name less than 18 characters.

DXXA046E Unable to create the side table <side_table>.

Explanation: While attempting to enable a column, the XML Extender was unable to create the specified side table.

User Response: Ensure that the administrator user ID for XML Extender has the privileges necessary to create the side table.

DXXA047E Could not enable the column.

Explanation: XML Extender could not enable a column because an internal trigger failed.

Possible causes:

- The DAD file has incorrect syntax.
- The system is out of memory.
- Another trigger exists with the same name.

User Response: Use the trace facility to create a trace file and try to correct the problem. If the problem persists, contact your Software Service Provider and provide the trace file.

DXXA048E Could not enable the column.

Explanation: XML Extender could not enable a column because an internal trigger failed.

Possible causes:

- The DAD file has incorrect syntax.
- The system is out of memory.
- Another trigger exists with the same name.

User Response: Use the trace facility to create a trace file and try to correct the problem. If the problem persists, contact your Software Service Provider and provide the trace file.

DXXA049E Could not enable the column.

Explanation: XML Extender could not enable a column because an internal trigger failed.

Possible causes:

- The DAD file has incorrect syntax.
- The system is out of memory.
- Another trigger exists with the same name.

User Response: Use the trace facility to create a trace file and try to correct the problem. If the problem persists, contact your Software Service Provider and provide the trace file.

DXXA050E Could not enable the column.

Explanation: XML Extender could not enable a column because an internal trigger failed.

Possible causes:

- The DAD file has incorrect syntax.
- The system is out of memory.
- Another trigger exists with the same name.

User Response: Use the trace facility to create a trace file and try to correct the problem. If the problem persists, contact your Software Service Provider and provide the trace file.

DXXA051E Could not disable the column.

Explanation: XML Extender could not disable a column because an internal trigger failed.

Possible causes:

- The system is out of memory.
- A trigger with this name does not exist.

User Response: Use the trace facility to create a trace file and try to correct the problem. If the problem persists, contact your Software Service Provider and provide the trace file.

DXXA052E Could not disable the column.

Explanation: XML Extender could not disable a column because an internal trigger failed.

Possible causes:

- The DAD file has incorrect syntax.
- The system is out of memory.

- Another trigger exists with the same name.

User Response: Use the trace facility to create a trace file and try to correct the problem. If the problem persists, contact your Software Service Provider and provide the trace file.

DXXA053E Could not enable the column.

Explanation: XML Extender could not enable a column because an internal trigger failed.

Possible causes:

- The DAD file has incorrect syntax.
- The system is out of memory.
- Another trigger exists with the same name.

User Response: Use the trace facility to create a trace file and try to correct the problem. If the problem persists, contact your Software Service Provider and provide the trace file.

DXXA054E Could not enable the column.

Explanation: XML Extender could not enable a column because an internal trigger failed.

Possible causes:

- The DAD file has incorrect syntax.
- The system is out of memory.
- Another trigger exists with the same name.

User Response: Use the trace facility to create a trace file and try to correct the problem. If the problem persists, contact your Software Service Provider and provide the trace file.

**DXXA056E The validation value
<validation_value> in the DAD file
is invalid.**

Explanation: The validation element in document access definition (DAD) file is wrong or missing.

User Response: Ensure that the validation element is specified correctly in the DAD file.

**DXXA057E A side table name
<side_table_name> in DAD is
invalid.**

Explanation: The name attribute of a side table in the document access definition (DAD) file is wrong or missing.

User Response: Ensure that the name attribute of a side table is specified correctly in the DAD file.

**DXXA058E A column name <column_name> in
the DAD file is invalid.**

Explanation: The name attribute of a column in the document access definition (DAD) file is wrong or missing.

User Response: Ensure that the name attribute of a column is specified correctly in the DAD file.

**DXXA059E The type <column_type> of column
<column_name> in the DAD file is
invalid.**

Explanation: The type attribute of a column in the document access definition (DAD) file is wrong or missing.

User Response: Ensure that the type attribute of a column is specified correctly in the DAD file.

**DXXA060E The path attribute <location_path>
of <column_name> in the DAD file
is invalid.**

Explanation: The path attribute of a column in the document access definition (DAD) file is wrong or missing.

User Response: Ensure that the path attribute of a column is specified correctly in the DAD file.

DXXA061E The `multi_occurrence` attribute `<multi_occurrence>` of `<column_name>` in the DAD file is invalid.

Explanation: The `multi_occurrence` attribute of a column in the document access definition (DAD) file is wrong or missing.

User Response: Ensure that the `multi_occurrence` attribute of a column is specified correctly in the DAD file.

DXXA062E Unable to retrieve the column number for `<column_name>` in table `<table_name>`.

Explanation: XML Extender could not retrieve the column number for `column_name` in table `table_name` from the system catalog.

User Response: Make sure the application table is well defined.

DXXA063I Enabling collection `<collection_name>`. Please Wait.

Explanation: This is an information message.

User Response: No action required.

DXXA064I Disabling collection `<collection_name>`. Please Wait.

Explanation: This is an information message.

User Response: No action required.

DXXA065E Calling stored procedure `<procedure_name>` failed.

Explanation: Check the shared library `db2xml` and see if the permission is correct.

User Response: Make sure the client has permission to run the stored procedure.

DXXA066I XML Extender has successfully disabled collection `<collection_name>`.

Explanation: This is an informational message.

User Response: No response required.

DXXA067I XML Extender has successfully enabled collection `<collection_name>`.

Explanation: This is an informational message.

User Response: No response required.

DXXA068I XML Extender has successfully turned the trace on.

Explanation: This is an informational message.

User Response: No response required.

DXXA069I XML Extender has successfully turned the trace off.

Explanation: This is an informational message.

User Response: No response required.

DXXA070W The database has already been enabled.

Explanation: The enable database command was executed on the enabled database

User Response: No action is required.

DXXA071W The database has already been disabled.

Explanation: The disable database command was executed on the disabled database

User Response: No action is required.

DXXA072E XML Extender couldn't find the bind files. Bind the database before enabling it.

Explanation: XML Extender tried to automatically bind the database before enabling

it, but could not find the bind files

User Response: Bind the database before enabling it.

DXXA073E The database is not bound. Please bind the database before enabling it.

Explanation: The database was not bound when user tried to enable it.

User Response: Bind the database before enabling it.

DXXA074E Wrong parameter type. The stored procedure expects a STRING parameter.

Explanation: The stored procedure expects a STRING parameter.

User Response: Declare the input parameter to be STRING type.

DXXA075E Wrong parameter type. The input parameter should be a LONG type.

Explanation: The stored procedure expects the input parameter to be a LONG type.

User Response: Declare the input parameter to be a LONG type.

DXXA076E XML Extender trace instance ID invalid.

Explanation: Cannot start trace with the instance ID provided.

User Response: Ensure that the instance ID is a valid iSeries user ID.

DXXA077E The license key is not valid. See the server error log for more detail.

Explanation: The software license has expired or does not exist.

User Response: Contact your service provider

to obtain a new software license.

DXXC000E Unable to open the specified file.

Explanation: The XML Extender is unable to open the specified file.

User Response: Ensure that the application user ID has read and write permission for the file.

DXXC001E The specified file is not found.

Explanation: The XML Extender could not find the file specified.

User Response: Ensure that the file exists and the path is specified correctly.

DXXC002E Unable to read file.

Explanation: The XML Extender is unable to read data from the specified file.

User Response: Ensure that the application user ID has read permission for the file.

DXXC003E Unable to write to the specified file.

Explanation: The XML Extender is unable to write data to the file.

User Response: Ensure that the application user ID has write permission for the file or that the file system has sufficient space.

DXXC004E Unable to operate the LOB Locator: rc=<locator_rc>.

Explanation: The XML Extender was unable to operate the specified locator.

User Response: Ensure the LOB Locator is set correctly.

DXXC005E Input file size is greater than XMLVarchar size.

Explanation: The file size is greater than the XMLVarchar size and the XML Extender is unable to import all the data from the file.

User Response: Use the XMLCLOB column type.

DXXC006E The input file exceeds the DB2 LOB limit.

Explanation: The file size is greater than the size of the XMLCLOB and the XML Extender is unable to import all the data from the file.

User Response: Decompose the file into smaller objects or use an XML collection.

DXXC007E Unable to retrieve data from the file to the LOB Locator.

Explanation: The number of bytes in the LOB Locator does not equal the file size.

User Response: Ensure the LOB Locator is set correctly.

DXXC008E Can not remove the file <file_name>.

Explanation: The file has a sharing access violation or is still open.

User Response: Close the file or stop any processes that are holding the file. You might have to stop and restart DB2.

DXXC009E Unable to create file to <directory> directory.

Explanation: The XML Extender is unable to create a file in directory *directory*.

User Response: Ensure that the directory exists, that the application user ID has write permission for the directory, and that the file system has sufficient space for the file.

DXXC010E Error while writing to file <file_name>.

Explanation: There was an error while writing to the file *file_name*.

User Response: Ensure that the file system has sufficient space for the file.

DXXC011E Unable to write to the trace control file.

Explanation: The XML Extender is unable to write data to the trace control file.

User Response: Ensure that the application user ID has write permission for the file or that the file system has sufficient space.

DXXC012E Cannot create temporary file.

Explanation: Cannot create file in system temp directory.

User Response: Ensure that the application user ID has write permission for the file system temp directory or that the file system has sufficient space for the file.

DXXC013E The results of the extract UDF exceed the size limit for the UDF return type.

Explanation: The data returned by an extract UDF must fit into the size limit of the return type of the UDF, as defined in the DB2 XML Extenders Administration and Programming guide. For example, the results of `extractVarchar` must be no more than 4000 bytes (including the terminating NULL).

User Response: Use an extract UDF that has a larger size limit for the return type: 254 bytes for `extractChar()`, 4 KB for `extractVarchar()`, and 2 GB for `extractClob()`.

DXXD000E An invalid XML document is rejected.

Explanation: There was an attempt to store an invalid document into a table. Validation has failed.

User Response: Check the document with its DTD using an editor that can view invisible invalid characters. To suppress this error, turn off validation in the DAD file.

DXXD001E *<location_path>* occurs multiple times.

Explanation: A scalar extraction function used a location path that occurs multiple times. A scalar function can only use a location path that does not have multiple occurrences.

User Response: Use a table function (add an 's' to the end of the scalar function name).

DXXD002E A syntax error occurred near position *<position>* in the search path.

Explanation: The path expression is syntactically incorrect.

User Response: Correct the search path argument of the query. Refer to the documentation for the syntax of path expressions.

DXXD003W Path not found. Null is returned.

Explanation: The element or attribute specified in the path expression is missing from the XML document.

User Response: Verify that the specified path is correct.

DXXG000E The file name *<file_name>* is invalid.

Explanation: An invalid file name was specified.

User Response: Specify a correct file name and try again.

DXXG001E An internal error occurred in build *<build_ID>*, file *<file_name>*, and line *<line_number>*.

Explanation: XML Extender encountered an internal error.

User Response: Contact your Software Service Provider. When reporting the error, be sure to include all the messages, the trace file and how to reproduce the error.

DXXG002E The system is out of memory.

Explanation: The XML Extender was unable to allocate memory from the operating system.

User Response: Close some applications and try again. If the problem persists, refer to your operating system documentation for assistance. Some operating systems might require that you reboot the system to correct the problem.

DXXG004E Invalid null parameter.

Explanation: A null value for a required parameter was passed to an XML stored procedure.

User Response: Check all required parameters in the argument list for the stored procedure call.

DXXG005E Parameter not supported.

Explanation: This parameter is not supported in this release, will be supported in the future release.

User Response: Set this parameter to NULL.

DXXG006E Internal Error
CLISTATE=*<clistate>*, RC=*<cli_rc>*,
build *<build_ID>*, file *<file_name>*,
line *<line_number>*
CLIMSG=*<CLI_msg>*.

Explanation: XML Extender encountered an internal error while using CLI.

User Response: Contact your Software Service Provider. Potentially this error can be caused by incorrect user input. When reporting the error, be sure to include all output messages, trace log, and how to reproduce the problem. Where possible, send any DADs, XML documents, and table definitions which apply.

DXXG007E Locale *<locale>* is inconsistent with DB2 code page *<code_page>*.

Explanation: The server operating system locale is inconsistent with DB2 code page.

User Response: Correct the server operating

system locale and restart DB2.

DXXG008E Locale <locale> is not supported.

Explanation: The server operating system locale can not be found in the code page table.

User Response: Correct the server operating system locale and restart DB2.

DXXG017E The limit for XML_Extender_constant has been exceeded in build build_ID, file file_name, and line line_number.

Explanation: Check the XML Extender Administration and Programming Guide to see whether your application has exceeded a value in the limits table. If no limit has been exceeded, contact your Software Service Provider. When reporting the error, include all output messages, trace files, and information on how to reproduce the problem such as input DADs, XML documents, and table definitions.

User Response: Correct the server operating system locale and restart DB2.

DXXM001W A DB2 error occurred.

Explanation: DB2 encountered the specified error.

User Response: See any accompanying messages for further explanation and refer to DB2 messages and codes documentation for your operating system.

DXXQ000E <Element> is missing from the DAD file.

Explanation: A mandatory element is missing from the document access definition (DAD) file.

User Response: Add the missing element to the DAD file.

DXXQ001E Invalid SQL statement for XML generation.

Explanation: The SQL statement in the document access definition (DAD) or the one

that overrides it is not valid. A SELECT statement is required for generating XML documents.

User Response: Correct the SQL statement.

DXXQ002E Cannot generate storage space to hold XML documents.

Explanation: The system is running out of space in memory or disk. There is no space to contain the resulting XML documents.

User Response: Limit the number of documents to be generated. Reduce the size of each documents by removing some unnecessary element and attribute nodes from the document access definition (DAD) file.

DXXQ003W Result exceeds maximum.

Explanation: The user-defined SQL query generates more XML documents than the specified maximum. Only the specified number of documents are returned.

User Response: No action is required. If all documents are needed, specify zero as the maximum number of documents.

DXXQ004E The column <column_name> is not in the result of the query.

Explanation: The specified column is not one of the columns in the result of the SQL query.

User Response: Change the specified column name in the document access definition (DAD) file to make it one of the columns in the result of the SQL query. Alternatively, change the SQL query so that it has the specified column in its result.

DXXQ005E Wrong relational mapping. The element <element_name> is at a lower level than its child column <column_name>.

Explanation: The mapping of the SQL query to XML is incorrect.

User Response: Make sure that the columns in

the result of the SQL query are in a top-down order of the relational hierarchy. Also make sure that there is a single-column candidate key to begin each level. If such a key is not available in a table, the query should generate one for that table using a table expression and the DB2 built-in function generate_unique().

DXXQ006E An attribute_node element has no name.

Explanation: An attribute_node element in the document access definition (DAD) file does not have a name attribute.

User Response: Ensure that every attribute_node has a name in the DAD file.

DXXQ007E The attribute_node <attribute_name> has no column element or RDB_node.

Explanation: The attribute_node element in the document access definition (DAD) does not have a column element or RDB_node.

User Response: Ensure that every attribute_node has a column element or RDB_node in the DAD.

DXXQ008E A text_node element has no column element.

Explanation: A text_node element in the document access definition (DAD) file does not have a column element.

User Response: Ensure that every text_node has a column element in the DAD.

DXXQ009E Result table <table_name> does not exist.

Explanation: The specified result table could not be found in the system catalog.

User Response: Create the result table before calling the stored procedure.

DXXQ010E RDB_node of <node_name> does not have a table in the DAD file.

Explanation: The RDB_node of the attribute_node or text_node must have a table.

User Response: Specify the table of RDB_node for attribute_node or text_node in the document access definition (DAD) file.

DXXQ011E RDB_node element of <node_name> does not have a column in the DAD file.

Explanation: The RDB_node of the attribute_node or text_node must have a column.

User Response: Specify the column of RDB_node for attribute_node or text_node in the document access definition (DAD) file.

DXXQ012E Errors occurred in DAD.

Explanation: XML Extender could not find the expected element while processing the DAD.

User Response: Check that the DAD is a valid XML document and contains all the elements required by the DAD DTD. Consult the XML Extender publication for the DAD DTD.

DXXQ013E The table or column element does not have a name in the DAD file.

Explanation: The element table or column must have a name in the document access definition (DAD) file.

User Response: Specify the name of table or column element in the DAD.

DXXQ014E An element_node element has no name.

Explanation: An element_node element in the document access definition (DAD) file does not have a name attribute.

User Response: Ensure that every element_node element has a name in the DAD file.

DXXQ015E The condition format is invalid.

Explanation: The condition in the condition element in the document access definition (DAD) has an invalid format.

User Response: Ensure that the format of the condition is valid.

DXXQ016E The table name in this RDB_node is not defined in the top element of the DAD file.

Explanation: All tables must be defined in the RDB_node of the top element in the document access definition (DAD) file. Sub-element tables must match the tables defined in the top element. The table name in this RDB_node is not in the top element.

User Response: Ensure that the table of the RDB node is defined in the top element of the DAD file.

DXXQ017E The column in the result table <table_name> is too small.

Explanation: An XML document generated by the XML Extender is too large to fit into the column of the result table.

User Response: Drop the result table. Create another result table with a bigger column. Rerun the stored procedure.

DXXQ018E The ORDER BY clause is missing from the SQL statement.

Explanation: The ORDER BY clause is missing from the SQL statement in a document access definition (DAD) file that maps SQL to XML.

User Response: Edit the DAD file. Add an ORDER BY clause that contains the entity-identifying columns.

DXXQ019E The element objids has no column element in the DAD file.

Explanation: The objids element does not have a column element in the document access definition (DAD) file that maps SQL to XML.

User Response: Edit the DAD file. Add the key columns as sub-elements of the element objids.

DXXQ020I XML successfully generated.

Explanation: The requested XML documents have been successfully generated from the database.

User Response: No action is required.

DXXQ021E Table <table_name> does not have column <column_name>.

Explanation: The table does not have the specified column in the database.

User Response: Specify another column name in DAD or add the specified column into the table database.

DXXQ022E Column <column_name> of <table_name> should have type <type_name>.

Explanation: The type of the column is wrong.

User Response: Correct the type of the column in the document access definition (DAD).

DXXQ023E Column <column_name> of <table_name> cannot be longer than <length>.

Explanation: The length defined for the column in the DAD is too long.

User Response: Correct the column length in the document access definition (DAD).

DXXQ024E Can not create table <table_name>.

Explanation: The specified table can not be created.

User Response: Ensure that the user ID creating the table has the necessary authority to create a table in the database.

DXXQ025I XML decomposed successfully.

Explanation: An XML document has been decomposed and stored in a collection successfully.

User Response: No action is required.

DXXQ026E XML data <xml_name> is too large to fit in column <column_name>.

Explanation: The specified piece of data from an XML document is too large to fit into the specified column.

User Response: Increase the length of the column using the ALTER TABLE statement or reduce the size of the data by editing the XML document.

DXXQ028E Cannot find the collection <collection_name> in the XML_USAGE table.

Explanation: A record for the collection cannot be found in the XML_USAGE table.

User Response: Verify that you have enabled the collection.

DXXQ029E Cannot find the DAD in XML_USAGE table for the collection <collection_name>.

Explanation: A DAD record for the collection cannot be found in the XML_USAGE table.

User Response: Ensure that you have enabled the collection correctly.

DXXQ030E Wrong XML override syntax.

Explanation: The XML_override value is specified incorrectly in the stored procedure.

User Response: Ensure that the syntax of XML_override is correct.

DXXQ031E Table name cannot be longer than maximum length allowed by DB2.

Explanation: The table name specified by the condition element in the DAD is too long.

User Response: Correct the length of the table name in document access definition (DAD).

DXXQ032E Column name cannot be longer than maximum length allowed by DB2.

Explanation: The column name specified by the condition element in the DAD is too long.

User Response: Correct the length of the column name in the document access definition (DAD).

DXXQ033E Invalid identifier starting at <identifier>

Explanation: The string is not a valid DB2 SQL identifier.

User Response: Correct the string in the DAD to conform to the rules for DB2 SQL identifiers.

DXXQ034E Invalid condition element in top RDB_node of DAD: <condition>

Explanation: The condition element must be a valid WHERE clause consisting of join conditions connected by the conjunction AND.

User Response: See the XML Extender documentation for the correct syntax of the join condition in a DAD.

DXXQ035E Invalid join condition in top RDB_node of DAD: <condition>

Explanation: Column names in the condition element of the top RDB_node must be qualified with the table name if the DAD specifies multiple tables.

User Response: See the XML Extender documentation for the correct syntax of the join condition in a DAD.

DXXQ036E A Schema name specified under a DAD condition tag is longer than allowed.

Explanation: An error was detected while parsing text under a condition tag within the DAD. The condition text contains an id qualified by a schema name that is too long.

User Response: Correct the text of the condition tags in document access definition (DAD).

DXXQ037E Cannot generate *<element>* with multiple occurrences.

Explanation: The element node and its descendents have no mapping to database, but its multi_occurrence equals YES.

User Response: Correct the DAD by either setting the multi_occurrence to NO or create a RDB_node in one of its descendents.

DXXQ038E The SQL statement is too long: SQL_statement

Explanation: The SQL statement specified in the *<SQL_stmt>* element of DAD exceeds the allowed number of bytes.

User Response: Reduce the length of the SQL statement to less than or equal to 32765 bytes for Windows and UNIX, or 16380 bytes for OS/390 and iSeries.

DXXQ039E Too many columns specified for a table in the DAD file.

Explanation: A DAD file used for decomposition or RDB composition can have a maximum of 100 text_node and attribute_node elements that specify unique columns within the same table.

User Response: Reduce the total number of text_node and attribute_node elements that refer to unique columns within the same table 100 or less.

DXXQ040E The element name *<element_name>* in the DAD file is invalid.

Explanation: The specified element name in the document access definition (DAD) file is wrong.

User Response: Ensure that the element name is typed correctly in the DAD file. See the DTD for the DAD file.

DXXQ041W XML document successfully generated. One or more override paths specified is invalid and ignored.

Explanation: Specify only one override path.

User Response: Ensure that the element name is typed correctly in the DAD file. See the DTD for the DAD file.

DXXQ043E Attribute *<attr_name>* not found under element *<elem_name>*.

Explanation: The attribute *<attr_name>* was not present in element *<elem_name>* or one of its child elements.

User Response: Ensure the attribute appears in the XML document everywhere that the DAD requires it.

DXXQ044E Element *<elem_name>* does not have an ancestor element *<ancestor>*.

Explanation: According to the DAD, *<ancestor>* is an ancestor element of *<elem_name>*. In the XML document, one or more element *<elem_name>* does not have such an ancestor.

User Response: Ensure that the nesting of elements in the XML document conforms to what is specified in the corresponding DAD.

DXXQ045E Subtree under element *<elem_name>* contains multiple attributes named *<attrib_name>*.

Explanation: A subtree under *<elem_name>* in the XML document contains multiple instances of attribute *<attrib_name>*, which according to the

DAD, is to be decomposed into the same row. Elements or attributes that are to be decomposed must have unique names.

User Response: Ensure that the element or attribute in the subtree has a unique name.

DXXQ046W The DTD ID was not found in the DAD.

Explanation: In the DAD, VALIDATION is set to YES, but the DTDID element is not specified. No validation check is performed.

User Response: No action is required. If validation is needed, specify the DTDID element in the DAD file.

DXXQ047E Parser error on line <mv> linenumber</mv> column colnumber: msg

Explanation: The parser could not parse the document because of the reported error.

User Response: Correct the error in the document, consulting the XML specifications if necessary.

DXXQ048E Internal error - see trace file.

Explanation: The stylesheet processor returned an internal error. The XML document or the stylesheet might not valid.

User Response: Ensure the XML document and the stylesheet are valid.

DXXQ049E The output file already exists.

Explanation: The specified output file already exists in this directory.

User Response: Change the output path or file name for the output document to a unique name or delete the existing file.

DXXQ050E Unable to create a unique file name.

Explanation: The UDF was unable to create a unique file name for the output document in the

specified directory because it does not have access, all file names that can be generated are in use or directory might not exist.

User Response: Ensure that the UDF has access to the specified directory, change to a directory with available file names.

DXXQ051E No input or output data.

Explanation: One or more input or output parameters have no valid value.

User Response: Check the statement to see if required parameters are missing.

DXXQ052E An error occurred while accessing the DB2XML.XML_USAGE table.

Explanation: Either the database has not been enabled or the table DB2XML.XML_USAGE has been dropped.

User Response: Ensure that the database has been enabled and the table DB2XML.XML_USAGE is accessible.

DXXQ053E An SQL statement failed : msg

Explanation: An SQL statement generated during XML Extender processing failed to execute.DB2XML.XML_USAGE has been dropped.

User Response: Examine the trace for more details. If you cannot correct the error condition, contact your softwaresService provider. When reporting the error, be sure to include all the messages, the trace file and how to reproduce the error.

DXXQ054E Invalid input parameter: param

Explanation: The specified input parameter to a stored procedure or UDF is invalid.

User Response: Check the signature of the relevant stored procedure or UDF, and ensure the actual input parameter is correct.

Appendix A. SPM Protocol Violation Records

This section shows the Protocol Violation records generated by the sync point manager. These records will be directed to the first failure service log (db2diag.log) and will follow the corresponding message.

Resync Protocol Violation Record

```
/*
 * SQLCSPM_RESYNC_PROTOCOL_VIOLATION_206 - Resync Protocol error.
 *
 * This trace is produced when a protocol error occurs during a Resync Compare
 * States (CS) exchange with a remote LU. The following are examples of SNA
 * Compare States protocol errors:
 *   * an unknown STATE was found in the SNA CS message
 *   * an invalid data message was received from the remote site
 *   * an invalid LU6.2 verb sequence was detected
 *
 *****/
#define SQLCSPM_RPV_206_T "SQLCSPM_RESYNC_PROTOCOL_VIOLATION_206" /* Title.*/
typedef struct sqlcspm_resync_protocol_violation_206
{
    SQLCSPM_LUNAME luname; /* Site involved in violation.
    SQLCSPM_LUWID luwid; /* LUWID for the unit of work.
    SQLXA_XID xid; /* XID of the thread.
    char role; /* Role of DB2 in LUW -- C or P.
                /* C for coordinator.
                /* P for participant.
    char status; /* Local thread status -- C, A or I
                /* C for COMMIT.
                /* A for ABORT.
                /* I for INDOUBT.
    SQLCSPS_TRACE comm_trace; /* Communication trace of violation.
} SQLCSPM_RESYNC_PROTOCOL_VIOLATION_206;
```

Syncpoint Protocol Violation Record

```
/*
 * SQLCSPM_2PHASE_PROTOCOL_VIOLATION_208 - SNA syncpoint protocol error.
 *
 * This trace is produced when a protocol error occurs during the SNA
 * syncpoint process with a remote LU. The following are examples of SNA
 * syncpoint protocol errors:
 *   * an unknown SNA PS header was received.
 *   * an SNA PS header was received in the wrong sequence.
 *   * an invalid LU6.2 verb sequence was detected.
 *   * the remote site issued DEALLOCATE TYPE(ABEND_SVC).
 *
 *****/
#define SQLCSPM_2PPV_208_T "SQLCSPM_2PHASE_PROTOCOL_VIOLATION_208" /* Title.*/
```

```

typedef struct sqlcspm_2phase_protocol_violation_208
{
    /*
    SQLCSPM_LUNAME luname;      /* Site involved in violation.
    SQLCSPM_LUWID  luwid;      /* LUWID for the unit of work.
    SQLXA_XID     xid;         /* XID of the thread.
    char          role;        /* Role of DB2 in LUW -- C or P.
                                /* C for coordinator.
                                /* P for participant.
    char          local_status; /* Local thread status -- C, A or I
                                /* C for COMMIT.
                                /* A for ABORT.
                                /* I for INDOUBT.
    char          partner_status; /* Partner thread status -- C, A or I
                                /* C for COMMIT.
                                /* A for ABORT.
                                /* I for INDOUBT.
    SQLCSPS_TRACE comm_trace;  /* Communication trace of violation.
} SQLCSPM_2PHASE_PROTOCOL_VIOLATION_208;

```

XLN Protocol Violation Record

```

/*****
* SQLCSPM_XLN_PROTOCOL_VIOLATION_236 - SNA XLN protocol error.
*
* This trace is produced when a protocol error occurs during the SNA
* syncpoint process with a remote LU. The following are examples of SNA
* syncpoint protocol errors:
* * an unknown SNA PS header was received.
* * an SNA PS header was received in the wrong sequence.
* * an invalid LU6.2 verb sequence was detected.
* * the remote site issued DEALLOCATE TYPE(ABEND_SVC).
*****/
#define SQLCSPM_XPV_236_T "SQLCSPM_XLN_PROTOCOL_VIOLATION_236" /* Title.*/
typedef struct sqlcspm_xln_protocol_violation_236
{
    /*
    SQLCSPM_LUNAME luname;      /* Site involved in violation.
    SQLCSPX_XLN_INF xln_inf;    /* Current XLN information
                                in LUB.
    SQLCSPX_XLN_INF txln_inf;   /* Temporary XLN information
                                in LUB.
    SQLCSPM_GDSAREA xln;       /* Current XLN GDS being
                                processed.
    SQLCSPS_TRACE comm_trace;  /* Communication trace of violation.
} SQLCSPM_XLN_PROTOCOL_VIOLATION_236;

```

Appendix B. DB2 Universal Database technical information

Overview of DB2 Universal Database technical information

DB2 Universal Database technical information can be obtained in the following formats:

- Books (PDF and hard-copy formats)
- A topic tree (HTML format)
- Help for DB2 tools (HTML format)
- Sample programs (HTML format)
- Command line help
- Tutorials

This section is an overview of the technical information that is provided and how you can access it.

FixPaks for DB2 documentation

IBM may periodically make documentation FixPaks available. Documentation FixPaks allow you to update the information that you installed from the *DB2 HTML Documentation CD* as new information becomes available.

Note: If you do install documentation FixPaks, your HTML documentation will contain more recent information than either the DB2 printed or online PDF manuals.

Categories of DB2 technical information

The DB2 technical information is categorized by the following headings:

- Core DB2 information
- Administration information
- Application development information
- Business intelligence information
- DB2 Connect information
- Getting started information
- Tutorial information
- Optional component information
- Release notes

The following tables describe, for each book in the DB2 library, the information needed to order the hard copy, print or view the PDF, or locate the HTML directory for that book. A full description of each of the books in

the DB2 library is available from the IBM Publications Center at www.ibm.com/shop/publications/order

The installation directory for the HTML documentation CD differs for each category of information:

htmlcdpath/doc/htmlcd/%L/category

where:

- *htmlcdpath* is the directory where the HTML CD is installed.
- *%L* is the language identifier. For example, en_US.
- *category* is the category identifier. For example, core for the core DB2 information.

In the PDF file name column in the following tables, the character in the sixth position of the file name indicates the language version of a book. For example, the file name db2d1e80 identifies the English version of the *Administration Guide: Planning* and the file name db2d1g80 identifies the German version of the same book. The following letters are used in the sixth position of the file name to indicate the language version:

Language	Identifier
Arabic	w
Brazilian Portuguese	b
Bulgarian	u
Croatian	9
Czech	x
Danish	d
Dutch	q
English	e
Finnish	y
French	f
German	g
Greek	a
Hungarian	h
Italian	i
Japanese	j
Korean	k
Norwegian	n
Polish	p
Portuguese	v
Romanian	8
Russian	r
Simp. Chinese	c
Slovakian	7
Slovenian	l

Spanish	z
Swedish	s
Trad. Chinese	t
Turkish	m

No form number indicates that the book is only available online and does not have a printed version.

Core DB2 information

The information in this category covers DB2 topics that are fundamental to all DB2 users. You will find the information in this category useful whether you are a programmer, a database administrator, or you work with DB2 Connect, DB2 Warehouse Manager, or other DB2 products.

The installation directory for this category is `doc/htmlcd/%L/core`.

Table 1. Core DB2 information

Name	Form Number	PDF File Name
<i>IBM DB2 Universal Database Command Reference</i>	SC09-4828	db2n0x80
<i>IBM DB2 Universal Database Glossary</i>	No form number	db2t0x80
<i>IBM DB2 Universal Database Master Index</i>	SC09-4839	db2w0x80
<i>IBM DB2 Universal Database Message Reference, Volume 1</i>	GC09-4840	db2m1x80
<i>IBM DB2 Universal Database Message Reference, Volume 2</i>	GC09-4841	db2m2x80
<i>IBM DB2 Universal Database What's New</i>	SC09-4848	db2q0x80

Administration information

The information in this category covers those topics required to effectively design, implement, and maintain DB2 databases, data warehouses, and federated systems.

The installation directory for this category is doc/htmlcd/%L/admin.

Table 2. Administration information

Name	Form number	PDF file name
<i>IBM DB2 Universal Database Administration Guide: Planning</i>	SC09-4822	db2d1x80
<i>IBM DB2 Universal Database Administration Guide: Implementation</i>	SC09-4820	db2d2x80
<i>IBM DB2 Universal Database Administration Guide: Performance</i>	SC09-4821	db2d3x80
<i>IBM DB2 Universal Database Administrative API Reference</i>	SC09-4824	db2b0x80
<i>IBM DB2 Universal Database Data Movement Utilities Guide and Reference</i>	SC09-4830	db2dmx80
<i>IBM DB2 Universal Database Data Recovery and High Availability Guide and Reference</i>	SC09-4831	db2hax80
<i>IBM DB2 Universal Database Data Warehouse Center Administration Guide</i>	SC27-1123	db2ddx80
<i>IBM DB2 Universal Database Federated Systems Guide</i>	GC27-1224	db2fpx80
<i>IBM DB2 Universal Database Guide to GUI Tools for Administration and Development</i>	SC09-4851	db2atx80
<i>IBM DB2 Universal Database Replication Guide and Reference</i>	SC27-1121	db2e0x80
<i>IBM DB2 Installing and Administering a Satellite Environment</i>	GC09-4823	db2dsx80
<i>IBM DB2 Universal Database SQL Reference, Volume 1</i>	SC09-4844	db2s1x80
<i>IBM DB2 Universal Database SQL Reference, Volume 2</i>	SC09-4845	db2s2x80
<i>IBM DB2 Universal Database System Monitor Guide and Reference</i>	SC09-4847	db2f0x80

Application development information

The information in this category is of special interest to application developers or programmers working with DB2. You will find information about supported languages and compilers, as well as the documentation required to access DB2 using the various supported programming interfaces, such as embedded SQL, ODBC, JDBC, SQLj, and CLI. If you view this information online in HTML you can also access a set of DB2 sample programs in HTML.

The installation directory for this category is `doc/htmlcd/%L/ad`.

Table 3. Application development information

Name	Form number	PDF file name
<i>IBM DB2 Universal Database Application Development Guide: Building and Running Applications</i>	SC09-4825	db2axx80
<i>IBM DB2 Universal Database Application Development Guide: Programming Client Applications</i>	SC09-4826	db2a1x80
<i>IBM DB2 Universal Database Application Development Guide: Programming Server Applications</i>	SC09-4827	db2a2x80
<i>IBM DB2 Universal Database Call Level Interface Guide and Reference, Volume 1</i>	SC09-4849	db2l1x80
<i>IBM DB2 Universal Database Call Level Interface Guide and Reference, Volume 2</i>	SC09-4850	db2l2x80
<i>IBM DB2 Universal Database Data Warehouse Center Application Integration Guide</i>	SC27-1124	db2adx80
<i>IBM DB2 XML Extender Administration and Programming</i>	SC27-1234	db2sxx80

Business intelligence information

The information in this category describes how to use components that enhance the data warehousing and analytical capabilities of DB2 Universal Database.

The installation directory for this category is doc/htmlcd/%L/wareh.

Table 4. Business intelligence information

Name	Form number	PDF file name
<i>IBM DB2 Warehouse Manager Information Catalog Center Administration Guide</i>	SC27-1125	db2dix80
<i>IBM DB2 Warehouse Manager Installation Guide</i>	GC27-1122	db2idx80

DB2 Connect information

The information in this category describes how to access host or iSeries data using DB2 Connect Enterprise Edition or DB2 Connect Personal Edition.

The installation directory for this category is doc/htmlcd/%L/conn.

Table 5. DB2 Connect information

Name	Form number	PDF file name
<i>APPC, CPI-C, and SNA Sense Codes</i>	No form number	db2apx80
<i>IBM Connectivity Supplement</i>	No form number	db2h1x80
<i>IBM DB2 Connect Quick Beginnings for DB2 Connect Enterprise Edition</i>	GC09-4833	db2c6x80
<i>IBM DB2 Connect Quick Beginnings for DB2 Connect Personal Edition</i>	GC09-4834	db2c1x80
<i>IBM DB2 Connect User's Guide</i>	SC09-4835	db2c0x80

Getting started information

The information in this category is useful when you are installing and configuring servers, clients, and other DB2 products.

The installation directory for this category is doc/htmlcd/%L/start.

Table 6. Getting started information

Name	Form number	PDF file name
<i>IBM DB2 Universal Database Quick Beginnings for DB2 Clients</i>	GC09-4832	db2itx80

Table 6. Getting started information (continued)

Name	Form number	PDF file name
<i>IBM DB2 Universal Database Quick Beginnings for DB2 Servers</i>	GC09-4836	db2isx80
<i>IBM DB2 Universal Database Quick Beginnings for DB2 Personal Edition</i>	GC09-4838	db2i1x80
<i>IBM DB2 Universal Database Installation and Configuration Supplement</i>	GC09-4837	db2iyx80
<i>IBM DB2 Universal Database Quick Beginnings for DB2 Data Links Manager</i>	GC09-4829	db2z6x80

Tutorial information

Tutorial information introduces DB2 features and teaches how to perform various tasks.

The installation directory for this category is `doc/htmlcd/%L/tutr`.

Table 7. Tutorial information

Name	Form number	PDF file name
<i>Business Intelligence Tutorial: Introduction to the Data Warehouse</i>	No form number	db2tux80
<i>Business Intelligence Tutorial: Extended Lessons in Data Warehousing</i>	No form number	db2tax80
<i>Development Center Tutorial for Video Online using Microsoft Visual Basic</i>	No form number	db2tdx80
<i>Information Catalog Center Tutorial</i>	No form number	db2aix80
<i>Video Central for e-business Tutorial</i>	No form number	db2twx80
<i>Visual Explain Tutorial</i>	No form number	db2tvx80

Optional component information

The information in this category describes how to work with optional DB2 components.

The installation directory for this category is doc/htmlcd/%L/opt.

Table 8. Optional component information

Name	Form number	PDF file name
<i>IBM DB2 Life Sciences Data Connect Planning, Installation, and Configuration Guide</i>	GC27-1235	db2lsx80
<i>IBM DB2 Spatial Extender User's Guide and Reference</i>	SC27-1226	db2sbx80
<i>IBM DB2 Universal Database Data Links Manager Administration Guide and Reference</i>	SC27-1221	db2z0x80
<i>IBM DB2 Universal Database Net Search Extender Administration and Programming Guide</i>	SH12-6740	N/A
Note: HTML for this document is not installed from the HTML documentation CD.		

Release notes

The release notes provide additional information specific to your product's release and FixPak level. They also provides summaries of the documentation updates incorporated in each release and FixPak.

Table 9. Release notes

Name	Form number	PDF file name
<i>DB2 Release Notes</i>	See note.	See note.
<i>DB2 Installation Notes</i>	Available on product CD-ROM only.	Available on product CD-ROM only.

Note: The HTML version of the release notes is available from the Information Center and on the product CD-ROMs. To view the ASCII file on UNIX-based platforms, see the Release.Notes file. This file is located in the DB2DIR/Readme/%L directory, where %L represents the locale name and DB2DIR represents:

- /usr/opt/db2_08_01 on AIX
- /opt/IBM/db2/V8.1 on all other UNIX operating systems

Printing DB2 books from PDF files

You can print DB2 books from the PDF files on the *DB2 PDF Documentation* CD. Using Adobe Acrobat Reader, you can print either the entire book or a specific range of pages.

Prerequisites:

Ensure that you have Adobe Acrobat Reader. It is available from the Adobe Web site at www.adobe.com

Procedure:

To print a DB2 book from a PDF file:

1. Insert the *DB2 PDF Documentation* CD. On UNIX operating systems, mount the DB2 PDF Documentation CD. Refer to your *Quick Beginnings* book for details on how to mount a CD on UNIX operating systems.
2. Start Adobe Acrobat Reader.
3. Open the PDF file from one of the following locations:
 - On Windows operating systems:
x:\doc\language directory, where *x* represents the CD-ROM drive letter and *language* represents the two-character territory code that represents your language (for example, EN for English).
 - On UNIX operating systems:
/cdrom/doc/%L directory on the CD-ROM, where */cdrom* represents the mount point of the CD-ROM and *%L* represents the name of the desired locale.

Ordering printed DB2 books

Procedure:

To order printed books:

- Contact your IBM authorized dealer or marketing representative. To find a local IBM representative, check the IBM Worldwide Directory of Contacts at www.ibm.com/planetwide
- Phone 1-800-879-2755 in the United States or 1-800-IBM-4YOU in Canada.
- Visit the IBM Publications Center at www.ibm.com/shop/publications/order

You can also obtain printed DB2 manuals by ordering Doc Packs for your DB2 product from your IBM Reseller. The Doc Packs are subsets of the manuals in the DB2 library selected to help you to get started using the DB2 product that

you purchased. The manuals in the Doc Packs are the same as those that are available in PDF format on the *DB2 PDF Documentation CD* and contain the same content as the documentation that is available on the *DB2 HTML Documentation CD*.

Accessing online help

The online help that comes with all DB2 components is available in three types:

- Window and notebook help
- Command line help
- SQL statement help

Window and notebook help explain the tasks that you can perform in a window or notebook and describe the controls. This help has two types:

- Help accessible from the **Help** button
- Infopops

The **Help** button gives you access to overview and prerequisite information. The infopops describe the controls in the window or notebook. Window and notebook help are available from DB2 centers and components that have user interfaces.

Command line help includes Command help and Message help. Command help explains the syntax of commands in the command line processor. Message help describes the cause of an error message and describes any action you should take in response to the error.

SQL statement help includes SQL help and SQLSTATE help. DB2 returns an SQLSTATE value for conditions that could be the result of an SQL statement. SQLSTATE help explains the syntax of SQL statements (SQL states and class codes).

Note: SQL help is not available for UNIX operating systems.

Procedure:

To access online help:

- For window and notebook help, click **Help** or click that control, then click **F1**. If the **Automatically display infopops** check box on the **General** page of the **Tool Settings** notebook is selected, you can also see the infopop for a particular control by holding the mouse cursor over the control.
- For command line help, open the command line processor and enter:
 - For Command help:

? *command*

where *command* represents a keyword or the entire command.

For example, ? catalog displays help for all the CATALOG commands, while ? catalog database displays help for the CATALOG DATABASE command.

- For Message help:

? *XXXnnnnn*

where *XXXnnnnn* represents a valid message identifier.

For example, ? SQL30081 displays help about the SQL30081 message.

- For SQL statement help, open the command line processor and enter:

? *sqlstate* or ? *class code*

where *sqlstate* represents a valid five-digit SQL state and *class code* represents the first two digits of the SQL state.

For example, ? 08003 displays help for the 08003 SQL state, while ? 08 displays help for the 08 class code.

Finding topics by accessing the DB2 Information Center from a browser

The DB2 Information Center accessed from a browser enables you to access the information you need to take full advantage of DB2 Universal Database and DB2 Connect. The DB2 Information Center also documents major DB2 features and components including replication, data warehousing, metadata, and DB2 extenders.

The DB2 Information Center accessed from a browser is composed of the following major elements:

Navigation tree

The navigation tree is located in the left frame of the browser window. The tree expands and collapses to show and hide topics, the glossary, and the master index in the DB2 Information Center.

Navigation toolbar

The navigation toolbar is located in the top right frame of the browser window. The navigation toolbar contains buttons that enable you to search the DB2 Information Center, hide the navigation tree, and find the currently displayed topic in the navigation tree.

Content frame

The content frame is located in the bottom right frame of the browser window. The content frame displays topics from the DB2 Information

Center when you click on a link in the navigation tree, click on a search result, or follow a link from another topic or from the master index.

Prerequisites:

To access the DB2 Information Center from a browser, you must use one of the following browsers:

- Microsoft Explorer, version 5 or later
- Netscape Navigator, version 6.1 or later

Restrictions:

The DB2 Information Center contains only those sets of topics that you chose to install from the *DB2 HTML Documentation CD*. If your Web browser returns a File not found error when you try to follow a link to a topic, you must install one or more additional sets of topics from the *DB2 HTML Documentation CD*.

Procedure:

To find a topic by searching with keywords:

1. In the navigation toolbar, click **Search**.
2. In the top text entry field of the Search window, enter one or more terms related to your area of interest and click **Search**. A list of topics ranked by accuracy displays in the **Results** field. The numerical ranking beside the hit provides an indication of the strength of the match (bigger numbers indicate stronger matches).

Entering more terms increases the precision of your query while reducing the number of topics returned from your query.

3. In the **Results** field, click the title of the topic you want to read. The topic displays in the content frame.

To find a topic in the navigation tree:

1. In the navigation tree, click the book icon of the category of topics related to your area of interest. A list of subcategories displays underneath the icon.
2. Continue to click the book icons until you find the category containing the topics in which you are interested. Categories that link to topics display the category title as an underscored link when you move the cursor over the category title. The navigation tree identifies topics with a page icon.
3. Click the topic link. The topic displays in the content frame.

To find a topic or term in the master index:

1. In the navigation tree, click the “Index” category. The category expands to display a list of links arranged in alphabetical order in the navigation tree.
2. In the navigation tree, click the link corresponding to the first character of the term relating to the topic in which you are interested. A list of terms with that initial character displays in the content frame. Terms that have multiple index entries are identified by a book icon.
3. Click the book icon corresponding to the term in which you are interested. A list of subterms and topics displays below the term you clicked. Topics are identified by page icons with an underscored title.
4. Click on the title of the topic that meets your needs. The topic displays in the content frame.

Finding product information by accessing the DB2 Information Center from the administration tools

The DB2 Information Center provides quick access to DB2 product information and is available on all operating systems for which the DB2 administration tools are available.

The DB2 Information Center accessed from the tools provides six types of information.

Tasks Key tasks you can perform using DB2.

Concepts

Key concepts for DB2.

Reference

DB2 reference information, such as keywords, commands, and APIs.

Troubleshooting

Error messages and information to help you with common DB2 problems.

Samples

Links to HTML listings of the sample programs provided with DB2.

Tutorials

Instructional aid designed to help you learn a DB2 feature.

Prerequisites:

Some links in the DB2 Information Center point to Web sites on the Internet. To display the content for these links, you will first have to connect to the Internet.

Procedure:

To find product information by accessing the DB2 Information Center from the tools:

1. Start the DB2 Information Center in one of the following ways:
 - From the graphical administration tools, click on the **Information Center** icon in the toolbar. You can also select it from the **Help** menu.
 - At the command line, enter **db2ic**.
2. Click the tab of the information type related to the information you are attempting to find.
3. Navigate through the tree and click on the topic in which you are interested. The Information Center will then launch a Web browser to display the information.
4. To find information without browsing the lists, click the **Search** icon to the right of the list.

Once the Information Center has launched a browser to display the information, you can perform a full-text search by clicking the **Search** icon in the navigation toolbar.

Viewing technical documentation online directly from the DB2 HTML Documentation CD

All of the HTML topics that you can install from the *DB2 HTML Documentation CD* can also be read directly from the CD. Therefore, you can view the documentation without having to install it.

Restrictions:

As the Tools help is installed from the DB2 product CD and not from the *DB2 HTML Documentation CD*, you must install the DB2 product to view the help.

Procedure:

1. Insert the *DB2 HTML Documentation CD*. On UNIX operating systems, mount the *DB2 HTML Documentation CD*. Refer to your *Quick Beginnings* book for details on how to mount a CD on UNIX operating systems.
2. Start your HTML browser and open the appropriate file:

- For Windows operating systems:
e:\program files\IBM\SQLLIB\doc\htmlcd\%L\index.htm

where *e* represents the CD-ROM drive, and %L is the locale of the documentation that you wish to use, for example, **en_US** for English.

- For UNIX operating systems:
/cdrom/program files/IBM/SQLLIB/doc/htmlcd/%L/index.htm

where */cdrom/* represents where the CD is mounted, and %L is the locale of the documentation that you wish to use, for example, **en_US** for English.

Updating the HTML documentation installed on your machine

It is now possible to update the HTML installed from the *DB2 HTML Documentation CD* when updates are made available from IBM. This can be done in one of two ways:

- Using the Information Center (if you have the DB2 administration GUI tools installed).
- By downloading and applying a DB2 HTML documentation FixPak .

Note: This will NOT update the DB2 code; it will only update the HTML documentation installed from the *DB2 HTML Documentation CD*.

Procedure:

To use the Information Center to update your local documentation:

1. Start the DB2 Information Center in one of the following ways:
 - From the graphical administration tools, click on the **Information Center** icon in the toolbar. You can also select it from the **Help** menu.
 - At the command line, enter **db2ic**.
2. Ensure your machine has access to the external Internet; the updater will download the latest documentation FixPak from the IBM server if required.
3. Select **Information Center** —> **Update Local Documentation** from the menu to start the update.
4. Supply your proxy information (if required) to connect to the external Internet.

The Information Center will download and apply the latest documentation FixPak, if one is available.

To manually download and apply the documentation FixPak :

1. Ensure your machine is connected to the Internet.
2. Open the DB2 support page in your Web browser at:
www.ibm.com/software/data/db2/udb/winos2unix/support.
3. Follow the link for Version 8 and look for the "Documentation FixPaks" link.

4. Determine if the version of your local documentation is out of date by comparing the documentation FixPak level to the documentation level you have installed. This current documentation on your machine is at the following level: **DB2 v8.1 GA**.
5. If there is a more recent version of the documentation available then download the FixPak applicable to your operating system. There is one FixPak for all Windows platforms, and one FixPak for all UNIX platforms.
6. Apply the FixPak:
 - For Windows operating systems: The documentation FixPak is a self extracting zip file. Place the downloaded documentation FixPak in an empty directory, and run it. It will create a **setup** command which you can run to install the documentation FixPak.
 - For UNIX operating systems: The documentation FixPak is a compressed tar.Z file. Uncompress and untar the file. It will create a directory named `delta_install` with a script called **installdocfix**. Run this script to install the documentation FixPak.

Copying files from the DB2 HTML Documentation CD to a Web server

The entire DB2 information library is delivered to you on the *DB2 HTML Documentation CD* and may be installed on a Web server for easier access. Simply copy to your Web server the documentation for the languages that you want.

Note: You might encounter slow performance if you access the HTML documentation from a Web server through a low-speed connection.

Procedure:

To copy files from the *DB2 HTML Documentation CD* to a Web server, use the appropriate source path:

- For Windows operating systems:
`E:\program files\IBM\SQLLIB\doc\htmlcd\%L*.*`

where *E* represents the CD-ROM drive and *%L* represents the language identifier.

- For UNIX operating systems:
`/cdrom/program files/IBM/SQLLIB/doc/htmlcd/%L/*.*`

where *cdrom* represents the mount point for the CD-ROM drive and *%L* represents the language identifier.

Troubleshooting DB2 documentation search with Netscape 4.x

Most search problems are related to the Java support provided by web browsers. This task describes possible workarounds.

Procedure:

A common problem with Netscape 4.x involves a missing or misplaced security class. Try the following workaround, especially if you see the following line in the browser Java console:

```
Cannot find class java/security/InvalidParameterException
```

- On Windows operating systems:

From the *DB2 HTML Documentation CD*, copy the supplied *x:program files\IBM\SQLLIB\doc\htmlcd\locale\InvalidParameterException.class* file to the *java\classes\java\security* directory relative to your Netscape browser installation, where *x* represents the CD-ROM drive letter and *locale* represents the name of the desired locale.

Note: You may have to create the *java\security* subdirectory structure.

- On UNIX operating systems:

From the *DB2 HTML Documentation CD*, copy the supplied */cdrom/program files/IBM/SQLLIB/doc/htmlcd/locale/InvalidParameterException.class* file to the *java/classes/java/security/* directory relative to your Netscape browser installation, where *cdrom* represents the mount point of the CD-ROM and *locale* represents the name of the desired locale.

Note: You may have to create the *java/security/* subdirectory structure.

If your Netscape browser still fails to display the search input window, try the following:

- Stop all instances of Netscape browsers to ensure that there is no Netscape code running on the machine. Then open a new instance of the Netscape browser and try to start the search again.
- Purge the browser's cache.
- Try a different version of Netscape, or a different browser.

Searching the DB2 documentation

You can search the library of DB2 documentation to locate information that you need. A pop-up search window opens when you click the search icon in the navigation toolbar of the DB2 Information Center (accessed from a browser). The search can take a minute to load, depending on the speed of your computer and network.

Prerequisites:

You need Netscape 6.1 or higher, or Microsoft's Internet Explorer 5 or higher. Ensure that your browser's Java support is enabled.

Restrictions:

The following restrictions apply when you use the documentation search:

- Search is not case sensitive.
- Boolean searches are not supported.
- Wildcard and partial searches are not supported. A search on *java** (or *java*) will only look for the literal string *java** (or *java*) and would not, for example, find *javadoc*.

Procedure:

To search the DB2 documentation:

1. In the navigation toolbar, click the **Search** icon.
2. In the top text entry field of the Search window, enter one or more terms (separated by a space) related to your area of interest and click **Search**. A list of topics ranked by accuracy displays in the **Results** field. The numerical ranking beside the hit provides an indication of the strength of the match (bigger numbers indicate stronger matches).
Entering more terms increases the precision of your query while reducing the number of topics returned from your query.
3. In the **Results** list, click the title of the topic you want to read. The topic displays in the content frame of the DB2 Information Center.

Note: When you perform a search, the first (highest-ranking) result is automatically loaded into your browser frame. To view the contents of other search results, click on the result in the results list.

Online DB2 troubleshooting information

With the release of DB2[®] UDB Version 8, there will no longer be a *Troubleshooting Guide*. The troubleshooting information once contained in this guide has been integrated into the DB2 publications. By doing this, we are able to deliver the most up-to-date information possible. To find information on the troubleshooting utilities and functions of DB2, access the DB2 Information Center from any of the tools.

Refer to the DB2 Online Support site if you are experiencing problems and want help finding possible causes and solutions. The support site contains a large, constantly updated database of DB2 publications, TechNotes, APAR

(product problem) records, FixPaks, and other resources. You can use the support site to search through this knowledge base and find possible solutions to your problems.

Access the Online Support site at www.ibm.com/software/data/db2/udb/winos2unix/support, or by clicking the **Online Support** button in the DB2 Information Center. Frequently changing information, such as the listing of internal DB2 error codes, is now also available from this site.

Accessibility

Accessibility features help users with physical disabilities, such as restricted mobility or limited vision, to use software products successfully. These are the major accessibility features in DB2[®] Universal Database Version 8:

- DB2 allows you to operate all features using the keyboard instead of the mouse. See “Keyboard Input and Navigation”.
- DB2 enables you customize the size and color of your fonts. See “Accessible Display”.
- DB2 allows you to receive either visual or audio alert cues. See “Alternative Alert Cues” on page 592.
- DB2 supports accessibility applications that use the Java[™] Accessibility API. See “Compatibility with Assistive Technologies” on page 592.
- DB2 comes with documentation that is provided in an accessible format. See “Accessible Documentation” on page 592.

Keyboard Input and Navigation

Keyboard Input

You can operate the DB2 Tools using only the keyboard. You can use keys or key combinations to perform most operations that can also be done using a mouse.

Keyboard Focus

In UNIX-based systems, the position of the keyboard focus is highlighted, indicating which area of the window is active and where your keystrokes will have an effect.

Accessible Display

The DB2 Tools have features that enhance the user interface and improve accessibility for users with low vision. These accessibility enhancements include support for customizable font properties.

Font Settings

The DB2 Tools allow you to select the color, size, and font for the text in menus and dialog windows, using the Tools Settings notebook.

Non-dependence on Color

You do not need to distinguish between colors in order to use any of the functions in this product.

Alternative Alert Cues

You can specify whether you want to receive alerts through audio or visual cues, using the Tools Settings notebook.

Compatibility with Assistive Technologies

The DB2 Tools interface supports the Java Accessibility API enabling use by screen readers and other assistive technologies used by people with disabilities.

Accessible Documentation

Documentation for the DB2 family of products is available in HTML format. This allows you to view documentation according to the display preferences set in your browser. It also allows you to use screen readers and other assistive technologies.

DB2 tutorials

The DB2[®] tutorials help you learn about various aspects of DB2 Universal Database. The tutorials provide lessons with step-by-step instructions in the areas of developing applications, tuning SQL query performance, working with data warehouses, managing metadata, and developing Web services using DB2.

Before you begin:

Before you can access these tutorials using the links below, you must install the tutorials from the *DB2 HTML Documentation CD*.

If you do not want to install the tutorials, you can view the HTML versions of the tutorials directly from the *DB2 HTML Documentation CD*. PDF versions of these tutorials are also available on the *DB2 PDF Documentation CD*.

Some tutorial lessons use sample data or code. See each individual tutorial for a description of any prerequisites for its specific tasks.

DB2 Universal Database tutorials:

If you installed the tutorials from the *DB2 HTML Documentation CD*, you can click on a tutorial title in the following list to view that tutorial.

Business Intelligence Tutorial: Introduction to the Data Warehouse Center
Perform introductory data warehousing tasks using the Data Warehouse Center.

Business Intelligence Tutorial: Extended Lessons in Data Warehousing
Perform advanced data warehousing tasks using the Data Warehouse Center.

Development Center Tutorial for Video Online using Microsoft® Visual Basic
Build various components of an application using the Development Center Add-in for Microsoft Visual Basic.

Information Catalog Center Tutorial
Create and manage an information catalog to locate and use metadata using the Information Catalog Center.

Video Central for e-business Tutorial
Develop and deploy an advanced DB2 Web Services application using WebSphere® products.

Visual Explain Tutorial
Analyze, optimize, and tune SQL statements for better performance using Visual Explain.

DB2 Information Center accessed from a browser

The DB2® Information Center gives you access to all of the information you need to take full advantage of DB2 Universal Database™ and DB2 Connect™ in your business. The DB2 Information Center also documents major DB2 features and components including replication, data warehousing, the Information Catalog Center, Life Sciences Data Connect, and DB2 extenders.

The DB2 Information Center accessed from a browser has the following features if you view it in Netscape Navigator 6.1 or later or Microsoft Internet Explorer 5 or later. Some features require you to enable support for Java or JavaScript:

Regularly updated documentation

Keep your topics up-to-date by downloading updated HTML.

Search

Search all of the topics installed on your workstation by clicking **Search** in the navigation toolbar.

Integrated navigation tree

Locate any topic in the DB2 library from a single navigation tree. The navigation tree is organized by information type as follows:

- Tasks provide step-by-step instructions on how to complete a goal.
- Concepts provide an overview of a subject.
- Reference topics provide detailed information about a subject, including statement and command syntax, message help, requirements.

Master index

Access the information installed from the *DB2 HTML Documentation CD* from the master index. The index is organized in alphabetical order by index term.

Master glossary

The master glossary defines terms used in the DB2 Information Center. The glossary is organized in alphabetical order by glossary term.

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