

IBM InfoSphere Classic Change Data Capture for z/OS
Version 11 Release 3

System Messages



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Note

Before using this information and the product that it supports, read the information in “Notices” on page 211.

This edition applies to and to all subsequent releases and modifications until otherwise indicated in new editions.

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System messages

These topics provide detailed descriptions of system messages, with explanations and user responses for the situations that are associated with these messages.

How to interpret messages

The Classic products issue messages to communicate system status and processing results. Messages are identifiable by unique message numbers. The format of a message number can help you understand what the message applies to and, in some cases, its severity.

The numbers that are assigned to messages are associated with specific services, components, or functional areas. The following table identifies each set of messages and the service, component, or functional area associated with the message set.

Table 1. Message sets

Message set	Service, component, or functional area
-nnnn	SQL errors
0x0000	General errors
0x0002	File management
0x000b	Query processor
0x0013	JDBC driver
0x002f	SQL data errors
0x0040	AIX®
0x0042	B-tree
0x0049	Query processor
0x004d	User exits
0x0055	Query processor governer
0x0056	CLI and ODBC clients
0x0057	Metadata catalog
0x005e	Windows operating system
0x0063	Connection handler
0x0065	Configuration management
0x0066	Virtual messaging interface
0x0067	Local queue protocol
0x0068	TCP/IP SKT protocol
0x0069	Virtual communications interface (VCI)
0x006a	z/OS® operating system
0x006f	ICU/NLS
0x0070	z/OS Workload Manager (WLM) exit
0x0071	Dynamic catalog update
0x0072	
0x0073	
0x0074	

Table 1. Message sets (continued)

Message set	Service, component, or functional area
0x0076	Metadata utility
0x0079	UNIX domain sockets protocol
0x0081	VSAM file processing
0x0085	Cross memory (XM) protocol
0x0088	z/OS hiperspace processing
0x0092	Change data capture engine-to-engine protocol
0x0093	Indexed list interface
0x0103	Replication capture service
0x0109	Replication log reader service
0x010b	Classic replication monitoring service
0x010c	Classic replication administration service
0x010d	Classic replication runtime environment
0x010e	VSAM log reader service. Note: This message set applies to Classic CDC for VSAM only.
0x0110	IMS™ log reader interface. Note: This message set applies to Classic CDC for IMS only.
0x0112	Intertask communication messages (ICMs)
0x0113	Conversion messages

Messages that begin with the CAC and CEC prefixes are console messages. These sets of messages are in the following format:

CECM0001I

CEC The first three characters represent the Classic product.

M The fourth character is the component identifier, which identifies the component that issued the message. In this example, M identifies the monitoring service.

0001 The numeric identifier is three to four characters long and begins at the fifth character in the message. The numeric identifier is unique within the component.

I The last character of the message is the message type code. The message type codes include:

A Action is required.

E Error message.

I Informational message.

W Warning message.

Table 2. Console message sets

Message set	Service, component, or functional area
CAC0	Data server
CACA	Controller service
CACB	Logger service and log print utility (CACPRTLG)

Table 2. Console message sets (continued)

Message set	Service, component, or functional area
CACC	Connection handler service
CACD	Metadata catalog
CACE	Query processor service
CACF	Database access service
CACL	System exits
CECC	Capture service
CECD	DBMS specific messages Note: The following message sets apply to specific product features: <ul style="list-style-type: none"> • CECD0001 - CECD0255: All product features. • CECD0768 - CECD1023: Classic CDC for IMS only. • CECD1024 - CECD1279: Classic CDC for VSAM only.
CECL	General log reader service
CECM	Monitoring service
CECN	Administration service
CECV	VSAM log reader service. Note: This message set applies to Classic CDC for VSAM only.
CECZ	IMS log reader interface. Note: This message set applies to Classic CDC for IMS only.

How to find additional information about messages

When you are working with the Classic products, you might encounter messages issued by other IBM® products, such as IMS, CICS®, or z/OS. Information about messages issued by these and other IBM products is available in a variety of formats.

CICS Information centers for multiple versions of CICS are available as part of the CICS Library.

DataStage®

DataStage messages are available in the Information Server Information Center.

DB2® for Linux, UNIX, and Windows

Information for multiple versions of DB2 for Linux, UNIX, and Windows is available as part of the DB2 Database for Linux, UNIX, and Windows Library .

DB2 for z/OS

DB2 for z/OS messages are available in the Information Management Software for z/OS Solutions Information Center.

IMS IMS messages are available in the Information Management Software for z/OS Solutions Information Center.

WebSphere® MQ

Information for multiple versions of WebSphere MQ is available as part of the WebSphere MQ Internet Library.

z/OS Information for multiple versions of z/OS is available as part of the z/OS Internet Library.

Many IBM message references are also available from the IBM Publications Center and some IBM product messages, such as the DB2 for z/OS messages, are enabled for the LookAt facility.

SQL error codes (-nnnn)

SQL Codes that are issued when processing an SQL statement.

0 **This is a successful run.**

Explanation: The SQL statement ran successfully.

User response: No action is required.

-60 **The length or scale is not valid.**

Explanation: The length or scale argument that was passed to the DECIMAL scalar function is not valid. The value that was passed is either an incorrect data type or exceeds the maximum allowed value for the decimal data type.

User response: Correct the SQL statement.

-84 **The SQL statement cannot be executed.**

Explanation: The SQL statement is unacceptable to DB2. One of the following conditions occurred:

- An attempt was made to prepare or execute immediately an SQL statement that cannot be prepared, such as a FETCH or INCLUDE statement.
- The embedded SQL statement is not supported by DB2.

The statement cannot run. If the situation involves an SQL statement that cannot be prepared, the problem is in the source of the SQL statement, not the application program. No action is necessary unless the source of the SQL statement is the application program itself.

User response: If the situation involves an SQL statement that is not supported by DB2, remove it from the application program and try again.

-102 **The literal string is too long. The maximum allowable size is *size*. The string begins with *string*.**

Explanation: A literal string that begins with *string* that was passed in an SQL statement exceeds the maximum length for a string in the specified context.

User response: Correct the incorrect string constant, and resubmit the statement.

-104 ***token* is an incorrect token.**

Explanation: An unexpected or incorrect token was

discovered while parsing an SQL statement. This is a general syntax error in the SQL expression. The error was detected at the token that is listed in the error

User response: Correct the SQL statement and resubmit.

-107 **The name, *name* is too long. The maximum allowable size is *size*.**

Explanation: The name that was passed in an SQL statement exceeds the maximum length for an identifier of its type. Maximum lengths for identifiers are:

- 8 characters for owner names (authorization IDs).
- 18 characters for table, view, and procedure names.
- 30 characters for column names.

User response: Correct the incorrect name and resubmit the statement.

-109 ***clause* clause is not permitted.**

Explanation: A clause that begins with *clause* that was specified on an SQL statement is not valid in the current context.

User response: Correct the clause, and resubmit the statement.

-112 **The operand of a column function is another column function.**

Explanation: One of the operands of an aggregate column function was another column function. Aggregates of aggregate functions are not valid.

User response: Correct the SQL statement.

-113 **There is an incorrect character in: *string*, reason code *nmn*.**

Explanation: An incorrect character was detected in the string constant that begins with the string value that is specified. The possible return codes are:

000 An incorrect character was found in the string, such as a new line

- 101 There must be an even number of bytes between the shift-out and the shift-in characters.
- 102 Either a shift-in or shift-out character is missing.
- 103 DBCS blanks (X'4040') are not acceptable between the shift-out and the shift-in.
- 104 No characters between Shifts
- 105 Shift-out cannot be the first byte of the DBCS character between the shift-out and the shift-in characters.
- 106 The DBCS delimited identifier must begin with a shift-out character and end with a shift-in character.

User response: Correct the incorrect string and resubmit the statement.

-117 The number of insert columns must match the number of insert values.

Explanation: An INSERT statement contained a different number of insert columns from the number of insert values that were supplied.

User response: Correct the SQL statement.

-119 A column that was identified in a HAVING clause must be included in the GROUP BY clause.

Explanation: One of the columns that were referenced in the HAVING clause was not included in the GROUP BY clause. All columns in a HAVING clause that are not operands of an aggregate function (AVG, COUNT, MIN, MAX, or SUM) must also be included in the GROUP BY clause.

User response: Correct the SQL statement.

-120 A WHERE clause or SET clause includes an aggregate column function.

Explanation: The WHERE or SET clause includes an incorrect aggregate column function, such as AVG, COUNT, MIN, MAX, or SUM). These functions are allowed only in SELECT lists, HAVING clauses, or WHERE clauses that are part of a subselect within a subquery of a HAVING clause.

User response: Correct the SQL statement.

-121 An INSERT or UPDATE statement references a column for update multiple times.

Explanation: An INSERT or UPDATE statement listed the same column name more than one time in its update list.

User response: Correct the SQL statement.

-122 The SELECT statement with a no GROUP BY clause contains a column name and a column function in the SELECT clause, or a column name is contained in the select clause, but not in the GROUP BY clause.

Explanation: The SELECT statement contains one of the following types of errors:

- The statement contains a column name and a column function in the SELECT clause, but no GROUP BY clause.
- The column name that is contained in the GROUP BY clause is a view column that was derived from a constant, an expression, or a function.

The statement cannot run.

User response: See the product documentation for more information about the use of the GROUP BY clauses in the SQL statements.

-125 An integer in the ORDER BY clause must identify a column of the result.

Explanation: The ORDER BY clause in the statement contains a column number that is either less than one or greater than the number of columns of the result table (the number of items in the SELECT clause). The statement cannot run.

User response: Correct the syntax of the ORDER BY clause. Ensure that each column identifier properly denotes a column of the result table.

-126 The SELECT statement contains both an ORDER BY clause and an UPDATE clause.

Explanation: A SELECT statement contains both an ORDER BY clause and an UPDATE clause. The cursor that was declared for update cannot contain an ORDER BY clause.

User response: Correct the SQL statement.

-127 The DISTINCT qualifier is specified more than once in a subselect.

Explanation: The DISTINCT qualifier can only be used once in a SELECT statement or subselect.

User response: Correct the SQL statement.

-129 There are too many tables referenced in a single query.

Explanation: The SQL statement contains more than 15 table references. The number of tables that are referenced in a single query must not exceed 15. Table

references include all tables in subselects as well as any tables that are referenced implicitly through views.

User response: Correct the SQL statement.

-134 **There is an improper use of the LONG STRING COLUMN or a host variable of a MAXIMUM LENGTH greater than 254.**

Explanation: This column or host variable cannot appear in ORDER BY or GROUP BY clauses, UNION subqueries, subselects, or functions. SUBSTR is the only scalar function that can use long string values. LIKE and NOT LIKE are the only predicates that can use long-string values.

The statement cannot run. The column-name might not be returned in SQLCA, depending on the nature of the error and the syntax in which it occurred.

The requested operation on a long-string value is not supported by DB2.

User response: See *IBM DB2 SQL Reference* for information about restrictions on the specification and manipulation of long-string values.

-138 **The SUBSTRING argument is not valid.**

Explanation: The second or third argument to the SUBSTR scalar function is not valid. Possibilities include:

- The argument is NULL
- The second argument is less than 1 or is greater than the maximum length of the first operand.
- The third argument is less than 1 or is greater than the maximum length of the first operand minus the second operand.

User response: Correct the SQL statement.

-150 **An INSERT, UPDATE, or DELETE statement was issued on a view.**

Explanation: An INSERT, UPDATE, or DELETE statement referenced a view as the target table on which to issue the insert, update, or delete action. Updates on views are not valid.

User response: Correct the SQL statement

-151 **An UPDATE was issued on a non-updateable column.**

Explanation: An UPDATE statement referenced a column that is marked in the catalog as non-updateable.

User response: Correct the SQL statement.

-153 **A CREATE VIEW statement must have a column-name list.**

Explanation: A CREATE VIEW statement contained select list expressions that were unnamed. When a CREATE VIEW includes unnamed select list items, the normally optional column-name list for the view becomes required so that all items in the select list have a name.

User response: Correct the SQL statement. Either provide names for all of the columns in the view, or name the unnamed expressions in the select list with the AS specification.

-156 **The target of a MAP INDEX statement must be a table.**

Explanation: A MAP INDEX statement references a catalog item that is not a table.

User response: Correct the SQL statement.

-158 **The column list for view is not valid.**

Explanation: The number of named columns in a CREATE VIEW statement does not match the number of select items in the select statement for the view.

User response: Correct the SQL statement.

-170 **The number of arguments is not valid.**

Explanation: The number of named columns in a create view statement does not match the number of select items in the select statement for the view.

User response: Correct the SQL statement.

-171 **The function argument is not valid.**

Explanation: The data type, length, or value of a function argument is not valid.

User response: Correct the SQL statement. If the cause of the error is not apparent by sight-checking the SQL, consult the data server log for more information.

-181 **The string representation of a DATETIME value is not valid.**

Explanation: A string form of a DATE, TIME, or TIMESTAMP value could not be converted to an internal date or time format because it either contained characters that are not valid, or it was not in a recognized date, time, or timestamp format.

User response: Correct the SQL statement.

-182 **An arithmetic expression with a DATETIME value is not valid.**

Explanation: Arithmetic expressions with datetime values or labeled durations are not valid.

User response: Correct the SQL statement.

-183 **An arithmetic operation on a DATE or TIMESTAMP value produced a value that is out of the range of the valid dates.**

Explanation: The calculation of a DATE or TIMESTAMP value resulted in a date that is outside the range of 0001-01-01 and 9999-12-31.

User response: Correct the SQL statement.

-185 **The LOCAL date and time format is not supported.**

Explanation: The CHAR scalar function was specified for a date or time with the LOCAL formatting option. The LOCAL option is not supported.

User response: Correct the SQL statement.

-199 **The keyword, *keyword* is not valid.**

Explanation: The named keyword is not valid in the context in which it is being used in the statement. Example causes for this error are:

- Using a BEGIN LEVEL clause to define an array on a table that maps a DB2 table on a CREATE TABLE statement. Arrays are not allowed on such tables.
- Specifying the ALL keyword and a null-value string greater than one character in the NULL IS portion of a MAXOCCURS clause in a CREATE TABLE statement.
- Specifying the PRIMARY KEY clause on a column definition as well as at the TABLE level on a CREATE TABLE statement.

User response: Correct the SQL statement and resubmit.

-203 **A reference to a column name is ambiguous.**

Explanation: An unqualified column name in the query is ambiguous. The named column exists in more than one table in the query and must be qualified with either a correlation name or a combination owner and table name to resolve the ambiguity.

User response: Correct the SQL statement. If the cause of the error is not apparent by sight-checking the SQL, consult the data server log for the column name in error.

-204 **The *name* is an undefined name.**

Explanation: The named table, view, or procedure name that was passed in an SQL statement was not found in the system catalog.

User response: Correct the incorrect name and resubmit the statement.

-205 **The column, *column-name* is not a column in the table, *table-name*.**

Explanation: The named column name in the SQL statement is not defined in the named table or view.

User response: Correct the incorrect name and resubmit the statement.

-206 **The *column-name* must be a column in an inserted table, updated table, or any table that is identified in a FROM clause.**

Explanation: A column name in the SQL statement was not found in any of the tables or views that are included in the statement.

User response: Correct the SQL statement. If the cause of the error is not apparent by sight-checking the SQL, consult the data server log for the column name in error.

-208 **A column that is not valid is included in the ORDER BY clause.**

Explanation: A column name in the ORDER BY clause is not valid because it was not included in the select list of the SELECT statement.

User response: Correct the SQL statement.

-300 **The host variable is not null terminated.**

Explanation: A host variable was received from the client with a descriptor of "null terminated string," but the string was not null terminated or exceeded 254-characters in length.

User response: Correct the application program.

-301 **The input-host variable type is not valid.**

Explanation: A stored procedure CALL statement passed an IN or INOUT host variable with a data type that is not compatible with the data type that is declared in the procedure call.

User response: Correct the application program.

-302 The host variable is not valid or too large for the target column.

Response: Correct the host variable.

-303 The output-host variable type is not valid.

Explanation: A CALL or FETCH statement supplied a receiving host variable with an incompatible data type for the stored procedure parameter declaration or result set column data type.

User response: Correct the application program.

-304 Conversion of SQL data type would result in truncated value.

Explanation: An attempt was made to convert an SQL data type into another SQL data type, which would result in truncation of the data because of the size of the target data type.

Correct the SQL statement.

-305 An output-indicator variable was not given.

Explanation: An attempt was made to set the NULL indicator for an output host variable, which did not include an indicator variable.

User response: Correct the application program.

-312 CREATE VIEW statement contains parameter markers or host variables.

Explanation: A CREATE VIEW statement contains parameter markers or host variables. Parameter markers or host variables in CREATE VIEW statements are not allowed.

User response: Correct the SQL statement.

-313 The number of host variables is incorrect.

Explanation: The number of host variables that were passed in an OPEN or EXECUTE statement does not match the number of parameter markers that were defined in the statement.

User response: Correct the application program.

-338 The ON clause for a table join is not valid.

Explanation: Each expression in the ON clause for a table join must reference a column from each table in the join and a comparison operator (<, <=, =, >, >=). If the JOIN is a FULL OUTER join, the comparison operator must be '='. FULL OUTER JOINS can also use the COALESCE or VALUE function if the operands of

the function contain a column from each table. Any ON clause expressions other than those stated above will result in an SQLCODE of -338.

User response: Correct the application program.

-401 The operands of an arithmetic or comparison operation are not comparable.

Explanation: An arithmetic operation that appears within the SQL statement has a mixture of numeric and nonnumeric operands, or the operands of a comparison operation are not compatible. An arithmetic or comparison operation is defined in the statement with operands that include non-comparable data types. Examples include:

- Comparison of numeric and character data types
- Comparison of numeric and graphic data types
- Comparison of date and non-date data types
- Comparison of time and non-time data types

User response: The statement cannot run. Check the data types of all operands to ensure that their data types are comparable and compatible with their usage in the statement. If all the operands of the SQL statement are correct and a view is being accessed, check the data types of all the operands in the view definition

-402 An expression in a select list contains operands that are not compatible.

Explanation: A select list expression contains an operation with operands that are not compatible.

User response: See the explanation of SQLCODE -401 for examples of non-compatible types. Correct the SQL statement.

-405 The numeric literal is out of range.

Explanation: A numeric literal exceeded the maximum precision or exponent value that is allowed for a floating-point number. All numeric literals are converted to either integer or floating-point values. The maximum value might vary between operating systems, but generally, it is 15 digits of precision. If the number of digits in the literal exceeds the precision of a floating point number or a floating point number contains an exponent that is out of the range, this code is issued.

User response: Correct the SQL statement.

-407 An UPDATE or INSERT value is NULL, and the target column is defined as NOT NULL.

Explanation: An attempt was made to INSERT or

UPDATE a column that was declared as not nullable with the NULL value.

User response: Correct the SQL statement.

-408 **An UPDATE or INSERT value is not compatible with the data type of the target column.**

Explanation: An attempt was made to INSERT or UPDATE a column with a value that is not compatible with the data type of the target column.

User response: Correct the SQL statement.

-412 **The SELECT CLAUSE of a subquery specifies multiple columns.**

Explanation: A subselect that is used in a comparison operation specified more than one column. Subselects that are used for comparison operations must only specify one result column.

User response: Correct the SQL statement.

-415 **The corresponding columns in each table of a UNION do not have the compatible data types.**

Explanation: The corresponding columns in each table of a UNION must have compatible data types based on the position of each column in the UNION select list. For example, the first item in each select list in a UNION must be compatible with the first item in every table in the UNION.

User response: Correct the SQL statement. If the incompatible column is not apparent by sight-checking the SQL, consult the data server log for more information on the column that resulted in this error.

-416 **There is an operand of a UNION that contains a long SQL column.**

Explanation: One of the select items in a query contained a long SQL data type (LONG VARCHAR, LONG_VARGRAPHIC). Long SQL data types are not allowed in UNION queries.

User response: Correct the SQL statement.

-419 **The decimal-divide operation is not valid.**

Explanation: A decimal divide operation is not valid because the algorithm that is used to determine the decimal result calculated a negative scale value.

User response: Correct the SQL statement.

-420 **There is an incorrect decimal string.**

Explanation: A string representation of the decimal data contained characters that are not valid and could not be converted to a decimal data type.

User response: Correct the SQL statement.

-421 **The operands of a UNION do not have the same number of result columns.**

Explanation: The number of result columns in a UNION select list did not match the number of result columns in one of the other UNION select lists. Each select list in a UNION must have exactly the same number of result columns.

User response: Correct the SQL statement.

-444 **The stored procedure failed to load.**

Explanation: The application program name identified on the EXTERNAL NAME parameter in the CREATE PROCEDURE statement could not be loaded when the stored procedure was executed.

Response: Ensure that the correct application program name was specified on the CREATE PROCEDURE statement and that the program name exists in a load library that is concatenated into the STEPLIB DD statement that the data server is referencing.

-469 **The stored procedure definition includes one or more OUTPUT parameters for which no host variable was passed.**

Explanation: The CALL statement did not include a host variable for one of the stored procedure OUTPUT or OUTIN parameters. Every output parameter in a stored procedure definition must have a host variable passed in its associated CALL statement.

Response: Correct the application program.

-501 **The cursor that is identified in a FETCH or CLOSE statement is not open.**

Explanation: The application program attempted to either FETCH using a cursor or CLOSE a cursor when the specified cursor was not open.

Response: Correct the logic of the application program to ensure that the cursor is open when the FETCH or CLOSE statement runs.

-502 **The cursor that is identified in an OPEN statement is already open.**

Explanation: The application program attempted to run an OPEN statement for a cursor that was already open. The statement cannot run. The cursor was unchanged (not reopened).

Response: Correct the logic of the application program to ensure that it does not attempt to run an OPEN statement for a cursor that is already open.

-504 The cursor name is not defined.

Explanation: The cursor was not declared in the application program before it was referenced. The statement cannot run.

User response: Check the application program for completeness and for a possible spelling error in the cursor declaration. The declaration for a cursor must appear in an application program before statements that reference the cursor. For information about cursor-name, see the SQL log.

-514 The cursor is not in a prepared state.

Explanation: The application program tried to use a cursor that is not in a prepared state. The cursor is associated with a statement that has never been prepared, or has been invalidated by a COMMIT or ROLLBACK.

The statement cannot run. Ensure that the statement that is named in the DELCARE CURSOR statement for cursor-name is prepared before the cursor is opened. Do not issue COMMIT or ROLLBACK until after use of the cursor is complete, or prepare the statement again after the COMMIT or ROLLBACK.

User response: For information about cursor-name, see the SQL log.

-516 The DESCRIBE statement does not identify a PREPARED statement.

Explanation: An attempt was made to run a DESCRIBE for a statement that was not successfully prepared beforehand. The statement cannot run.

User response: Correct the logic of the application program to ensure that a statement is properly prepared before a DESCRIBE of the statement is attempted.

-517 The statement that is named in the declaration for the cursor must be a SELECT statement.

Explanation: The cursor could not be used as specified because the prepared statement that was named in the declaration for the cursor was not a SELECT statement. The statement cannot run.

User response: Verify that the statement name is specified correctly in the PREPARE statement and in the DECLARE CURSOR statement for *cursor-name*. Alternately, correct the application program logic to ensure that only prepared SELECT statements are used in association with cursor declarations. For information about cursor-name, see the SQL log.

-518 The statement is not prepared.

Explanation: An attempt was made to EXECUTE a statement that was not previously prepared.

User response: Correct the application program.

-519 The PREPARE statement identifies the SELECT statement of the opened cursor.

Explanation: The application program attempted to re-PREPARE the SELECT statement for the specified cursor when that cursor was already open. The statement cannot run. The cursor was not affected.

User response: Correct the logic of the application program so that it does not attempt to re-PREPARE the SELECT statement for a cursor when that cursor is open. For information about cursor-name, see the SQL log.

-530 The foreign key was incorrect. The insert positioning failed on a multi-record mapped table.

Explanation: An INSERT statement for a multi-record mapped table contains values for records in a database path other than the last mapped record in the table. The values that are specified are used to qualify the position of the new inserted record and a position could not be found that uses the values that were passed.

User response: Review the values that were passed and verify that values for records, other than the last record in the mapping, can be used to position an insert in the database. Correct the SQL.

-537 The primary key clause identifies the column, *column-name* more than once.

User response: Correct the SQL statement.

-542 The *column-name* cannot be a column of a primary key because it can contain null values.

User response: Correct the SQL statement.

-551 Privileges are necessary to run the SQL statement.

Explanation: The privileges that are required to process the SQL statement are not granted to the user who ran the statement. If the statement contains more than one table or view reference, the user must have the necessary privileges on all referenced tables and views.

Explanation: Grant the appropriate privileges to the user, if necessary. To determine which table or view

does not have the necessary access rights, consult the data server log.

-601 **The name of the object to be created cannot be identical to the existing name.**

User response: Change the name of the object and resubmit the statement.

-602 **The CREATE INDEX statement specifies too many columns (*number* is the maximum).**

Explanation: The maximum number of column names that can be referenced in a CREATE INDEX statement is sixteen.

User response: Reduce the number of columns referenced. Consider combining multiple CHAR columns that are adjacent to each other to meet the sixteen column limit. Do not attempt to combine multiple columns together into a single column if they have different SQL data types.

-604 **A data type definition specifies an incorrect length, precision, or scale attribute for *column-name*.**

User response: Correct the SQL statement.

-607 **An INSERT, UPDATE, or DELETE statement was issued on a non-updateable table.**

Explanation: An INSERT, UPDATE, or DELETE statement was issued on a system catalog table.

User response: Do not issue updates to system catalog tables.

-612 **A duplicate column name is specified.**

Explanation: A CREATE VIEW statement included a duplicate column name. Each select list in the select statement for a CREATE VIEW must have a unique column name.

User response: Specify a different column name.

-637 **Duplicate *keyword*. *keyword*.**

Explanation: The keyword *keyword* that was passed in an SQL statement is being used twice in the specified context.

User response: Correct the keyword, and resubmit the statement.

-638 **The table, *table*, cannot be created because a column definition is missing.**

Explanation: The CREATE TABLE statement does not contain a column definition. The SQL statement cannot run.

User response: Add a column definition to the statement.

-644 **An incorrect value, *value*, is specified for the keyword or clause, *keyword-or-clause* in the statement, *stmt-type*.**

User response: Change the value.

-681 **An error occurred while a column in a field procedure was being encoded or decoded.**

Explanation: An error occurred in encoding or decoding a column within a field procedure.

User response: Check for the following possible errors:

- Incorrect value on encode or decode or invalid column data type.
- Field procedure function error.

The field procedure return code and error message are written to the server log. Check the log for more information.

-682 **The program cannot load the field procedure.**

Explanation: The field procedure module cannot be loaded. The statement cannot run.

User response: View the server log output for possible problem information. Ensure that the named field procedure is in the STEPLIB DD concatenation or LIBDEF PHASE search chain for the data server.

-802 **The SQL statement caused a data exception error.**

User response: Examine the SQL statement to see if the cause of the problem can be determined. The problem might be data-dependent, in which case it will be necessary to examine the data that was processed when the error occurred. See the data server log for information about data types.

-803 **Duplicate keys were detected on table *table-name*.**

User response: One or more values in an INSERT statement, UPDATE statement, or foreign key update caused by a DELETE statement are not valid because the primary key, unique constraint, or unique index

constrains the table from having duplicate rows for those columns.

-804 The input SQLDA is incorrect.

Explanation: An INSERT or UPDATE cannot be completed because there are duplicate values in an index column.

User response: Verify the unique column table constraint definition, and that duplicate values will not occur

-811 The results of a subselect produced more than one row.

Explanation: An imbedded subselect produced a result set which contained more than one row of data. The subselect as written is restricted to a single row of data.

User response: Correct the SQL statement.

-817 An update is prohibited. A two-phase-commit situation or a catalog update statement (DDL) was issued while another connector transaction was incomplete.

Explanation: A prohibited update statement was issued while a transaction was in progress for a connector. The update is prohibited for one of the following reasons:

- The update is for a different connector and two-phase commit is not supported.
- The update requires a new database thread to the underlying database and two-phase commit is not supported.
- A stored procedure call was issued, which is an implied autocommit.
- A DDL, GRANT, or REVOKE statement was issued, which is an implied autocommit.

User response: Remove the statement in error or COMMIT the transaction prior to issuing the update statement in error.

For more information on two-phase commit support, see the documentation for IBM WebSphere Classic Federation Server for z/OS.

-870 The number of host variables is incorrect.

Explanation: A stored procedure CALL statement passed an incorrect number of host variables.

User response: Correct the application program.

-904 An unavailable resource prevented the SQL statement from running.

Explanation: The SQL statement could not be run. See the data server log for more information.

User response: Verify the identity of the resource that was not available. The reason the resource was unavailable can be determined by checking the specified reason code. See the IBM DB2 documentation for additional information.

-922 Authorization for the connection failed.

Explanation: Possible errors include these items:

- User validation
- Resource access
- Installation error

The statement cannot run. The connection was not established.

-4901 The cursor limit was exceeded.

Explanation: An application attempted to open too many cursors simultaneously. Only 100 active cursors are supported from a single client application.

User response: Modify the application to reduce the number of cursors that are opened simultaneously.

-4902 The memory limit was exceeded.

Explanation: The SQL statement could not run because of a memory allocation failure.

User response: Try increasing the value of the global configuration parameter MESSAGEPOOLSIZE or the REGION parameter in the data server JCL. If this does not resolve the problem, contact IBM Software Support.

-4903 The SQL statement is unsupported.

User response: This error is returned when:

- An attempt was made in CA-IDMS or IMS to update a parent when the mapping includes the child and parent. To resolve this, change the mapping to specify that the segment updated is the lowest-level leaf segment.
- An attempt is made to update a table containing record array mappings of OCCURES clauses. Change the mapping to specify that each occurrence is a separate column.
- The SQL statement is unsupported. Change the SQL.

-4904 The SQL function or expression is not supported.

Explanation: An unsupported SQL function or expression was passed to the query processor. One of the following unsupported expressions was passed:

- A date or time duration.
- A date or time scalar function.
- The VARGRAPHIC scalar function.
- An unsupported special register.

User response: Correct the SQL statement.

-4905 An internal processing error occurred.

Explanation: An unexpected processing error occurred in the query processor.

User response: Contact IBM Software Support.

-4906 The conversion is not valid.

Explanation: An unexpected processing error occurred in the Query Processor when attempting to convert an SQL data type.

User response: Contact IBM Software Support.

-4907 An internal catalog error occurred while reading or updating the system catalog.

Explanation: An unexpected processing error occurred while reading or updating the system catalog.

User response: Contact IBM Software Support.

-4908 The mapped data is not valid.

Explanation: The data from a mapped table is inconsistent with the mapped definition. Possible inconsistencies include:

- A zoned decimal field contains incorrect characters.
- A varchar field contains a length value that exceeds its maximum declared size.
- An occurs depending-on column is negative or exceeds the declaration of the maximum number of occurrences.

User response: Verify the mapping of the table.

-4909 A DDLEX mapping error occurred.

Explanation: An error occurred in mapping a catalog object using DDLEX.

User response: Contact IBM Software Support.

-4910 An error occurred during a connector update that required a backout of the current transaction.

Explanation: An error occurred in update processing that required backing out the current transaction to rollback partial updates that were made to a connector. All changes that were made by previous successful updates within the transaction were rolled back.

User response: Review the data server log to determine the initial error that was detected and resulted in the -4910 error and transaction rollback. Correct the SQL as necessary.

-4911 The statement processing was cancelled.

User response: No action is required.

General messages (0x0000nnnn)

General messages that are issued when processing an SQL statement.

0x00000000 (0) This is an informational message.

Explanation: An informational message is followed by an IBM message. The IBM message is always displayed in U.S. English.

User response: No action is required.

0x00000001 (1) This is the start of IBM functions.

File processing (0x0002nnnn)

Errors related to file processing in the Classic virtual host services layer.

0x00020000 (131072) The functionality or feature is not yet implemented.

User response: Contact your system administrator to determine if the function is supported.

0x00020001 (131073) The file did not close.

User response: See the related error messages for more information.

0x00020002 (131074) The end of the file was reached.

User response: No action is required.

0x00020003 (131075) The file is open.

User response: No action is required.

0x00020004 (131076) The operation is not allowed on a protected file.

User response: No action is required.

0x00020005 (131077) The file does not exist.

User response: See the related messages for more information.

0x00020006 (131078) A pointer cannot be positioned outside of a file.

Explanation: This is an internal error.

User response: See the related messages for more information.

0x00020007 (131079) The file cannot open.

User response: See the related messages for more information.

0x00020008 (131080) The file was not read.

User response: No action is required.

100 The normal end of data was reached.

Explanation: No more data exists. This is a normal return code.

User response: No action is required.

User response: Verify that the NL CAT keyword is in the data server configuration file and that the correct language catalog is present and not empty.

0x00020009 (131081) The data server log file could not be written to.

User response: Verify that the log file is present and has write permission.

0x0002000A (131082) The VIRTUAL file operation is not supported

User response: See the related messages for more information.

0x0002000B (131083) The string operation failed.

Explanation: The operation to get a string from a file failed.

User response: See the related messages for more information.

0x0002000C (131084) An unexpected error condition occurred when writing a message to either the error or the messages file.

User response: See the related messages for more information.

0x0002000D (131085) The current file position was not retrieved.

User response: See related messages for more information.

0x0002000E (131086) Positioning to a location within a file failed.

User response: See related messages for more information.

0x0002000F (131087) Flushing the file buffers stopped.

Explanation: The operation to force file I/O buffers to be written to a disk failed.

User response: See related messages for more information.

0x00020010 (131088) An error occurred when trying to read a character from a file.

User response: Verify that the input data sets are valid.

0x00020011 (131089) The operation to retrieve information via DS for a file failed.

User response: See related messages for more information.

Query processor (0x000bnnnn)

Internal query and RRS processing errors.

0x000B0003 (720899) The query processor could not process the statement.

Explanation: The query processor (QP) service encountered an internal error that prevented it from processing the statement. The statement was ignored. Processing will continue with the next statement.

User response: Determine whether the statement is valid. Record the statement that caused the error, then contact IBM Software Support.

0x000B000C (720908) The query processor received an unexpected message type.

Explanation: The client request is not recognized by the server. The request was ignored.

User response: Contact IBM Software Support.

0x000B000E (720910) The query processor received a request for an unsupported function.

Explanation: The client requested a function of the query processor service that was not implemented.

User response: Contact IBM Software Support.

0x000B0010 (720912) An entry with this session ID was not found.

Explanation: An internal error corrupted the session identifier for the query processor (QP) service.

User response: Contact IBM Software Support.

0x000B0013 (720915) The data type that is specified in an SQLDA is unknown.

0x00020012 (131090) The operation to retrieve information via DD for a file failed.

User response: See related messages for more information.

0x00020013 (131091) The information could not be accessed for the file.

User response: See related messages for more information.

0x00020014 (131092) The unget operation failed.

User response: See related messages for more information.

User response: See related messages for more information.

0x000B0016 (720918) The query processor memory limit was exceeded.

Explanation: The internal memory limits were exceeded.

User response: Break the select statement into multiple statements that each return a subset of the desired data.

0x000B001B (720923) The SAS/C LOCALE initialization could not be completed.

User response: Contact IBM Software Support.

0x000B0024 (720932) The SQLDA is too small.

Explanation: This is an internal error.

User response: Increase the client fetch buffer size. If that does not resolve your problem contact IBM Software Support.

0x000B0040 (720960) An RRS interface cannot be loaded.

User response: Contact IBM Software Support.

0x000B0041 (720961) The RRS begin context call could not be completed.

User response: Contact IBM Software Support.

0x000B0042 (720962) • 0x0013000C (1245196)

0x000B0042 (720962) The RRS set context call could not be completed.

User response: Contact IBM Software Support.

0x000B0043 (720963) The RRS express UR interest call could not be completed.

User response: Contact IBM Software Support.

0x000B0044 (720964) The RRS set syncpoint control call could not be completed.

User response: Contact IBM Software Support.

0x000B0045 (720965) The RRS prepare-to-commit-agent call could not be completed.

User response: Contact IBM Software Support.

0x000B0046 (720966) The RRS commit call could not be completed.

User response: Contact IBM Software Support.

0x000B0047 (720967) The RRS commit agent call could not be completed.

User response: Contact IBM Software Support.

0x000B0048 (720968) The RRS end context call could not be completed.

User response: Contact IBM Software Support.

0x000B0049 (720969) The RRS rollback call could not be completed.

User response: Contact IBM Software Support.

0x000B004A (720970) The RRS rollback agent call could not be completed.

User response: Contact IBM Software Support.

JDBC driver (0x0013nnnn)

Errors related to the JDBC client driver.

0x00130002 (1245186) JDBC encountered an error while performing a send operation.

User response: Contact IBM Software Support.

0x00130003 (1245187) JDBC encountered an error while performing a receive operation.

User response: Contact IBM Software Support.

0x00130004 (1245188) The JDBC connection failed.

Explanation: Either the data server is not running, or the data server cannot connect to the data source.

User response: Ensure that the data source is running and check the communication configuration.

0x00130005 (1245189) The client session was not accepted.

User response: Check the data source name that is defined on the data server, correct it if necessary, and try again. Determine whether the limit on users and threads on the data server was reached.

0x00130007 (1245191) JDBS encountered an error while binding a connection to a data source.

User response: Check the data source name that is defined on the data server and try again. Determine whether the limit on users and threads on the data server was reached.

0x00130008 (1245192) An incorrect URL was passed to the JDBC driver.

Explanation: The URL that was passed to the JDBC client was incorrect.

User response: Specify the correct URL and resubmit it.

0x00130009 (1245193) The parameter markers could not be processed.

User response: Contact IBM Software Support.

0x0013000A (1245194) No more JDBC cursors are allowed.

User response: Too many cursors are open. Close some of the cursors.

0x0013000B (1245195) The disconnect failed.

User response: Contact IBM Software Support.

0x0013000C (1245196) The code page that is specified might not be supported by the Java Runtime Environment (JRE).

User response: Please check your JRE documentation for information about the code pages that are supported.

0x0013000D (1245197) An incorrect code page is being used, or there is at least one character in the data that does not have an equivalent in the server code page.

User response: Check the code page and ensure that the characters are equivalent in the server code page.

0x0013000E (1245198) An incorrect code page is being used, or there is at least one character in the data that does not have an equivalent in Unicode.

User response: Check the code page and ensure that the characters are equivalent.

0x0013000F (1245199) The code page characters do not match.

Explanation: An incorrect code page is being used, or there is at least one character in the data that does not have an equivalent in the server code page.

User response: Check the code page and ensure that the characters are equivalent.

0x00130010 (1245200) The code page characters do not match.

Explanation: An incorrect code page is being used, or there is at least one character in the data that does not have an equivalent in Unicode.

User response: Check the code page and ensure that the characters are equivalent.

0x00130012 (1245202) Response timeout.

Explanation: This error occurs when the response timeout interval for a client elapses without a response from the server. The client terminates the connection.

User response: Try increasing the value of the response timeout for the client. If you cannot resolve the problem, contact IBM Software Support.

0x00130015 (1245205) The JDBC driver encountered an internal error.

User response: Contact IBM Software Support.

0x00130016 (1245206) A feature or method was not implemented.

User response: Try to take advantage of alternative features or methods. If there are not alternatives and you strictly require this feature or method contact IBM Software Support for an enhancement request.

0x00130017 (1245207) Cannot convert from *source-data-type* to *target-data-type*.

Explanation: A column or host variable was bound using an invalid type combination.

User response: Reissue the request using a valid data type combination.

0x00130018 (1245208) Invalid hexadecimal character string.

Explanation: A hexadecimal character string cannot be converted into a binary value because it is invalid by either having an odd number of characters or invalid hexadecimal characters.

User response: Correct the value and reissue the statement.

0x00130100 (1245440) The driver does not support binary columns or functions.

Explanation: The query is returning binary data in one or more columns. The driver does not support this feature.

User response: Do not use a query that returns binary data.

SQL data handling (0x002fnnnn)

Messages related to SQL bad data handling.

0x002f0001 A data validation error occurred on one or more columns. Original row data follows.

Explanation: A data validation error occurred while processing data for one or more columns in the specified source table. The data found for the column is not consistent with the column's internal DATATYPE specification.

Possible causes for the inconsistency include the following:

- Invalid data exists in the source database or file.
- Errors exist in the mapped table.

A formatted dump of all columns in the affected row follows this message. The output includes the source data that caused the validation error in hexadecimal format.

This message is displayed if you configured the data server to repair data errors and report the repair in the system log. You configure this by setting either the DATAVALIDATEAC=2 or CSDATAVALIDATEAC=2 parameters in the configuration for the data server.

User response: This is an informational message indicating that a validation error occurred and data was repaired, consistent with the server configuration settings. If invalid data at the source is the problem, modify the source data. If the problem is with the table mapping, modify the USE AS data type for the column.

0x002f0002 (3080194) Invalid data has been detected on column *column-name* containing data *x' hex-data'*.

Explanation: The server is configured with the

DATAVALIDATEACT or DATACONVERRACT parameters set to a value of 1 or 2. This configuration issues a warning message message back to the client for each for each column of each row that is changed to a value of -99..999s.

User response: Examine the column and data identified in the message to identify the invalid data. To see detailed messages identifying the specific columns in error, set the DATAVALIDATEACT or DATACONVERRACT parameter in the GLOBAL area to a value of 2 or 5 and correct the data if applicable. See the product documentation for further descriptions of these settings.

0x002f0003 (3080195) Invalid data has been detected on table *table-name*.

Explanation: The server is configured with the DATAVALIDATEACT or DATACONVERRACT parameters set to a value of 4 or 5. This configuration only sends one SUCCESS WITH INFO message back to the client for each query identifying the creator.table with the invalid data.

User response: Examine the creator.table identified in the message to identify the table that contains invalid data. To see detailed messages identifying the specific columns in error of that table, set the DATAVALIDATEACT or DATACONVERRACT parameter in the GLOBAL area to a value of 2 or 5 and correct the data if applicable. See the product documentation for further descriptions of these settings. If you do not need to take an action, or if it is generally expected that those warnings will reoccur, set the DATAVALIDATEACT or DATACONVERRACT back to a value of 4 or 5 to increase query performance.

AIX (0x0040nnnn)

Errors related to components running on AIX.

0x0040004E (4194382) The memory was not allocated.

User response: Increase the MESSAGE POOL SIZE.

User response: Contact IBM Software Support.

0x0040004F (4194383) The user ID could not be located.

B-tree (0x0042nnnn)

Errors in processing internal b-trees.

0x00420009 (4325385) B-tree read-block error.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0042000A (4325386) The B-tree key was not found.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0042000B (4325387) B-tree write block error.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0042000C (4325388) B-tree new block write error.

User response: Increase the LD TEMP SPACE size.

0x0042000D (4325389) B-tree node split error.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0042000E (4325390) B-tree key insertion error.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0042000F (4325391) B-tree block size exceeded error.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00420010 (4325392) B-tree initialization error.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00420011 (4325393) The B-tree file is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00420012 (4325394) B-tree file open error.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00420013 (4325395) B-tree file write error.

Explanation: The LD TEMP SPACE might have been exhausted.

User response: Free some of the space.

0x00420014 (4325396) B-tree file read error.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00420015 (4325397) An error condition was raised while positioning within a file.

Explanation: Positioning to a specific location within a file failed. This is an internal error.

User response: Contact your administrator to report the error condition.

0x00420016 (4325398) A B-Tree file flush error occurred.

Explanation: Buffered B-tree data could not be written to a file.

User response: Contact your system administrator to report the error condition.

0x00420017 (4325399) B-tree file-close error.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Query processor (0x0049nnnn)

Errors related to the internal finite state machine of the query processor.

0x00490009 (4784137) The finite state machine encountered a state error.

User response: Contact IBM Software Support.

Explanation: This is an internal error.

User exit processing errors (0x004dnnnn)

Errors related to calling user exits in Classic federation processing, such as SAF, WLM, and VSAM record exit.

0x004D0002 (5046274) The system exit failed to load.

User response: Contact IBM Software Support.

user ID has insufficient access rights to a required resource profile.

User response: Review the SAFEXIT parameter in the configuration for the query processor service (CACQP), administration service (CECPAA), and monitoring service (CECMAA). Ensure that VALIDATE=Y. Verify that the connected user has sufficient access rights to the appropriate resource profile based on the SAFEXIT settings for each service. The Classic documentation for the SAFEXIT parameter describes the system resources and access levels that the SAF exit verifies.

0x004D0005 (5046277) The memory was not allocated.

User response: Increase the MESSAGE POOL SIZE in the configuration file of the data server.

0x004D0007 (5046279) The system exit environment is corrupt.

Explanation: User-exit error checking found a problem in the environment.

User response: Contact IBM Software Support.

0x004D0015 (5046293) The WLM call failed.

Explanation: A WLM call that was issued by the WLM Exit failed.

User response: Review the data server's JES JCL log for the return code and reason codes that were returned on the call.

0x004D0008 (5046280) The exit name is missing or not valid.

User response: Contact IBM Software Support.

0x004D0016 (5046294) The PSB name plus prefix could not be RACF verified.

Explanation: The PSB Name plus the prefix exceeds 8 bytes. RACF[®] authorization cannot be performed.

User response: Change the PSB name or prefix to decrease the bytes.

0x004D000F (5046287) The specified keyword is not valid.

Explanation: An exit-parameter keyword is not valid.

User response: Contact IBM Software Support.

0x004D0010 (5046288) An exit-parameter keyword is missing.

User response: Contact IBM Software Support.

0x004D0017 (5046295) The stored procedure is not accessible.

Explanation: The SAF Exit is active with the subparameter, SPCLASS. The user ID is either not valid or not allowed to run the stored procedure. The stored procedure might not be defined in the class that is specified for SPCLASS. The query was not processed.

User response: Contact IBM Software Support.

0x004D0013 (5046291) The CPU time was exceeded.

Explanation: The CPU Resource Governor Exit is active. The query exceeded the time limit that was set on the CPU GOVERNOR configuration parameter. Processing of the query is terminated.

User response: Contact IBM Software Support.

0x004D0018 (5046296) The DB2 thread-management exit failed to load.

User response: Check the server log for the name of the stopped exit, and verify that the module exists in a library that is concatenated to the server STEPLIB. This name should match the name in field 10 of the service

0x004D0014 (5046292) The connected user ID has insufficient authority to perform a server operation.

Explanation: The SAF Exit is active. The connected

information entry for the DB2 CAF service.

0x004D0019 (5046297) The DB2 thread management exit returned a nonzero return code.

Explanation: A call to the DB2 Thread Management Exit program returned a nonzero return code, which indicates an exit-specific problem.

User response: Check the server log for the actual return code that was issued by the exit. The return codes for the delivered sample are documented in the CACSX07 source code that is found in the SCACSAMP library. The name of the exit can be found in field 10 of the service information entry for the DB2 CAF service.

0x004D001A (5046298) The call to the Record Exit failed.

User response: See the information about the Record Processing exit in the *IBM WebSphere Classic Federation Server for z/OS Guide and Reference* for a more complete description of the return code values.

0x004D001B (5046299) The language-environment program failed to load.

Explanation: The load of the program on field 10 of the service information entry for the language initialization service stopped.

User response: Contact IBM Software Support.

0x004D001C (5046300) The user record-exit program failed to load.

User response: Ensure that the name that is specified on the RECORD EXIT option of the USE TABLE statement for the table is correct and in the library load chain.

0x004D001D (5046301) User record exit has written past the end of the output buffer.

Explanation: The size of the output record area is too small, or the exit wrote past the end of the area.

User response: Increase the MAXLENGTH parameter of the USE TABLE statement for the table that is in the metadata utility.

Query processor control (0x0055nnnn)

Errors related to query processing control (for example, MAX_ROWS_EXAMINED and MAX_ROWS_RETURNED).

0x00550052 (5570642) The MAX ROWS EXAMINED reached the governor limit.

Explanation: The MAX ROWS EXAMINED reached the governor limit, and the query stopped.

User response: If the query that caused the error was not a runaway query, increase the MAX ROWS EXAMINED configuration parameter, and resubmit the query. The MAX ROWS EXCEEDED ACTION parameter can also assist in determining if the query acted properly.

By setting the MAX ROWS EXCEEDED ACTION parameter to RETURN, the query stops when it reaches the MAX ROWS EXAMINED governor limit, and the result set output returns normally. The query can then be inspected to determine if it operated correctly, and to determine if the MAX ROWS EXAMINED governor limit value was too small.

User response: If the query that caused the error was not a runaway query, increase the MAX ROWS RETURNED configuration parameter, and resubmit the query. The MAX ROWS EXCEEDED ACTION parameter can also assist in determining if the query acted properly.

By setting the MAX ROWS EXCEEDED ACTION parameter to RETURN, the query stops when it reaches the MAX ROWS RETURNED governor limit, and the result set output returns normally. The query can then be inspected to determine if it acted correctly and if the MAX ROWS RETURNED governor limit value was too small.

0x00550053 (5570643) The MAX ROWS RETURNED governor limit was reached.

Explanation: The MAX ROWS RETURNED governor limit was reached, and the query was halted.

0x00550070 (5570672) The query was cancelled by an operator command.

User response: Contact IBM Software Support.

0x00550077 (5570679) The query was interrupted.

User response: Contact IBM Software Support.

CLI and ODBC clients (0x0056nnnn)

Errors in the CLI and ODBC clients.

0x00560001 (5636097) The stored procedure output or input-output parameter did not return a value for parameter number: *parameter-number*.

Explanation: A parameter to a stored procedure is bound as OUTPUT or as INPUT/OUTPUT, but the stored procedure defines the parameter as INPUT.

sqlstate: 01000

User response: Bind the parameter correctly as INPUT.

0x00560002 (5636098) SQLEndTran failed on one or more connections.

Explanation: This is a data server error that is related to the data source.

sqlstate: 01000

User response: Obtain data server diagnostics to troubleshoot this problem.

0x00560003 (5636099) The first of multiple unique indexes was selected.

Explanation: Because multiple unique indexes exist, the index that was selected for the operation was chosen at random.

sqlstate: 01000

User response: No action is required.

0x00560010 (5636112) The right portion of the string was truncated.

Explanation: The right portion of the string was truncated.

sqlstate: 01004, 22001

User response: Supply a larger character buffer to prevent truncation.

0x00560011 (5636113) The option value changed.

Explanation: An option to SQLSetStmntAttr was changed to the supported value.

sqlstate: 01S02

User response: No action is required.

0x00560012 (5636114) A fraction or decimal value was truncated during the conversion.

Explanation: A fraction or decimal value was truncated during conversion.

sqlstate: 01S07

User response: Use the correct C data type to prevent loss of data.

0x00560013 (5636115) The COUNT field is incorrect.

Explanation: sqlstate: 07002

User response: Ensure that the number of parameters are set correctly for a statement before you call SQLExecute.

0x00560014 (5636116) The statement did not return a result set.

Explanation: SQLDescribeParam returns errors for statements that do not produce a result set.

sqlstate: 07005

User response: No action is required.

0x00560015 (5636117) The descriptor index is not valid.

Explanation: A SQLBindCol or a SQLGetDescField was attempted on a descriptor index that was not valid.

sqlstate: 07009

User response: Check the index and attempt the API again.

0x00560016 (5636118) The session was rejected.

Explanation: Either the data source is not defined on the server as a service, or an authentication failure caused a rejected session.

sqlstate: 08001

User response: No action is required.

0x00560017 (5636119) A connection was attempted on a handle that is already connected.

Explanation: A connection was attempted on a handle that is already connected.

sqlstate: 08002

User response: No action is required.

0x00560018 (5636120) A connection does not exist.

Explanation: A connection does not exist.

sqlstate: 08003

User response: Obtain a connection before attempting the API.

0x00560019 (5636121) The server ended the connection.

Explanation: The connection handler failed to receive data. The data server ended the connection.

sqlstate: 08S01

User response: No action is required.

0x00560020 (5636128) An indicator variable is required, but not supplied.

Explanation: An indicator variable is required because the column is nullable, but the indicator variable was not supplied as a part of the SQLBindParameter or a SQLBindCol API.

sqlstate: 22002

User response: Supply an indicator variable.

0x00560021 (5636129) The numeric value is out of range.

Explanation: SQL_DECIMAL, SQL_FLOAT, SQL_INTEGER, or SQL_DOUBLE value is out of range when attempting to convert the SQLVAR to a descriptor.

sqlstate: 22003

User response: Ensure that the value is in range.

0x00560022 (5636130) A conversion was attempted between data types that are not compatible.

Explanation: A conversion was attempted between data types that are not compatible.

sqlstate: 22018

User response: Specify compatible data types and try again.

0x00560023 (5636131) The state of the cursor is incorrect.

Explanation: The state of the cursor is incorrect. SQLExecute was called on a statement that is already in EXECUTE state. SQLFetch was called on a statement that has not been prepared or opened.

sqlstate: 24000

User response: Correct the state of the cursor.

0x00560024 (5636132) The autocommit operation was not completed.

Explanation: The autocommit operation was not completed.

sqlstate: 24000

User response: Obtain data server diagnostics to troubleshoot this problem.

0x00560025 (5636133) SQLDisconnect cannot be issued because transactions are outstanding on some statements that are defined on the connection handle.

Explanation: SQLDisconnect cannot be issued because transactions are outstanding on some statements that are defined on the connection handle.

sqlstate: 25000

User response: Check for any outstanding transactions and retry.

0x00560026 (5636134) The cursor name length is not valid.

Explanation: SQLSetCursorName failed because the cursor name length is not valid. The allowable length of the cursor name is between one and thirty bytes. A cursor name cannot start with the value SQLCUR. The prefix SQLCUR is reserved for cursors that the ODBC/CLI driver software generates.

sqlstate: 34000

User response: Correct the cursor name length.

0x00560027 (5636135) A duplicate cursor name exists.

Explanation: SQLSetCursorName was called with a cursor name that already exists.

sqlstate: 3C000

User response: Provide a unique cursor name.

0x00560030 (5636144) Please look up SQLCODE: SQLCODE. SQL-Error-Message.

Explanation: sqlstate: HY000

User response: Find the SQLCODE that is shown in this message for more information about the error condition. Refer to the SQLCODE listings either in this manual or the *IBM DB2 Message Reference, Volume 2*.

0x00560031 (5636145) The environment initialization stopped.

Explanation: The possible causes of this error are:

- The CAC_CONFIG environment variable is not defined for CLI on UNIX platforms.
- The registry entries for the ODBC driver that were created through the ODBC Administrator program are corrupt.
- The PATH variable is not correctly defined to include all of the shared libraries.
- The SHLIB_PATH (HP-UX), LD_LIBRARY_PATH (Solaris operating environment), or LIBPATH (AIX) variable is not correctly defined and exported.

0x00560032 (5636146) • 0x0056003D (5636157)

- The message catalog is not accessible. Either the message catalog does not exist, or the message catalog does not have the correct permissions.

sqlstate: HY000

User response: Determine the cause of the error and contact IBM Software Support.

0x00560032 (5636146) This message is not defined in the message catalog.

Explanation: This message does not exist in the message catalog.

sqlstate: Not applicable

User response: Contact IBM Software Support.

0x00560033 (5636147) The stored procedure issued a nonzero return code.

Explanation: This is a stored procedure error.

sqlstate: HY000

User response: Check the stored procedure definition, the stored procedure declaration, or both the definition and the declaration.

0x00560034 (5636148) The configuration file could not be located.

Explanation: The configuration file, as defined by the environment variable CAC_CONFIG is not accessible.

sqlstate: HY000

User response: No action is required.

0x00560035 (5636149) The connection dialog was cancelled.

Explanation: The dialog that was created by SQLDriverConnect was cancelled.

sqlstate: HY000

User response: No action is required.

0x00560036 (5636150) An incorrect response was received from the server.

Explanation: An incorrect response was received from the data server.

sqlstate: HY000

User response: Check the server error code for details. The client and server application versions might not match.

0x00560037 (5636151) The data source is unavailable or not defined: Datasource-URL.

Explanation: The data source is not defined or not reachable.

sqlstate: HY000

User response: Define the data source.

0x00560038 (5636152) SQLEndTran stopped on all connections.

Explanation: An SQLEndTran failed.

sqlstate: HY000

User response: Check the data server for errors.

0x00560039 (5636153) The parameter descriptor was not found.

Explanation: This is an internal error.

sqlstate: HY000

User response: Contact IBM Software Support.

0x0056003A (5636154) The buffer that was allocated to obtain the requested SQLGetTypeInfo information is too small.

User response: Allocate a larger buffer and call the API.

sqlstate: HY000

0x0056003B (5636155) The session handle could not be obtained.

Explanation: This is an internal error.

sqlstate: HY000

User response: Contact IBM Software Support.

0x0056003C (5636156) Message corruption was detected.

Explanation: This is an internal error.

sqlstate: HY000

User response: Contact IBM Software Support.

0x0056003D (5636157) No result set description was returned.

Explanation: This is an internal error.

sqlstate: HY000

User response: Contact IBM Software Support.

0x0056003E (5636158) An unknown SQL data type was received from server: SQL-Type-Code.

Explanation: This is an internal error.

sqlstate: HY000

User response: Contact IBM Software Support.

0x0056003F (5636159) An unknown SQL statement type. SQL-Statement-Type.

Explanation: This is an internal error.

sqlstate: HY000

User response: Contact IBM Software Support.

0x00560050 (5636176) Memory allocation stopped.

Explanation: sqlstate: HY001

User response: Increase the size of the message pool that is defined for the ODBC/CLI client. To increase the size of the message pool, use the parameter MESSAGE_POOL_SIZE.

0x00560051 (5636177) The application buffer type is not valid.

Explanation: An SQLBindCol was attempted on an unsupported C or application type.

sqlstate: HY003

User response: No action is required.

0x00560052 (5636178) SQLBindCol was attempted with an unsupported SQL data type.

Explanation: sqlstate: HY004

User response: No action is required.

0x00560053 (5636179) The statement is not prepared.

Explanation: An attempt was made to access a descriptor that the statement was not prepared for.

sqlstate: HY007

User response: No action is required.

0x00560054 (5636180) The operation was cancelled.

Explanation: The operation on the statement was cancelled.

sqlstate: HY008

User response: No action is required.

0x00560055 (5636181) The data pointer that was supplied to the API is NULL, but the driver expects a valid pointer.

Explanation: sqlstate: HY009

User response: No action is required.

0x00560056 (5636182) Function sequence error.

Explanation: A function sequence error occurred.

sqlstate: HY010

User response: Ensure that the sequence of the ODBC calls is valid.

0x00560057 (5636183) The statement is running.

Explanation: An SQLDisconnect operation was attempted on a connection in which statements are in use. The state of the statements does not allow a disconnect.

sqlstate: HY010

User response: No action is required.

0x00560058 (5636184) An SQLDisconnect operation was attempted on a connection where statements are in use.

Explanation: sqlstate: HY010

User response: Free the statements before you attempt a disconnect operation.

0x00560059 (5636185) An SQLDisconnect operation was attempted on a connection when the descriptors that were defined on this connection were in use.

Explanation: sqlstate: HY010

User response: Free the descriptors before you attempt a disconnect operation.

0x0056005A (5636186) No result-set row position exists.

Explanation: A ResultSet operation was attempted on a cursor that has no result set.

sqlstate: HY010

User response: No action is required.

0x0056005B (5636187) An SQLEndTran operation was passed an incorrect operation code.

Explanation: Valid operations are SQL_COMMIT or SQL_ROLLBACK.

sqlstate: HY012

0x0056005C (5636188) • 0x00560073 (5636211)

User response: Correct the application to pass the correct values.

0x0056005C (5636188) Memory management error.

Explanation: This is an internal error.

sqlstate: HY013

User response: Contact IBM Software Support.

0x0056005D (5636189) An environment lock could not be obtained.

Explanation: This is an internal error.

sqlstate: HY013

User response: Contact IBM Software Support.

0x0056005E (5636190) The statement is in use and locked.

Explanation: An attempt to obtain a lock on the statement failed. The application can reattempt to obtain a lock after it waits for a period of time. The statement was locked by one of the other threads in the application.

sqlstate: HY013

User response: Wait and then reattempt to obtain the lock.

0x0056005F (5636191) An implementation row descriptor could not be modified.

Explanation: The DescriptorHandle argument was associated with an IRD for a SQLSetDescRec or a SQLSetDescField call.

sqlstate: HY016

User response: No action is required.

0x00560060 (5636192) An automatically allocated descriptor handle was used incorrectly.

Explanation: An SQLFreeHandle operation was attempted on a descriptor handle that was automatically allocated.

sqlstate: HY017

User response: No action is required.

0x00560061 (5636193) Non-character data was sent in pieces.

Explanation: If an SQLPutData was called for a non-character field, then subsequent SQLPutData operations for the same field are incorrect.

sqlstate: HY019

User response: No action is required.

0x00560062 (5636194) A Descriptor API was called when the descriptor was in an inconsistent state.

Explanation: sqlstate: HY021

User response: No action is required.

0x00560063 (5636195) An attempt was made to get or set an incorrect attribute on a valid handle.

Explanation: sqlstate: HY024

User response: No action is required.

0x00560064 (5636196) The information type is out of range.

Explanation: An attempt was made to set an incorrect value for an attribute on a valid handle.

sqlstate: HY024

User response: Correct the value.

0x00560070 (5636208) An incorrect length for CHAR or VARCHAR parameter was specified.

Explanation: An incorrect length was specified for the CHAR or VARCHAR parameter.

sqlstate: HY090

User response: Pass SQL_NTS or the correct length of the CHAR or VARCHAR parameter.

0x00560071 (5636209) An incorrect length for a LONG VARCHAR parameter was specified.

Explanation: sqlstate: HY090

User response: Pass SQL_NTS or the correct length of the parameter.

0x00560072 (5636210) The SQL statement length is incorrect.

Explanation: An incorrect value was specified for the SQL statement that was passed to the SQLPrepare API.

sqlstate: HY090

User response: No action is required.

0x00560073 (5636211) The data source name is null.

Explanation: The data source name that was passed is null.

sqlstate: HY090

User response: Correct the data source name.

0x00560074 (5636212) An incorrect string or buffer length was specified.

Explanation: An incorrect length was specified for the output buffer length.

sqlstate: HY090

User response: Specify a valid length.

0x00560075 (5636213) An incorrect TableType parameter was specified.

Explanation: An incorrect table type was passed to the SQLTable API.

sqlstate: HY090

User response: Correct the table type.

0x00560076 (5636214) An incorrect SchemaName parameter was specified.

Explanation: An incorrect schema was passed to the SQLTable API.

sqlstate: HY090

User response: Correct the schema.

0x00560077 (5636215) An incorrect TableName parameter was specified.

Explanation: An incorrect table name was passed to the SQLTables API.

sqlstate: HY090

User response: Correct the table name.

0x00560078 (5636216) An incorrect ColumnName parameter was specified.

Explanation: An incorrect column name was passed to the SQLColumn API or to the SQLProcedureColumn API.

sqlstate: HY090

User response: Correct the column name.

0x00560079 (5636217) An incorrect ProcName parameter was specified.

Explanation: An incorrect procedure name was passed to the SQLProcedure API or to the SQLProcedureColumn API.

sqlstate: HY090

User response: Correct the procedure name.

0x00560080 (5636224) An incorrect descriptor field identifier was specified.

Explanation: The descriptor field identifier value was incorrect, or the value was incorrect for the type of descriptor that was passed to the SQLGetDescField API.

sqlstate: HY091

User response: Correct the descriptor field identifier or the type of descriptor.

0x00560081 (5636225) An incorrect attribute or option identifier was passed.

Explanation: An incorrect attribute or option was passed to the Get or Set calls on the ODBC handles.

sqlstate: HY092

User response: Correct the attribute or option.

0x00560082 (5636226) An incorrect window handle was passed.

Explanation: An incorrect window handle was passed to the SQLDriverConnect API. This is an application error.

sqlstate: HY092

User response: Correct the window handle.

0x00560083 (5636227) The function type is out of range.

Explanation: An incorrect function type was passed to the SQLFunction call that returns TRUE or FALSE, depending on the function type that was passed to the call.

sqlstate: HY095

User response: Correct the function type.

0x00560084 (5636228) The column type is out of range.

Explanation: An SQLSpecialColumns API returns this error when the Identifier type is not the SQL_BEST_ROWID or SQL_ROWVER.

sqlstate: HY097

User response: No action is required.

0x00560085 (5636229) The scope type is out of range.

Explanation: An SQLSpecialColumns API returns this error when the scope is not SQL_SCOPE_CURROW or SQL_SCOPE_TRANSACTION.

sqlstate: HY098

User response: No action is required.

0x00560086 (5636230) **Nullable type is out of range.**

Explanation: An SQLSpecialColumns API returns this error when the nullable type is incorrect.

sqlstate: HY099

User response: No action is required.

0x00560087 (5636231) **The uniqueness option type is out of range.**

Explanation: An SQLSpecialColumns API returns this error when the uniqueness option type is incorrect.

sqlstate: HY100

User response: Correct the uniqueness option type.

0x00560088 (5636232) **The accuracy option type is out of range.**

Explanation: An SQLSpecialColumns API returns this error when the accuracy option type is incorrect.

sqlstate: HY101

User response: Correct the accuracy option type.

0x00560089 (5636233) **An incorrect retrieval code was returned.**

Explanation: An SQLDataSource API returns error when the retrieval code is not SQL_FETCH_FIRST or SQL_FETCH_NEXT.

sqlstate: HY103

User response: Correct the retrieval code.

0x0056008A (5636234) **An incorrect precision or scale was passed.**

Explanation: An SQLBindParameter was passed an incorrect precision or scale.

sqlstate: HY104

User response: Correct the precision or scale.

0x0056008B (5636235) **An incorrect parameter type was passed.**

Explanation: SQLBindParameter was passed an incorrect parameter type. Parameter types can only be SQL_PARAM_INPUT, SQL_PARAM_OUTPUT, or SQL_PARAM_INPUT_OUTPUT.

sqlstate: HY105

User response: Correct the parameter type.

0x0056008C (5636236) **The fetch type is out of range.**

Explanation: SQLFetchScroll does not support the type of fetch orientation that was passed.

sqlstate: HY106

User response: No action is required.

0x0056008D (5636237) **An incorrect driver completion was passed.**

Explanation: An incorrect parameter for the completion type was passed to SQLDriverConnect

sqlstate: HY110

User response: Correct the parameter.

0x0056008E (5636238) **An optional feature was not implemented.**

Explanation: The feature was not implemented for the API, or the API was not implemented.

sqlstate: HYC00

User response: Implement the feature for the API.

0x0056008F (5636239) **The connection timeout expired.**

Explanation: The API timed out.

sqlstate: HYT00, HYT01

User response: Change the timeout value and try to make the connection again.

0x00560090 (5636240) **The protocol string is missing.**

Explanation: The connection string was not specified correctly.

sqlstate: IM002

User response: Specify the connection string correctly.

0x00560091 (5636241) **No data source or driver was specified; the dialog is prohibited.**

Explanation: The SQLDriverConnect call cannot be completed because more information is required for the connection to be completely defined.

sqlstate: IM007

User response: Provide more information.

0x00560092 (5636242) **The dialog stopped.**

Explanation: The SQLDriverConnect cannot create the dialog.

sqlstate: IM008

User response: Contact IBM Software Support.

0x00560093 (5636243) The statement cannot be used with parameter arrays.

Explanation: The statement attributes indicate use of parameter arrays for input parameters for a statement that is not for insert, update, or delete. The driver does not support this type of statement.

sqlstate: HY000

User response: Modify the calling application to remove the parameter arrays for the respective statement.

0x00560094 (5636244) The ODBC/CLI driver encountered an internal error.

Explanation: This is an error message describing an internal error.

sqlstate: HY000

User response: Contact IBM Software Support.

0x00560095 (5636245) A column was bound for a binary fetch using an unsupported data type mapping.

Explanation: A column was bound for a binary fetch using an unsupported data type mapping. The only supported column data types for binary fetches are fixed length character mappings.

sqlstate: HY000

User response: Remap the table using a fixed length character type for the desired column. If this message is issued by DataStage make sure that the column name only contains the RAW prefix for fixed length character columns and only if you wish to treat this data as binary.

0x00560096 (5636246) Invalid conversion.

Explanation: The conversion between the application data type and SQL data type is not supported by the driver.

sqlstate: 07006

User response: Respecify a data conversion which is supported by the driver.

Metadata catalog (0x0057nnnn)

Errors related to processing the internal metadata catalog.

0x00570001 (5701633) An attempt to allocate memory failed.

Explanation: The memory allocation failed. The data server needs more memory. The amount of memory that is available to the data server is controlled by the MESSAGE POOL SIZE parameter, which is in the data server's configuration file.

User response: See the MESSAGE POOL SIZE parameter definition in the *IBM WebSphere Classic Data Event Publisher for z/OS Guide and Reference*, *IBM WebSphere Classic Federation Server for z/OS Guide and Reference*, or *IBM WebSphere Classic Replication Server for z/OS Guide and Reference* for instructions on the MESSAGE POOL SIZE parameter and how it relates to the total amount of memory that is available to the data server. The total available memory is controlled by the data server REGION size.

0x00570012 (5701650) A connector received an unknown processing request.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570014 (5701652) A connector could not load.

Explanation: The query processor attempted to load an SSI to process a query. The SSI load module was not

in the LOAD libraries that were referenced in the STEPLIB DD statement or in the LINKLIST system area.

User response: Locate the SSI load modules, and verify that the data server has access to these load modules.

0x00570016 (5701654) The virtual communications registration call in the IMS DBB or BMP client failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570017 (5701655) The query processor was unable to establish a session with the IMS DBB/BMP service. The service is either busy or the maximum connections that are defined in its service information entry were reached.

Explanation: The IMS DBB/BMP service was unavailable to process another session.

User response: Either increase the maximum tasks in field 5 or the maximum connections in field 6 in the service information entry.

0x00570018 (5701656) The virtual message allocation call for the IMS BMP or DBB buffer failed.

Explanation: There is not enough memory to allocate a message buffer for communication with the IMS BMP/DBB service.

User response: Increase the data server region size.

0x0057001B (5701659) An update is not supported by the connector.

Explanation: This particular data connector does not support update operations.

User response: Do not issue any SQL update operations against the tables that are represented by this connector.

0x0057001C (5701660) An update is not possible on data with occurs.

Explanation: An SQL update request was issued on a table that contains a record array. Updates on tables that are mapped with record arrays are not supported.

User response: Remove the record array from the table mapping, or map a new table without the record array for update purposes.

0x0057001D (5701661) The connector is not RRS enabled.

Explanation: The transaction uses the RRS version of the query processor, and a statement attempted to update the table that mapped to an Adabas, CA-IDMS, or VSAM data source. These data sources are not currently RRS participants. The operation is not supported.

User response: No action is required.

0x0057001e (5701662) The *connector-name* connector does not support the provided *isolation-level* clause.

Explanation: Possible causes for this message:

- A SELECT statement is executed against the database *connector-name* that does not support the WITH *isolation-level* clause.
- The isolation level was set by the JDBC driver with `setTransactionIsolation` to a value that is not supported by the connector mentioned in the message text.

User response: Correct the SELECT statement by passing a valid *isolation-level* for the database *connector-name* or removing the WITH clause.

Correct the isolation level in the JDBC driver, by calling `setTransactionIsolation` for the respective connection.

0x00570021 (5701665) The sequential connector could not allocate memory.

Explanation: The data server needs more memory. The amount of memory that is available to the data server is controlled by the MESSAGE POOL SIZE parameter in the data server's configuration file.

User response: See the MESSAGE POOL SIZE parameter definition in the *IBM WebSphere Classic Data Event Publisher for z/OS Guide and Reference*, *IBM WebSphere Classic Federation Server for z/OS Guide and Reference*, or *IBM WebSphere Classic Replication Server for z/OS Guide and Reference* for instructions on the MESSAGE POOL SIZE parameter and how it relates to the total amount of memory that is available to the data server. The total available memory is controlled by the data server REGION size.

0x00570022 (5701666) The sequential data set cannot be opened.

Explanation: The OPEN macro failed.

User response: Check the data server message log for error messages.

0x00570023 (5701667) The sequential file was not read.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570024 (5701668) The connected user ID has insufficient authority to perform a server operation.

Explanation: The connected user ID has insufficient access rights to a required resource profile.

User response: Verify the user ID has sufficient authority to access this resource, or have a user ID that does have sufficient authority perform this operation.

0x0057002B (5701675) The LRECL is not available. The file cannot be read.

Explanation: No record size was specified in the metadata utility. The OPEN operation that was performed on the file failed to provide a record size. Processing cannot continue.

User response: Specify a record size.

0x0057002C (5701676) The file cannot be written.

Explanation: An attempt to write to a sequential file failed.

User response: Refer to the server log for possible abend codes. If you cannot resolve the issue, contact IBM Software Support.

0x0057002D (5701677) The mapped file length and the physical file length do not match.

Explanation: An attempt to access a sequential file failed.

User response: Refer to the server log for the length fields being compared. The length in the file mapping and the maximum length of the file must match to prevent in storage buffers from being overlaid. Correct the file mapping to prevent this error. If you cannot resolve the issue, contact IBM Software Support.

0x00570031 (5701681) Memory could not be allocated in the VSAM connector.

Explanation: Memory could not be allocated from the message pool.

User response: Increase the size of the MESSAGE POOL SIZE parameter in the master configuration member.

0x00570032 (5701682) The VSAM catalogs could not be accessed.

Explanation: The SHOWCAT macro failed.

User response: Check the second four bytes of SQLEXT in the SQLCA for the return code that was returned from the SHOWCAT macro. See IBM MVS/XA VSAM Catalog Administration: Access Method Services Reference for more information regarding SHOWCAT return codes.

0x00570033 (5701683) Information about the VSAM data set cannot be acquired.

Explanation: The SVC 99 tried to acquire information about the status of a VSAM data set.

User response: Check the second four bytes of SQLEXT in the SQLCA for the reason code that was returned from the SVC 99 call. See *IBM MVS/XA System Macros & Facilities Volume 1* for more information regarding SVC 99 reason codes.

0x00570034 (5701684) The VSAM file cannot be opened.

User response: Check the second four bytes of SQLEXT in the SQLCA for the VSAM reason code associated with the call.

0x00570035 (5701685) The VSAM record was not retrieved.

User response: Check the second four bytes of SQLEXT in the SQLCA for the VSAM reason code associated with the call. .

0x00570036 (5701686) The VSAM file type is not valid.

Explanation: The VSAM data set type does not match the data set type that is stored in the system catalogs.

User response: Rerun the metadata utility for the table that was accessed, and try again.

0x00570038 (5701688) The position within the file cannot be established.

Explanation: The VSAM POINT macro failed.

User response: Check the second four bytes of SQLEXT in the SQLCA for the VSAM reason code that is associated with the call.

0x00570039 (5701689) The position within the file cannot be established.

Explanation: The VSAM POINT macro failed because of an empty file.

User response: Rerun the metadata utility for the table that was accessed. Specify a loaded VSAM file, and try again.

0x00570042 (5701698) All of the IMS PCBs are in use.

Explanation: Too many cursors are open for the same database.

User response: Add additional PCBs to the PSB, and reassemble the PSB.

0x00570044 (5701700) A PCB for the database that was requested cannot be accessed.

Explanation: All of the PCBs for the database that were mapped for the open table are in use, the PSB is defined incorrectly, or the IMS database is empty.

User response: Ensure that the PSB is correctly defined. If the PCBPREFIX option is being used, ensure that the PCBPREFIX that is specified in the metadata grammar matches the PCBPREFIX that is in the PSB. Also, when using PCBPREFIX, ensure that the PCBs begin sequence numbering with zero (for example, PCBPREFIX=PAYROLL first PCBNAME must be PAYROLL0). If the PCBPREFIX option was not used, ensure that there is an adequate number of PCBs that reference the IMS database that the table was mapped against. Add additional PCBs to the PSB, and reassemble the PSB.

0x00570045 (5701701) An IMS PCB that contains the required segment cannot be accessed.

Explanation: At least one IMS PCB was found for the correct database, but no PCB was sensitive to all of the segments that were mapped by the accessed table.

User response: Ensure that the IMS PSB has a correct definition. Add additional PCBs to the PSB, and reassemble the PSB.

0x00570046 (5701702) The IMS connector memory was not allocated.

Explanation: The memory that was requested could not be allocated.

User response: Increase the size of the MESSAGE POOL SIZE parameter in the master configuration member, and run the query again.

0x00570047 (5701703) An unexpected IMS status code was received.

Explanation: A DL/I call that was issued by the IMS SSI received an unexpected status code.

User response: See the log for more information. Check the second four bytes of the SQLEXT, in the SQLCA, for the IMS status code that was returned from the DL/I call. Also, examine the data server job output for messages. Change the VSPEC parameter in the data server to TR to activate the DLITRACE output. Examine the DFSTROUT data set output to identify the DL/I call.

0x00570048 (5701704) The application attempted to open the second cursor for the same HSAM database.

Explanation: The application attempted to open more than one cursor on one or more tables that are mapped to the same HSAM database.

IMS does not support multiple PCBs for HSAM databases. Therefore, the data server did not accept the request. This restriction applies only to HSAM databases.

0x00570049 (5701705) The data server was unable to locate a PCB with the specified name.

Explanation: The data server could not locate a PCB that you specified in the DDL that you used to map a table, and was unable to access the specified IMS database.

This message indicates a configuration error.

User response: Correct the PCB name in the DDL for the specified IMS table, then drop the table and run the corrected DDL to recreate it. If the problem persists, contact IBM Software Support.

0x0057004A (5701706) There is no PCB with the correct PROCSEQ.

Explanation: The table definition contains a column that references an XDFLD. However, none of the PCBs in the PSB that is used by the IMS SSI, contain a PCB

with a PROCSEQ parameter that references the Secondary Index DBD that contains the XDFLD.

User response: Ensure that the PSB is properly defined. Add additional PCBs to the PSB, and reassemble the PSB.

0x0057004C (5701708) The DRA/RRS PSB scheduling failed.

User response: See the system log from the data server.

0x0057004D (5701709) The IMS PCBPREFIX lookup failed while using the DRA interface.

User response: See the SYSPRINT from the data server for more information.

0x0057004E (5701710) The DRA/RRS PSB unschedule failed.

User response: See the data server log for more details.

0x0057004F (5701711) The DRA failed to stop.

User response: See the system log from the data server for more information.

0x00570051 (5701713) The scheduled PSBs do not contain a usable PCB for the current table.

User response: Verify that the correct PSB was specified for the query and that it contains a usable PCB. Also, ensure that the correct PCB is not currently in use by another task.

0x00570053 (5701715) A DL/I failure occurred while retrieving the database segments.

User response: See the data server log for more information.

0x00570054 (5701716) An IMS interface is not available.

Explanation: Either the master configuration file for the data server did not contain a service information entry for IMS access, or the initialization of the IMS access service failed.

User response: If the configuration contains an entry for DRA or BMP/DBB access, check the system log from the data server for errors that occurred during the initialization of the IMS access.

0x00570055 (5701717) The IMS interface initialization did not complete correctly.

Explanation: An error occurred during an attempt to initialize the IMS environment.

User response: See the system log from the data server for more information on the cause of the error.

0x00570056 (5701718) The DRA interface to IMS is not usable.

Explanation: The DRA environment has been ended by IMS and further requests to IMS are no longer possible.

User response: Check the system log for the IMS messages and for more information on the cause of the error.

0x00570057 (5701719) The DRA PREPARE request failed.

Explanation: The PREPARE call that is issued as part of PSB termination processing in the DRA environment failed.

User response: See the SYSPRINT from the data server for more information on the cause of the error.

0x00570058 (5701720) The DRA Commit-Terminate request failed.

User response: See the SYSPRINT from the data server on the cause of the error.

0x00570059 (5701721) The BMP/DBB message buffer is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057005A (5701722) The message request is not valid for the IMS BMP/DBB server.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057005B (5701723) The response from the IMS BMP/DBB server was not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057005C (5701724) The BMP/DBB operation timed out.

User response: Check the system log from the data server to find an error in the IMS BMP/DBB service.

0x0057005D (5701725) The virtual communications put call stopped in the BMP/DBB service.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057005E (5701726) The virtual communications get call failed in the BMP/DBB service.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057005F (5701727) The query processor environment and IMS environment are not compatible.

User response: Contact IBM Software Support.

0x00570061 (5701729) There was an error reading the metadata catalog while processing a query that referenced a system table.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570062 (5701730) The metadata catalog could not be opened to process a query that referenced a system table.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570063 (5701731) Data could not be moved from a metadata catalog table while processing a query against a system table.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570064 (5701732) The CICS file definition must be defined as a DDName.

User response: Use the metadata utility to correct the file definition.

0x00570065 (5701733) CICS open or authorization error (optional-descriptive-error-text).

User response: Verify that the file name exists in CICS and that the file authorization matches the intended use.

Also, verify that the username and password were passed in the connection string that was sent by the client. A message can appear in the console log or the CICS log, which indicates the missing username or

0x00570066 (5701734) • 0x00570074 (5701748)

password or some other problem.

A descriptive error text may also appear in parenthesis. If that descriptive error text should indicate an internal error contact IBM support.

0x00570066 (5701734) The table close process could not be completed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570067 (5701735) CICS encountered an error retrieving an error.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570068 (5701736) The CICS error seeks a position in the file.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570069 (5701737) A CICS error occurred when trying to update a record.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057006A (5701738) A CICS error occurred when trying to insert a record.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057006B (5701739) A CICS error occurred when trying to delete a record.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057006C (5701740) A CICS error occurred when trying to release a lock on a record.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057006D (5701741) A CICS error occurred when trying to end browse.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057006E (5701742) A duplicate key was found in the VSAM PATH when the index was specified as unique.

Explanation: An attempt to read, update, or insert a record with a duplicate key from or into an index defined with the Unique Key attribute is not allowed.

User response: Redefine the index so that it is non-unique, or remove the duplicate key record from the file.

0x00570070 (5701744) The task identifier could not be located during the IMS initialization.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570071 (5701745) The IMS environment was already initialized.

Explanation: The master configuration file contains a service information entry for more than one IMS environment. The first service information entry is processed, and all subsequent definitions are not.

User response: Remove or comment-out any extra service information entry definitions.

0x00570072 (5701746) The IMS region-controller parameter was not found in the JCL.

Explanation: The IMS region controller start-up parameter was found in the JCL PARM to the data server.

User response: Check the JCL for the data server, and verify that an IMS parameter that starts with "BMP", "DBB", or "DLI" is present in the PARM keyword of the EXEC statement.

0x00570073 (5701747) The DETACH operation of the IMS region controller stopped.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570074 (5701748) The ATTACH operation of the IMS region controller could not be completed.

Explanation: The ATTACH macro failed to attach the IMS Region Controller module, DFSRRC00.

User response: Ensure that the data server JCL includes the IMS RESLIB in the STEPLIB concatenation. Also check the JES output of the data server for the z/OS abend code that is associated with the error.

0x00570075 (5701749) The IMS region controller ended abnormally.

Explanation: The IMS region controller abended. Generally, this is a User Abend code that is associated with some failure in the initialization of the IMS Batch environment.

User response: Check the z/OS log and data server log for more information on the specific abend code. If it is a User Abend code, look up the abend code in the IMS Messages and Codes for your IMS version.

0x00570076 (5701750) The virtual communications registration call in the IMS initialization service failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570077 (5701751) The virtual communications open call in the IMS initialization service failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570078 (5701752) The virtual message allocation call in the IMS initialization service failed.

Explanation: There is not enough memory to allocate a message buffer for communication with the IMS SSI.

User response: Increase the data server region size.

0x00570079 (5701753) The allocation of the IMS environment failed.

Explanation: There is not enough memory to allocate a message buffer for communication with the IMS SSI.

User response: Increase the data server region size.

0x0057007A (5701754) The load of the IMS access module AIBTDLI failed.

Explanation: An operating system load of the IMS access module AIBTDLI failed in the IMS BMP/DBB service.

User response: Ensure that the correct IMS RESLIB is allocated to the STEPLIB DD in the data server task.

0x0057007B (5701755) The load of the IMS access module CBLTDLI failed.

Explanation: An operating system load of the IMS access module CBLTDLI failed in the IMS BMP/DBB service.

User response: Ensure that the correct IMS RESLIB is

allocated to the STEPLIB DD in the data server task.

0x0057007C (5701756) The CHKP call returned an unexpected status code.

Explanation: The CHKP call to the IOPCB in the IMS BMP/DBB environment received an unexpected status code.

User response: See the data server log for more information.

0x0057007D (5701757) The service information entry pointer is NULL.

Explanation: The pointer to the task parameters for the DRA service is NULL.

User response: Check the service information entry definition for the correct format of the task parameters.

0x0057007E (5701758) The load of the DRA router module DFSPRRC0 failed.

Explanation: An operating system load of the IMS access module DFSPRRC0 failed in the IMS DRA service.

User response: Ensure that the correct IMS RESLIB is allocated to the STEPLIB DD in the data server task.

0x0057007F (5701759) The service information entry task data parm for DRA is incorrect.

Explanation: The format of the task parameter on the DRA SERVICE INFO ENTRY is incorrect.

User response: Check the service information entry definition for the correct format of the task parameters.

0x00570080 (5701760) The DRA failed to end.

Explanation: An error was returned from IMS in the DRA termination call.

User response: See the data server system log for more information on the cause of the error.

0x00570081 (5701761) The DRA user ID could not be generated.

Explanation: When multiple servers attempt to connect to IMS with the same user ID, each subsequent data server suffixes the user ID with the digits 1 through 99 when the defined user ID is already in use by another active server. This message occurs when an 8-byte user ID is specified in the DRA start-up parameters on the service information entry, and a separate instance of a data server with the same user ID is already active. Each data server definition should have a different DRA user ID to avoid this problem.

User response: Servers that require multiple instances

0x00570082 (5701762) • 0x00570096 (5701782)

must specify a user ID of 7 or fewer characters to make suffixing possible.

0x00570082 (5701762) The DRA initialization failed.

User response: See the system log from the data server for more information on the cause. This is usually a problem in either the JCL for the data server or the task parameters for the service information entry of the DRA service.

0x00570083 (5701763) The DRA control exit did not run during the DRA initialization.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570084 (5701764) The DRA control exit returned an error return code.

Explanation: An unexpected error return code was received from the Control Exit in the DRA environment.

User response: See the system log from the data server for more information on the cause.

0x0057008C (5701772) The metadata catalog is incorrect. The table that was referenced must be remapped.

Explanation: A new length-processing algorithm was implemented since the table was mapped. The mapped length is incompatible with the revised algorithm.

User response: Remap the table by running the metadata utility with the original grammar. No changes to the grammar are required.

0x0057008D (5701773) The Adabas nucleus is either not active or not accessible.

Explanation: An Adabas command was not processed. The response code, 148, indicates that the database system is not active.

User response: See the server log for diagnostic information.

0x0057008E (5701774) The Adabas user command was not released.

Explanation: An Adabas Release Command ID command was not processed.

User response: See the server log for diagnostic information.

0x0057008F (5701775) The column data does not fit in the query processor's supplied buffer.

User response: Contact IBM Software Support.

0x00570090 (5701776) The Adabas subroutine CACADA was not loaded.

Explanation: The CACADA module was not loaded. The module was created during the data server and Adabas connector installation processes.

User response: See the data server log for more information.

0x00570091 (5701777) The Adabas user session could not be opened.

Explanation: A session with ADABAS was not established.

User response: See the data server log for more diagnostic information.

0x00570093 (5701779) Memory cannot be allocated.

Explanation: There is not enough available storage in the message pool.

User response: Increase the value for MESSAGE POOL SIZE in the data server configuration file.

0x00570094 (5701780) The WHERE clause could not be processed.

Explanation: The WHERE clause was not processed. The Adabas ISN (Internal Sequence Number) columns are supported on the WHERE clause; however, only the equality type operators ($=$, IN) are supported.

User response: Verify that the WHERE clause is accurately constructed.

0x00570095 (5701781) An Adabas search command could not be processed. The search command was issued against Adabas file number *file-number* and failed with Adabas response code *response-code*.

User response: See the data server log for diagnostic information.

0x00570096 (5701782) An Adabas read command could not be processed.

User response: See the data server log for diagnostic information.

0x00570097 (5701783) The ADALNK routine cannot be located.

Explanation: The ADALNK module cannot be located. This load runs to ensure access to Adabas.

User response: Correct the data server JCL, and recycle the data server.

0x00570098 (5701784) The Adabas module, ADALNK, is not reentrant.

User response: Make ADALNK reentrant.

0x0057009A (5701786) The DATE column conversion could not be completed.

Explanation: An attempt to update or insert a column that was specified as "USE AS DATE" could not be completed because the date format that was specified was incomplete. The date format must contain the month, day, and year to calculate a corresponding ADABAS date value.

User response: Correct the date format in the metadata grammar, and rebuild the table.

0x0057009B (5701787) The TIME column conversion could not be completed.

Explanation: An attempt to update or insert a column that was specified as "USE AS TIME" could not be completed because the time format that was specified was incomplete. The time format must contain at least the month, day, and year to calculate a corresponding ADABAS time value.

User response: Correct the date format in the metadata grammar, and rebuild the table.

0x0057009C (5701788) The Adabas update command could not be processed.

Explanation: ADABAS returned a nonzero response code while processing an A1 command.

User response: Check the second 4 bytes from the SQLEXT in the SQLCA for the ADABAS response code. All related ADABAS control blocks are written to the data server log file.

If a single query updates a large number of records, ensure that the NISNHQ parameter is large enough to handle the number of records.

0x0057009D (5701789) The Adabas insert command was not processed.

Explanation: Adabas returned a nonzero response code while processing an N1 command.

User response: Check the second 4 bytes from the SQLEXT, in the SQLCA, for the Adabas response code.

All related Adabas control blocks are written to the data server log file.

0x0057009E (5701790) The Adabas delete command could not be processed.

Explanation: Adabas returned a nonzero response code while processing an E1 command.

User response: Check the second 4 bytes from the SQLEXT, in the SQLCA, for the Adabas response code. All related Adabas control blocks are written to the data server log file.

0x005700A0 (5701792) This is an incompatible version of the CACADABS. Relink the CACADABS module.

Explanation: The CACADABS module is linked during the data server and Adabas connector installation process. The Adabas connector has detected a back-level version of the CACADABS module.

User response: Locate and remove the back-level copy of the CACADABS module.

0x005700A1 (5701793) An attempt to allocate memory for a stored procedure failed.

User response: Increase the region size and restart your data server.

If the failure cannot be corrected, contact IBM Software Support. You will be asked for the value in the second word of SQLEXT to assist in diagnosing the problem.

0x005700A2 (5701794) An error internal to a stored procedure occurred.

Explanation: The control of the user-written stored-procedure program that is identified by LOADMOD in the stored-procedure definition caused an error. The value in the second word of SQLEXT might be a user return code, an IBM WebSphere Classic Federation Server for z/OS message code, or a system return code. IBM WebSphere Classic Federation Server for z/OS message codes normally follow the form 00xx00xx, where 'x' positions are replaced by hexadecimal digits 0-9 or A-F.

User response: If the code appears to be an IBM WebSphere Classic Federation Server for z/OS message code, check the product documentation for interpretation. If the code appears to be a user code, check the appropriate user documentation for interpretation.

0x005700A3 (5701795) An unexpected return code was received.

Explanation: This is an internal error.

User response: Contact IBM Software Support. You

will be asked for the value in the second word of SQLEXT to assist in diagnosing the problem.

0x005700A4 (5701796) An abend was detected in the CICS component of your stored procedure processing.

Explanation: You are running a stored procedures program in a CICS system. An abend has occurred. The abend might have originated in your application program or in the data server's connection handler. The abend might have been planned to signal some type of error condition, or it might have been issued by CICS because of some unhandled condition. The abend code is logged by CICS.

Depending upon site specifications, a CICS transaction dump might also be available. The abend code is logged by the data server, and the abend code is returned to the client application that called the stored procedure in the second word of SQLEXT.

User response: Check the CICS system log and the data server log. To resolve the cause of the abend, first determine if the abend code is an application abend, a Connection Handler abend, or a CICS abend. Then, review the appropriate documentation to determine the cause and corrective action.

0x005700A5 (5701797) The number of parameters that was passed to the CACTDRA is not correct.

Explanation: The number of parameters that was passed to the CACTDRA is not correct for the type of DL/I call that was issued. The number of parameters that CACTDRA expected and the number of parameters that were received are displayed in the data server detail log report. The number of parameters is one more than what was passed by the stored procedure. SAS/C transient modules add another parameter and contain the name of the program that is invoked. The corresponding CACTDRA return code value is 1.

User response: Correct the stored procedure application to supply the correct number of parameters for the type of call that was issued.

0x005700A6 (5701798) A PSB is already scheduled.

Explanation: A stored procedure application issued a SCHD call, but a PSB was already scheduled by the application. Only one PSB can be scheduled by a stored procedure at a time. A CACTDRA TERM call must be issued to unschedule the current PSB before it schedules a subsequent PSB. The corresponding CACTDRA return code value is 10.

User response: Correct the application logic.

0x005700A7 (5701799) A PSB was not scheduled.

Explanation: A stored procedure application issued a CACTDRA DL/I call or TERM call before it scheduled a PSB. The CACTDRA SCHD call returned an error, or the call was never issued. The corresponding CACTDRA return code value is 11.

User response: Correct the application logic.

0x005700A8 (5701800) Incorrect argument data was detected by the stored procedure bridge.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x005700A9 (5701801) An incorrect buffer stamp (SPSTMP1) was detected by the stored procedure bridge.

Explanation: A stored procedure program attempted to communicate with a remote system such as IMS or CICS. Buffer corruption occurred.

User response: Verify that the stored procedure program is correct. The program you are running is identified by the parameter LOADMOD in the stored procedure definition.

0x005700AA (5701802) An incorrect buffer stamp, SPSTMP2, was detected by the stored procedure bridge.

Explanation: A stored procedure program attempted to communicate with a remote system such as IMS or CICS. Buffer contamination occurred.

User response: Verify that the stored procedure program is correct. The program you are running is identified by the parameter LOADMOD in the stored procedure definition.

0x005700AB (5701803) No APPC function was specified or no APPC definition data was supplied.

Explanation: A stored procedure program attempted to communicate with a remote system such as IMS or CICS. Three parameters are required each time CACSPBR is invoked to perform an APPC function. One or more of those parameters was not specified correctly, as indicated by a zero value in the parameter list.

User response: Verify that the program logic includes all three parameters on each invocation of CACSPBR and that the parameter specifications are correct. Correct any errors or inconsistencies that are found. Relink the program including CACSPBR and rerun the stored procedure query.

0x005700AC (5701804) The APPC function is unknown (not OPEN/SEND/RECEIVE/CLOSE).

Explanation: A stored procedure program attempted to communicate with a remote system such as IMS or CICS. Three parameters are required each time that CACSPBR is invoked to perform an APPC function. The first parameter locates a control block that contains the APPC function to be performed. The function that is specified is not one of the supported functions.

User response: Correct the requested function to be OPEN, SEND, RECEIVE, or CLOSE. Relink the program, including CACSPBR, and rerun the stored procedure query.

0x005700AD (5701805) The local LU name contains substitution characters that are embedded, that is, that are not suffix characters, or the entire local LU name contains suffix characters.

Explanation: A stored procedure program attempted to communicate with a remote system such as IMS or CICS. Three parameters are required each time that CACSPBR is invoked to perform an APPC function. The second parameter locates a control block that contains the APPC control information, including the Local LU Name. Multiple, sequentially-numbered, local LU names can be specified with a suffix of one or more asterisk (*) characters on the local LU name. An asterisk character cannot be embedded within the local LU name, nor can the entire local LU name be asterisk characters.

User response: Correct the local LU name specification. Relink the program, including CACSPBR, and rerun the stored procedure query.

0x005700AE (5701806) The virtual communication registration call failed. No application return code is available.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x005700AF (5701807) The OPEN function failed. No application return code is available.

Explanation: A stored procedure program attempted to communicate with a remote system such as IMS or CICS. An APPC OPEN was requested.

User response: Check the target (remote) system for error or abend messages. Verify that the APPC control information, located by the second parameter that was passed to CACSPBR, is correct. Check for errors or other messages in the system log or in the job output that might explain the OPEN failure. Check the system log and job output for both the local task (data server) and the remote task (CICS, IMS).

0x005700B0 (5701808) The SEND function failed. No application return code is available.

Explanation: A stored procedure program attempted to communicate with a remote system such as IMS or CICS. An APPC SEND was requested. The connection must be established previously by using the OPEN function.

User response: Check the target (remote) system for error or abend messages. Verify that the OPEN request was properly run. Check for errors or other messages in the system log and job output for both the local task (data server) and remote task (CICS, IMS).

0x005700B1 (5701809) The RECEIVE function failed. No application return code is available.

Explanation: A stored procedure program attempted to communicate with a remote system like IMS or CICS. An APPC RECEIVE was requested. The connection must be established previously, with the OPEN function, and the data must be sent to the remote system by using the SEND function.

User response: Check the target (remote) system for error or abend messages. Verify that the OPEN and SEND requests ran properly. Check for errors or other messages in the system log or in the job output that might explain the RECEIVE failure. Check the system log and job output for both the local task (data server) and the remote task (CICS, IMS).

0x005700B2 (5701810) The RECEIVE function received a DISCONNECT, but not all of the data was received.

Explanation: A stored procedure program attempted to communicate with a remote system such as IMS or CICS. Data was sent to the remote system and then an APPC RECEIVE was requested. A disconnect occurred before all of the data that was sent by the remote system was received.

User response: Check the target (remote) system for error or abend messages. Check for errors or other messages in the system log or in the job output that might explain the disconnection. Check the system log and job output for both the local task (data server) and the remote task (CICS, IMS).

0x005700B3 (5701811) The CLOSE function failed. No application return code is available.

Explanation: A stored procedure program attempted to communicate with a remote system like IMS or CICS. An APPC CLOSE was requested. The connection must be established previously with the OPEN function. The data might have been exchanged with the remote system by using the SEND and RECEIVE functions.

User response: Check the target (remote) system for

error orabend messages. Verify that the OPEN request and any SEND and RECEIVE requests ran properly. Check for errors or other messages in the system log or in the job output that might explain the CLOSE failure. Check the system log and job output for both the local task (data server) and the remote task (CICS, IMS).

0x005700B4 (5701812) A stored procedure in an LE environment could not be invoked. The data server log identifies the LE function that failed and the failing return code.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x005700B5 (5701813) An incorrect number of parameters was passed to CACTDCOM.

Explanation: The number of parameters depends upon which command is issued. The minimum number of parameters is three, and the maximum number is six. This error should occur only during development of the stored procedure application program.

User response: Correct the parameters that are used to call CACTDCOM and rerun your job.

0x005700B6 (5701814) There is no URT name available to CACTDCOM. No 'urtname' was specified following the '_DATACOM' keyword found in the {Work Area | Run Options}. There is no URT name available to CACTDCOM. No '_DATACOM' keyword was found in the {Work Area | Run Options}.

Explanation: Two variations of this message are possible, depending upon whether or not the _DATACOM keyword was supplied. In the first variation, the keyword _DATACOM was found in either the RUN OPTIONS of the cataloged procedure or in a Work Area passed programmatically during the OPEN processing. However, the expected (urtname) clause did not immediately follow the keyword, or it did not adhere to the proper syntax. In the second variation, the keyword _DATACOM was not found in either the RUN OPTIONS of the cataloged procedure or in a work area that was passed programmatically during the OPEN processing.

This error should occur only during development of the stored procedure application program.

User response: Correct the specification of the URT name that is used for calling CACTDCOM and rerun the job.

0x005700B7 (5701815) No URT name was found. The 'invalidstring' that was specified following the '_DATACOM' keyword was found in the {Work Area | Run Options}.

Explanation: The User Requirements Table name that was provided to CACTDCOM was less than one character or greater than eight characters in length.

User response: Correct the specification of the URT name that was used for calling CACTDCOM and rerun the job.

0x005700B8 (5701816) The stored procedure application program tried to OPEN a second URT. The URT 'urtname' was already open.

Explanation: The stored procedure application program attempted to issue a second OPEN command. Only one User Requirements Table can be open at a time.

User response: Correct the sequence of issuing commands in the stored procedure application program and rerun the job.

0x005700B9 (5701817) An MVS program load (loadm) failed. The URT 'urtname' failed to load

Explanation: The User Requirements Table program failed to load. The URT program must be in a load library that is included in the STEPLIB concatenation of the data server.

User response: Ensure that the load module for the URT is in an accessible library and rerun the job.

0x005700BA (5701818) The URT format is not known. There is a partial dump in the next log entries.

Explanation: The User Requirements Table program that was loaded is not in a known format. If possible, the first 64 characters and the terminating 8 characters of the URT are dumped, in two separate binary displays, to the data server log when the trace level is set to 4 or less.

User response: Review the URT content and determine if it is valid. Changes in the format of the User Requirements Table require code changes in CACTDCOM. Format changes are possible when migration to new versions of CA-DATACOM/DB occurs. Contact IBM Software Support if the CACTDCOM interface requires code changes.

0x005700BB (5701819) CA-Datcom could not be accessed to run the command.

Explanation: An attempt to acquire the resources that are necessary to communicate with the CA-DATACOM/DB failed. All retries were exhausted. The CA-DATACOM/DB control blocks that are passed to CACTDCOM are dumped in separate binary displays to the data server log when the trace level is set to 2 or less. These control block binary displays immediately precede this message in the data server log.

User response: Verify that the control blocks are initialized correctly for the command. Check the task area allotment in the service information entry for the Datacom Initialization Service. If the commands are timing out because of task-area contention that is caused by a small number of task areas, increase the number of task areas, and retry the job.

0x005700BC (5701820) The command cannot be run. There is no stored procedure environment handle. The OPEN command did not run.

Explanation: The stored procedure application program called CACTDCOM with a database command without first opening the URT.

User response: Correct the stored procedure application program to open the URT before other database commands are issued and rerun the job.

0x005700BD (5701821) The command cannot run. A required stored procedure environment address is NULL.

Explanation: A CACTDCOM interface environment pointer is zero.

User response: Verify that the stored procedure application program did not corrupt storage.

0x005700BE (5701822) The command cannot run. The update command was detected. The URT was opened with the update intent set to 'NO'. The command was rejected.

Explanation: The User Requirements Table contains at least one table for update processing. When the OPEN command was sent by the stored procedure application program, the internal return code field in the Request Area was coded with the letter N, indicating that no update processing was allowed. The stored procedure application program sent an ADDIT, DELET, or UPDAT command that was rejected.

User response: Correct the stored procedure application program to either allow update processing if ADDIT, DELET, or UPDAT commands are issued, or remove all of the ADDIT, DELET, or UPDAT commands if update processing is not allowed.

0x005700BF (5701823) There are too many stored-procedure definition parameters.

User response: Contact IBM Software Support.

0x005700CF (5701839) A DB2 RRS subsystem SWITCH TO request failed.

User response: Contact IBM Software Support.

0x005700D0 (5701840) An error occurred in locating the task identifier during DB2 initialization.

Explanation: This is an internal error.

User response: Contact the system administrator.

0x005700D1 (5701841) The SERVICE INFO ENTRY pointer is NULL.

Explanation: This is an internal error.

User response: Contact the system administrator.

0x005700D2 (5701842) The DB2 subsystem name in the SERVICE INFO ENTRY exceeds 4 characters.

Explanation: The task name in the configuration file for a DB2 CAF task exceeds 4 characters. This name is limited to 4 characters as it must identify a valid z/OS DB2 Universal Database™ subsystem ID for DB2 access.

User response: Ensure that the subsystem name does not exceed 4 characters.

0x005700D3 (5701843) The virtual communications registration call in the DB2 CAF connector or service thread failed.

Explanation: This is an internal error.

User response: Contact the system administrator.

0x005700D4 (5701844) The virtual communication open call failed in the DB2 CAF service.

Explanation: This is an internal error.

User response: Contact the system administrator.

0x005700D5 (5701845) The DB2 CAF module, DSNALI, could not be loaded.

Explanation: The DB2 call-attachment facility module DSNALI could not be loaded by the data server.

User response: Check the data server JCL to ensure that the DB2 module DSNALI is in the STEPLIB DD concatenation.

0x005700D6 (5701846) The DB2 CAF module, DSNHLI2, could not be loaded.

Explanation: The DB2 call-attachment facility module DSNHLI2 could not be loaded by the data server.

User response: Check the data server JCL to ensure that the DB2 module DSNALI is in the STEPLIB DD concatenation.

0x005700D7 (5701847) The DB2 CAF service could not connect to the DB2 subsystem.

Explanation: An attempt to connect to the subsystem name that is specified in the task name field of the service information entry for the DB2 CAF thread failed.

User response: Check the service information entry for a correct DB2 subsystem ID in the task name field. Also check the data server log for more information on the failure.

0x005700D8 (5701848) The DB2 CAF service could not open the DB2 plan.

Explanation: An attempt to OPEN the DB2 plan that is defined in the service information entry for the DB2 CAF service failed.

User response: Check the plan name that is specified in the task information field of the service information entry for the DB2 CAF service. Also check the data server log for specific error codes that were returned from DB2 on the OPEN request.

0x005700D9 (5701849) The DB2 CAF service could not close the DB2 plan.

Explanation: An attempt to close a DB2 plan resulted in an error code from DB2.

User response: Check the data server log for the DB2 error code that was returned.

0x005700DA (5701850) The DB2 CAF service could not disconnect from DB2.

Explanation: A disconnect request resulted in an error code from DB2.

User response: Check the system log for the DB2 error code that was returned.

0x005700DB (5701851) The DB2 CAF service received a message that was not valid.

Explanation: This is an internal error.

User response: Contact the system administrator.

0x005700DC (5701852) The DB2 connector session pointer is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x005700DD (5701853) A request that was sent to a DB2 CAF thread timed out.

Explanation: A statement that was sent to the DB2 CAF service did not respond within the timeout value that was defined on the CAF SERVICE INFO ENTRY.

User response: Check the system log and display the data server services for possible errors.

0x005700DE (5701854) A request that was sent to the DB2 CAF service received a response that was not valid.

Explanation: The internal system communication ended unexpectedly.

User response: Check the data server log for related messages.

0x005700DF (5701855) The virtual communications put call stopped in the DB2 CAF service.

Explanation: The internal system communication stopped.

User response: Check the data server log for related messages.

0x005700E0 (5701856) The virtual communications get call failed in the DB2 CAF service.

Explanation: The internal system communication stopped.

User response: Check the data server log for related messages.

0x005700E1 (5701857) A request for a DB2 CAF thread could not be completed. Either no DB2 threads are active, or all active threads are currently in use.

Explanation: An attempt to acquire a DB2 CAF thread failed. The number of threads that are allowed is controlled by the Maximum Task Count (parameter # 5) in the service information entry for the DB2 CAF service. This limit might have been reached or there might be a problem in the DB2 subsystem.

User response: Check the data server log for related messages.

0x005700E2 (5701858) The requested storage could not be obtained.

Explanation: An attempt to allocate memory failed. The data server needs more memory. The amount of memory that is available for use by the data server is controlled by using the MESSAGE POOL SIZE parameter in the data server's Master Configuration Member.

User response: See the MESSAGE POOL SIZE parameter definition in the documentation for IBM WebSphere Classic Federation Server for z/OS for instructions on how to use the MESSAGE POOL SIZE parameter and how it relates to the total amount of memory that is available to the data server. The total memory available is controlled by the data server's REGION size.

0x005700E3 (5701859) Internal error managing previously acquired a thread to DB2.

Explanation: An attempt was made to acquire a new thread to DB2 when a thread was already in use by the task.

User response: Contact IBM Software Support.

0x005700E4 (5701860) The SELECT statement, including the WHERE clause, overflows the maximum size buffer.

Explanation: The area that is required for the SELECT statement, including the WHERE clause, exceeds the maximum allowable buffer.

User response: Verify that a SELECT statement was supplied. Check the data server log for related messages.

0x005700E6 (5701862) An internal error occurred during the formatting of a string constant into a system work area.

Explanation: This is an internal error.

User response: Check the data server log for related messages. Have the log messages available, and contact IBM Software Support.

0x005700E7 (5701863) The metadata catalog columns do not match the columns in the SQL statement. The DB2 table changed after it was imported using the metadata utility.

Explanation: The number of columns that are recorded in the metadata catalog is less than the number of columns that were returned from the DB2 catalog by a SELECT * statement. The table in the DB2 catalog has changed since it was imported into the metadata catalog by the DB2 import utility.

User response: Determine why the difference exists. Run the DB2 import utility to import the revised DB2 table into the metadata catalog, and retry the query.

0x005700E8 (5701864) The metadata catalog column name or attributes do not match the information that was returned by DESCRIBE. The DB2 table changed after it was imported by the metadata utility.

Explanation: The information in the metadata catalog that describes the specified table and the associated columns does not match the same information in the DB2 catalog. The table in the DB2 catalog has changed since it was imported into the metadata catalog by the DB2 import utility.

User response: Determine why the difference exists. Run the DB2 import utility to import the revised DB2 table into the metadata catalog, and retry the query.

0x005700E9 (5701865) An unexpected SQLCODE was reported by DB2. If the number is prefixed with an 'E', the SQLCODE is negative.

Explanation: A call to DB2 failed. The SQLCODE that was returned by the DB2 is displayed to help diagnose the problem. If the SQLCODE is preceded by an E, it is an error code.

User response: Look up the code, preceded by a minus sign, in the IBM DB2 Recovery Expert for z/OS User's Guide to determine the specifics of the error. If no E precedes the SQLCODE, it is a warning code. Look up this code, as unsigned, in the IBM DB2 Recovery Expert for z/OS User's Guide to determine the specifics of the warning.

0x005700EA (5701866) The DB2 RRS module, DSNRLI, could not be loaded.

User response: Contact IBM Software Support.

0x005700EB (5701867) The DB2 RRS module DSNHLIR could not be loaded.

User response: Contact IBM Software Support.

0x005700EC (5701868) A DB2 RRS IDENTIFY request failed.

User response: Contact IBM Software Support.

0x005700ED (5701869) A DB2 RRS SIGNON request failed.

User response: Contact IBM Software Support.

0x005700EE (5701870) • 0x005700F9 (5701881)

0x005700EE (5701870) A DB2 RRS CREATE THREAD request failed.

User response: Contact IBM Software Support.

0x005700EF (5701871) A DB2 RRS TERMINATE THREAD request failed.

User response: Contact IBM Software Support.

0x005700F0 (5701872) A load failed for an IDMS access module.

Explanation: An operating system load failed for an IDMS access module while trying to access an IDMS mapped table. The name of the module can be found in the system log from the data server. See the data server log for the module name. IDMS access modules can be defined in a table mapping and must be available to the data server at runtime.

User response: For more information, see the utilities descriptions in the product documentation.

0x005700F1 (5701873) A bind failed for an IDMS subschema.

Explanation: A bind failed for an IDMS subschema while the system was attempting to access a mapped IDMS table.

User response: See the data server log for the subschema name. IDMS subschema names are included in the table mapping grammar.

0x005700F2 (5701874) A bind to an IDMS record failed.

Explanation: The bind to an IDMS record that is defined for the table failed.

User response: For information about the subschema name and the specific IDMS record code from the bind attempt, see the associated error messages in the data server log.

0x005700F3 (5701875) The ready for an IDMS area stopped.

User response: For information about the subschema name and the specific IDMS record code from the ready attempt, see the associated error messages in the data server log.

0x005700F4 (5701876) The repositioning (OBTAIN DBKEY) for the IDMS record failed.

Explanation: The IDMS OBTAIN DBKEY statement failed during an attempt to navigate the database.

User response: For information about the subschema name and the specific IDMS record code from the

obtain attempt, see the associated error messages in the data server log.

0x005700F5 (5701877) The OBTAIN for an IDMS record failed.

Explanation: The IDMS OBTAIN statement failed during an attempt to navigate the database.

User response: For information about the subschema name and the specific IDMS record code from the obtain attempt, see the associated error messages in the data server log.

0x005700F6 (5701878) The MODIFY statement for an IDMS record failed.

Explanation: The IDMS MODIFY statement failed during an attempt to update a record.

User response: For information about the subschema name and the specific IDMS record code from the obtain attempt, see the associated error messages in the data server log.

0x005700F7 (5701879) The STORE statement for an IDMS record failed.

Explanation: The IDMS STORE statement failed during an attempt to insert a record.

User response: For information about the subschema name and the specific IDMS record code from the obtain attempt, see the associated error messages in the data server log.

0x005700F8 (5701880) The ERASE statement for an IDMS record failed.

Explanation: The IDMS STORE statement failed during an attempt to delete a record.

User response: For information on the subschema name and the specific IDMS record code from the obtain attempt, see the associated error messages in the data server log.

0x005700F9 (5701881) The COMMIT statement failed.

Explanation: The IDMS COMMIT statement failed while attempting to commit the run-unit updates to the database.

User response: For information about the subschema name and the specific IDMS record code from the obtain attempt, see the associated error messages in the data server log.

0x005700FA (5701882) The ROLLBACK statement failed.

Explanation: The IDMS ROLLBACK statement failed while attempting to rollback the run-unit updates to the database.

User response: For information about the subschema name and the specific IDMS record code from the obtain attempt, see the associated error messages in the data server log.

0x005700FB (5701883) The FINISH statement failed.

Explanation: The IDMS FINISH statement failed while attempting to end the run-unit.

User response: For information on the subschema name and the specific IDMS record code from the obtain attempt, see the associated error messages in the data server log.

0x005700FC (5701884) The CONNECT statement for the IDMS set failed.

Explanation: The IDMS CONNECT statement failed while attempting to establish a record occurrence as a member of a set occurrence.

User response: For information on the subschema name and the specific IDMS record code from the obtain attempt, see the associated error messages in the data server log.

0x00570101 (5701889) No CA-Datcom environment was established.

Explanation: Either the master configuration file for the data server did not contain a service information entry for the Datacom Initialization Service, or the initialization failed.

User response: If the configuration contains an entry for the Datacom Initialization Service, check the system log from the data server for errors while initializing CA-DATACOM/DB access.

0x00570102 (5701890) The CA-Datcom environment did not initialize correctly.

Explanation: An error occurred during an attempt to initialize the Datacom environment.

User response: See the system log from the data server for more information on the cause of the error.

0x00570103 (5701891) Two different tasks are trying to use a single Datacom task area.

User response: Contact IBM Software Support.

0x00570104 (5701892) All CA-Datcom task areas are currently in use. Retry the request later or increase the number of available task areas.

Explanation: The total number of users who are allowed to connect to the Datacom connector is greater than the number of task areas that are allocated with CA-DATACOM/DB.

User response: Review the service information entry for the Datacom connector and calculate the maximum number of users who can connect by multiplying the maximum number of tasks by the maximum number of connections per task. Contrast that number with the number of task areas that are designated by the Datacom connector in field 10 of the service information entry for the Datacom Initialization Service. Users who request service when all task areas are busy are rejected by the Datacom connector. Either increase the number of task areas or reduce the number of users who can connect concurrently.

0x00570105 (5701893) The allocated task area cannot be accessed. It is locked by another user.

Explanation: The Datacom connector is trying to run a database command. The assigned CA-DATACOM/DB task area is not available because it is in use by another user.

User response: Retry your query at a later time.

0x00570106 (5701894) A signal to end the query was received.

Explanation: The Datacom connector received a signal to stop. The data server or service was shut down.

User response: Check the log to determine the reason for the stop signal. Rerun the query at a later time.

0x00570107 (5701895) The allocated task area cannot be accessed. It is locked by another user.

Explanation: The Datacom connector tried to close a User Requirements Table. The assigned CA-DATACOM/DB task area is not available because it is in use by another user.

User response: If this condition continues to occur, contact IBM Software Support.

0x00570108 (5701896) A call that was not valid to open the local message queue was detected.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570109 (5701897) The virtual communications registration call in the CA-Datacom connector failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057010A (5701898) The local message queue buffer address is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057010B (5701899) The session timed out while waiting for an open or close URT command to run.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057010C (5701900) An incorrect local queue message was received.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057010D (5701901) The virtual communications get call in the CA-Datacom connector failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057010E (5701902) The virtual communications put call in the CA-Datacom connector failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057010F (5701903) There is not enough memory to allocate.

Explanation: There is not enough memory to allocate the storage that is required for the interface calls to the CA-DATACOM/DB.

User response: Stop the data server, increase the region size, and restart the data server.

0x00570110 (5701904) The URT that is specified in the metadata catalog could not be loaded.

Explanation: An operating system load of the User Requirements Table, specified in the CAC catalog for the table identified in the current query, failed. Ensure that the specified URT is accessible through the STEPLIB DD concatenation in the data server task. The

system code and reason code from the operating system load is available in the data server log.

User response: If you are unable to correct the error, contact IBM Software Support.

0x00570111 (5701905) The virtual communications open call failed in the CA-Datacom connector.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570112 (5701906) An incorrect return code was detected.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570113 (5701907) A CA-Datacom error return code was received.

Explanation: A call to CA-Datacom returned with a nonzero return code value.

SQLEXT contains a CA-Datacom return code formatted as 00570113,00FnFnxx, or 00570113,xxxxxxx where *nm* is the return code and *xx* is the hexadecimal internal return code, or *xxxxxxx* is a hexadecimal value in Register 15.

User response: If you are unable to correct the error, contact IBM Software Support.

0x00570114 (5701908) The processing request failed for the CA-Datacom database.

Explanation: A call to CA-Datacom returned with a zero return code, but the process did not complete normally. See the corresponding entry in this document for the return code.

SQLEXT contains 00570114,00FnFnxx where *nm* is the CA-Datacom return code and *xx* is the hexadecimal CA-Datacom internal return code.

User response: If you are unable to correct the error, contact IBM Software Support.

0x00570115 (5701909) RRS is enabled, but the URT that is supplied is not compatible for RRS processing.

Explanation: The URT that was supplied for processing is not Version 10.0 or later. Support for RRS is available only in Version 10.0 SP02 and later.

SQLEXT contains 00570115,rrmddyy where *vr* is the URT Version/Release and *mddyy* is the URT assembly date.

User response: Assemble your URT using Version 10.0 or later libraries.

0x00570120 (5701920) Result set creation failed because the stored procedure was not defined to return a result set.

Explanation: A call to a stored procedure failed because the stored procedure attempted to create a result set even though it was not defined to return result sets.

User response: Revise the DDL and re-define the stored procedure by specifying the correct number of result sets.

0x00570121 (5701921) The VSAM environment ended.

Explanation: The VSAM service is not available because it was never started, it was shut down, or is being shut down.

User response: Verify that the VSAM service is accessible, and try again.

0x00570122 (5701922) The VSAM environment did not initialize correctly.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570123 (5701923) The VSAM environment was corrupted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570124 (5701924) The virtual communications registration call failed in the VSAM connector.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570125 (5701925) The virtual communications open call failed in the VSAM connector.

Explanation: The VSAM connector tried to connect to the VSAM service, but was not successful.

User response: Verify that the VSAM service is running and try again.

0x00570126 (5701926) Waiting for an open or close command to run caused the session to time out.

Explanation: A message was sent to the VSAM service, and no response was returned.

User response: Recycle the VSAM service.

0x00570127 (5701927) VSAM connector received an incorrect message.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570128 (5701928) The virtual communications get call failed in the VSAM connector.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570129 (5701929) The virtual communications put call failed in the VSAM connector.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057012A (5701930) The requested storage could not be obtained.

Explanation: Control blocks were not allocated because of a lack of storage.

User response: Restart using a larger value for the REGION parameter.

0x00570170 (5702000) The fragment was not found.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570171 (5702001) An INSERT for the table definition must be performed before columns or fragments can be inserted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570172 (5702002) It is not possible to insert a column or fragment for a different table name than the name that was identified when the table was inserted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570173 (5702003) A key for a different index name than was identified when the index was inserted cannot be inserted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570174 (5702004) A fragment with a fragment identifier that is greater than the number of fragments that are identified in the table definition can not be inserted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570175 (5702005) A column with a COLNO that is greater than the number of columns identified in the table definition cannot be inserted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570176 (5702006) A key with a COLNO that is greater than the number of keys identified in the index definition cannot be inserted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570177 (5702007) A table with no columns cannot be defined. At least one column must be defined.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570178 (5702008) An attempt was made to define a table with no fragments. At least one fragment must be defined.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570179 (5702009) An attempt was made to define an index with no keys. At least one key must be defined.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057017A (5702010) The COLNO and COLUMN_SEQUENCE_NUMBER definitions for a column are not consistent. COLUMN_SEQUENCE_NUMBER must be 1 greater than COLNO.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057017C (5702012) An incorrect value was supplied for the DYNAMIC_ALLOCATION column.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057017D (5702013) An incorrect value was supplied for the FILE_ORGANIZATION column.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057017E (5702014) An incorrect value was supplied for the SIGNED column.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057017F (5702015) An incorrect value was supplied for the NULL column.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570180 (5702016) An incorrect value was supplied for the DBNAME column.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570181 (5702017) An incorrect value was supplied for the DBMS column.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570182 (5702018) An incorrect value was supplied for the COLTYPE column.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570183 (5702019) An incorrect value was supplied for the NATIVE_DATA_TYPE column.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570184 (5702020) An incorrect value was supplied for the DB2_DATA_TYPE column.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570185 (5702021) The value that was supplied for the NULLABLE column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570186 (5702022) The value that was supplied for the FILE_ORGANIZATION column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570187 (5702023) The value that was supplied for the CLUSTER_TYPE column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570188 (5702024) The value that was supplied for the UNIQUERULE column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570189 (5702025) The value that was supplied for the ORDERING column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057018A (5702026) The value that was supplied for the DBD_TYPE column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057018B (5702027) The value that was supplied for the FIELD_TYPE column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057018C (5702028) The value that was supplied for the XDFLD_IN_RECORD column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057018D (5702029) The value that was supplied for the IMS_FIELD_TYPE column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057018E (5702030) The value that was supplied for the IDMS_VARIABLE_LENGTH column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0057018F (5702031) The value that was supplied for the IDMS_ACCESS_METHOD column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570190 (5702032) The value that was supplied for the SET_TYPE column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570191 (5702033) The value that was supplied for the TARGET_IS_OWNER column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570192 (5702034) The value that was supplied for the AREA_NAME column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570193 (5702035) The value that was supplied for the CALC_KEY column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570194 (5702036) The value that was supplied for the `DEPENDING_ON` column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570195 (5702037) The value that was supplied for the `RECORD_NAME` column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00570196 (5702038) The value that was supplied for the `INDEX_NAME` column was incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Microsoft Windows (0x005ennnn)

Errors related to components running on Microsoft Windows.

0x005E0001 (6160385) Memory allocation failed on the Windows workstation.

Explanation: A request to allocate memory from the Microsoft Windows message pool failed. The message pool is too small.

User response: Run the IBM Classic ODBC Administrator and increase the `MESSAGE POOL SIZE` by at least 2 megabytes. Then, rerun the query.

Connection handler (0x0063nnnn)

Errors related to processing connection requests to a Classic data server.

0x00630008 (6488072) The task identifier was not found.

Explanation: This is an internal error. The connection handler stopped.

User response: No action is required.

0x0063000E (6488078) Another query processor could not be started.

User response: Increase the number of query processors that can be started.

0x00630009 (6488073) Configuration information was not found.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0063000F (6488079) A routing error occurred.

User response: Contact IBM Software Support.

0x0063000A (6488074) The memory was not allocated.

User response: Increase the `MESSAGE POOL SIZE`.

0x00630010 (6488080) All query processors are busy or at the configured limit.

User response: Increase the number of query processors that can be started.

0x0063000B (6488075) No sessions are available.

User response: Increase the maximum number of sessions on the SIE definition.

0x00630011 (6488081) SERVICE INFO ENTRY is NULL.

Explanation: This is an internal error. The connection handler has terminated.

User response: Contact IBM Software Support.

0x0063000C (6488076) The data source is not defined.

User response: Supply a valid data source name.

0x00630012 (6488082) Invalid service queue:
service-class.

Explanation: The connection handler could not identify the service queue to forward a message to for the service class *service-class*.

0x0063000D (6488077) All query processors are busy or at the configured limit.

User response: Increase the number of query processors that can be started.

User response: If no service of the specified class is configured and running in the data server, start a service of that class and try the operation again. If a service of the specified class is active in the data server,

contact IBM Software Support.

Configuration management (0x0065nnnn)

Errors related to managing the configuration information in a Classic server.

0x00650002 (6619138) The pointer to the configuration structure is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00650003 (6619139) The master configuration member or the configuration file name is missing.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00650005 (6619141) A configuration file name is missing.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00650008 (6619144) The pointer to the vector table is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00650009 (6619145) Resources are not available.

Explanation: There is no memory.

User response: Increase the value of the MESSAGE POOL SIZE configuration parameter.

0x0065000A (6619146) Errors were found in the configuration.

User response: Check the configuration file.

Virtual messaging interface (0x0066nnnn)

Errors related to processing requests from the virtual messaging interface in the Classic virtual host services layer.

0x00660002 (6684674) In the virtual message interface, the second parameter is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00660003 (6684675) In the virtual message interface, the third parameter is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00660004 (6684676) In the virtual message interface, the fourth parameter is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00660005 (6684677) In the virtual message interface, the fifth parameter is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00660006 (6684678) In the virtual message interface, the sixth parameter is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00660007 (6684679) In the virtual message interface, the seventh parameter is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00660009 (6684681) The memory was not allocated.

User response: Increase the Message Pool Size.

0x0066000B (6684683) A corrupted message was received.

Explanation: The message is corrupt. There is a possible network problem or internal error. It is also possible that a system other than the IBM WebSphere Classic product that you are using might have corrupted the message.

User response: No action is required.

Local queue protocol (0x0067nnnn)

Errors related to the local queue protocol in the Classic virtual host services layer.

0x00670001 (6750209) The pointer to the service control block is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00670002 (6750210) The pointer to the command structure is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00670003 (6750211) The pointer to the session control block is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00670004 (6750212) The pointer to the memory management function is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00670007 (6750215) The in-bound session table is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0067000A (6750218) No resources are available.

User response: Contact IBM Software Support.

0x0067000B (6750219) No sessions are available.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0067000C (6750220) No services are available.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00670012 (6750226) The local queue message exceeds the buffer.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00670013 (6750227) Data was not received from the local queue.

Explanation: The session with the partner was lost.

User response: Try the session again.

0x00670014 (6750228) The local queue was not sent.

Explanation: The session with the partner was lost.

User response: Try the session again.

TCP/IP SKT protocol (0x0068nnnn)

Errors related to the TCP/IP SKT protocol in the Classic virtual host services layer.

0x0068000A (6815754) The memory was not allocated.

User response: Increase the MESSAGE POOL SIZE for the failing component. z/OS components might also need to increase their region size.

See the description of the MESSAGE POOL SIZE parameter in the documentation for IBM WebSphere Classic Federation Server for z/OS for more information about this parameters and related parameters.

0x0068000C (6815756) No services are available.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068000D (6815757) The port number or name is incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068000E (6815758) The IP address or host name is incorrect.

Explanation: The IP address or host name is incorrect.

User response: Specify a valid IP address or host name.

0x0068000F (6815759) The socket is incorrect.

Explanation: The IP address could not find a port.

User response: Find a correct socket.

0x00680010 (6815760) The TCP/IP connection failed.

User response: Ensure that the IP address and port number specified are correct for the remote data server. Ensure that the data server is active.

0x00680011 (6815761) Setting socket options could not be completed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680012 (6815762) The socket was not bound.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680013 (6815763) The socketListen operation failed.

Explanation: The port is already in use.

User response: Use a different port, or wait until the port is free and try again.

0x00680014 (6815764) The socketAccept operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680015 (6815765) The socketSelect operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680016 (6815766) The TCP/IP message is larger than the buffer.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680017 (6815767) The socketReceive operation could not be completed.

Explanation: There was an unexpected session outage.

User response: Try the session again.

0x00680018 (6815768) The socketSend operation failed.

Explanation: The session was not available when the data was sent. There was probably a session outage.

User response: Check the target replication server job

log and the z/OS system log for error(s) which may have led to this message. If no cause can be found, contact IBM Software Support.

0x00680019 (6815769) No socket is identified.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068001A (6815770) The take socket operation could not be completed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068001B (6815771) The give socket operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068001C (6815772) TCP/IP asynchronous operations are not supported.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068001d (6815773) The close socket operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068001e (6815774) The GetClientId operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068001f (6815775) An Asyncio operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680021 (6815777) The socket interface module could not be loaded.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680022 (6815778) The IP address or host name is incorrect.

Explanation: The IP address or host name is incorrect.

0x00680023 (6815779) • 0x00680033 (6815795)

User response: Specify a correct IP address or host name.

0x00680023 (6815779) The socketAccept operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680024 (6815780) The socketBind operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680025 (6815781) The socketClose operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680026 (6815782) The socketConnect operation failed.

User response: Ensure that the IP address and port number that were specified are correct for the remote data server, and ensure that the data server is active.

0x00680027 (6815783) The client identifier could not be obtained.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680028 (6815784) A host name could not be obtained.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680029 (6815785) The give socket operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068002A (6815786) The socket interface could not be initialized.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068002B (6815787) The socket ioctl system call failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068002C (6815788) A socketListen operation failed.

Explanation: The port is already in use.

User response: Use a different port or wait until the port is free.

0x0068002D (6815789) The socketRead operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068002E (6815790) The socketSelect operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0068002F (6815791) The socketSelect operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680030 (6815792) The setsocketOption operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680031 (6815793) The createSocket operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680032 (6815794) The take socket operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00680033 (6815795) The socket write operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Virtual communications interface (VCI) (0x0069nnnn)

Errors related to the VCI layer that sits on top of all communication protocols in the Classic virtual host services layer (for example, DSQ, LCL, MQI, and SKT).

0x00690002 (6881282) In the virtual communications interface, the second parameter is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00690003 (6881283) In the virtual communications interface, the third parameter is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00690004 (6881284) In the virtual communications interface, the fourth parameter is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00690005 (6881285) In the virtual communications interface, the fifth parameter is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00690006 (6881286) In the virtual communications interface, the sixth parameter is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00690008 (6881288) The vector table is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00690009 (6881289) The communications protocol is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0069000A (6881290) No resources are available.

Explanation: There is no memory.

User response: Free some memory and retry.

0x0069000B (6881291) The session limit was exceeded.

User response: In the service information entry, increase the number of sessions.

0x0069000C (6881292) No services are available.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0069000D (6881293) No protocol layer was found.

User response: Check the configuration on the load module.

0x0069000E (6881294) The transport module failed to load.

Explanation: No protocol layer was found.

User response: Check the configuration on the load module.

0x0069000F (6881295) The transport module failed to map.

Explanation: The load module is not valid.

User response: Specify a valid load module.

0x00690010 (6881296) The destination could not be contacted.

User response: Contact IBM Software Support.

0x00690012 (6881298) Attach of CECVTCB failed.

Explanation: While establishing a virtual communications interface (VCI) link, a request to attach the CECVTCB program failed

User response: Verify that the CECVTCB program is available in the load library concatenation. Verify that sufficient storage is available for the data server address space.

0x00690013 (6881299) Detached task address is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00690014 (6881300) VCI detached task unexpectedly stopped.

Explanation: A virtual communications interface (VCI)

0x00690015 (6881301) • 0x006a0074 (6946932)

support task has stopped prematurely.

User response: Review the diagnostic logs, job logs, and system logs for information about the cause of failure.

0x00690015 (6881301) VCI detached task did not respond.

Explanation: A virtual communications interface (VCI) support task has failed to respond.

User response: Review the diagnostic logs, job logs, and system logs for information about the cause of failure.

0x00690016 (6881302) VCI service control block address is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00690017 (6881303) VCI function address is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00690018 (6881304) VCI task element address is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

z/OS components (0x006annnn)

Errors related to components running on z/OS.

0x006A004E (6946894) There is insufficient memory.

Explanation: An attempt to allocate memory failed. The server, enterprise server, or z/OS local client application needs more memory. The amount of memory that is available for use by the data and enterprise servers is controlled with the MESSAGE POOL SIZE parameter in the Master Configuration Member for the data server or enterprise server. For local z/OS client applications, the amount of memory that is available is also controlled by the MESSAGE POOL SIZE in the client configuration file.

User response: See the MESSAGE POOL SIZE parameter definition in the documentation for IBM WebSphere Classic Federation Server for z/OS for more information about the MESSAGE POOL SIZE parameter and how it relates to the total amount of memory that is available to the server, enterprise server, or local z/OS client application. For z/OS, the total memory that is available is controlled by the REGION size in the JCL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x006a006f (6946927) Invalid storage key specified.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x006a0070 (6946928) Invalid storage length specified.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x006a0071 (6946929) Invalid storage address specified.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x006a0072 (6946930) Invalid execution key specified.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x006a0073 (6946931) SRB scheduling error occurred.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x006a0074 (6946932) The SRB ended in error.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x006a006c (6946924) STORAGE OBTAIN request failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x006a006d (6946925) STORAGE RELEASE request failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x006a006e (6946926) Invalid subpool specified.

ICU/NLS (0x006fnnnn)

Errors related to ICU/NLS character set encoding and decoding.

0x006F0001 (7274497) Codepage load could not be completed.**Explanation:** The code page that was specified might not be supported by ICU4C.**User response:** Check the code page configuration for the data server and the client. The data source configuration overrides the ODBC Administrator configuration. The ODBC client might not be installed properly.

or there are characters in the data without equivalent characters in the server code page.

User response: Use a valid code page and ensure that the characters in the data have equivalent characters in the server code page.

0x006F0002 (7274498) String encoding could not be completed.**Explanation:** Either an incorrect code page was used, or there are characters in the data without equivalent characters in the server code page.**User response:** Use a valid code page and ensure that the characters in the data have equivalent characters in the server code page.

0x006F0006 (7274502) The memory was not allocated.**User response:** Increase the Message Pool Size setting in the ODBC Administrator.

0x006F0003 (7274499) String decoding could not be completed.**Explanation:** Either an incorrect code page was used, or there are characters in the data without equivalent characters in the client code page.**User response:** Use a valid code page and ensure that the characters in the data have equivalent characters in the client code page.

0x006F0007 (7274503) The load for ICU DLLs or shared libraries failed.**Explanation:** Dynamic loading of the ICU DLLs or shared libraries failed.**User response:** Ensure that the ODBC or CLI client was installed properly on the system.

0x006F0008 (7274504) Function mapping could not be completed.**Explanation:** The function entry of an ICU function could not be located. This is an internal error.**User response:** Contact IBM Software Support.

0x006F0004 (7274500) Graphic data encoding could not be completed.**Explanation:** Either an incorrect code page was used, or there are characters in the data without equivalent characters in the server code page.**User response:** Use a valid code page and ensure that the characters in the data have equivalent characters in the server code page.

0x006F0009 (7274505) The initialization of the ICU conversion environment could not be completed.**Explanation:** ICU called to initialize the runtime environment.**User response:** Ensure that the ODBC or CLI client was installed on the system properly.

0x006F0005 (7274501) Graphic data decoding could not be completed.**Explanation:** Either an incorrect code page was used,

0x006F000A (7274506) SQL statement encoding could not be completed.**Explanation:** Either an incorrect code page was used or there are characters in the data without equivalent characters in the server code page.**User response:** Use a valid code page and ensure that the characters in the data have equivalent characters in the server code page.

z/OS Workload manager (WLM) exit (0x0070nnnn)

Errors related to the z/OS Workload Manager exit.

0x00700001 (7340033) Error locating task identifier.**Explanation:** This is an internal error.**User response:** Contact IBM Software Support.

0x00700002 (7340034) The SERVICE INFO ENTRY pointer is NULL.**Explanation:** This is an internal error.

0x00700003 (7340035) • 0x00710004 (7405572)

User response: Contact IBM Software Support.

0x00700003 (7340035) The WLM initialization service is already active.

Explanation: The WLM initialization service was started. In the master configuration member, there are duplicate SERVICE INFO ENTRY parameters to activate the WLM initialization service.

User response: Remove the duplicate members and restart the data server.

0x00700004 (7340036) The memory allocation failed for the message buffer.

Explanation: An attempt to allocate memory failed. The data server needs more memory. The amount of memory that is available for use by the data server is

controlled by the MESSAGE POOL SIZE parameter in the data server's Master Configuration Member.

User response: Increase the value of the MESSAGE POOL SIZE parameter.

0x00700005 (7340037) No exit name was supplied on the WLM SERVICE INFO ENTRY parameter.

Explanation: The WLM initialization SERVICE INFO ENTRY parameter is not valid. No exit name is specified.

User response: Correct the WLM SERVICE INFO ENTRY and restart the data server. See the *iiyacs/book_reference* for a description of the parameters that need to be defined in order to activate the WLM Exit.

Dynamic catalog update (0x0071nnnn - 0x0074nnnn)

Errors related to updating the metadata catalog running under the query processor. Generally, these are errors that occur when processing a data definition statement such as CREATE TABLE.

0x00710001 (7405569) The metadata catalog was not initialized.

Explanation: The metadata catalog is empty and was not initialized. An attempt to access the metadata catalog was made, or the catalog initialization and maintenance utility reported the error. The metadata catalog that was referenced by the CACCAT and CACINDX DD statements is empty.

User response: Ensure that the proper metadata catalog is referenced in the JCL.

0x00710002 (7405570) The system-catalog data component was corrupted.

Explanation: The identification record contents of the data component of the metadata catalog are not recognizable. Either massive corruption occurred to the metadata catalog, or the JCL does not reference a legitimate metadata catalog data-component file.

A data server attempted to access the metadata catalog or the catalog initialization and maintenance utility reported the error. When this error is issued from the data server, or when performing a catalog initialization and maintenance utility REPORT function, the system catalog is referenced by the CACCAT and CACINDX DD statements. For all other catalog initialization and maintenance operations, the input metadata catalog is referenced by the INCAT and ININDX DD statements.

User response: Ensure that the proper metadata catalog is referenced in the JCL.

0x00710003 (7405571) The system-catalog index component was corrupted.

Explanation: The identification record content of the index component of the metadata catalog is not recognizable. Either massive corruption occurred to the metadata catalog, or the JCL did not reference a legitimate metadata catalog index component file.

A data server attempted to access the metadata catalog or the catalog initialization and maintenance utility reported the error. When this error is issued from the data server, or when performing a catalog initialization and maintenance utility REPORT function, the system catalog is referenced by the CACCAT and CACINDX DD statements. For all other catalog initialization and maintenance operations, the input metadata catalog is referenced by the INCAT and ININDX DD statements.

User response: Ensure that the proper metadata catalog is referenced in the JCL.

0x00710004 (7405572) The metadata catalog data and index components lost synchronization.

Explanation: The creation or last update timestamps in the data and index components of the metadata catalog do not match. A catalog update operation failed or the JCL references data and index components that belong to different metadata catalogs.

A data server attempted to access the metadata catalog or the catalog initialization and maintenance utility reported the error. When this error is issued from the data server, or when performing a catalog initialization and maintenance utility REPORT function, the metadata catalog is referenced by the CACCAT and

CACINDX DD statements. For all other catalog initialization and maintenance operations, the input metadata catalog is referenced by the INCAT and ININDEX DD statements.

User response: Ensure that the proper metadata catalog is referenced in the JCL.

If the proper metadata catalog was referenced, use the catalog initialization and maintenance utility to produce a summary report. With this report, you can determine whether timestamp synchronization was lost. Re-execute the catalog initialization and maintenance utility with the REORG operation to create a new metadata catalog with synchronized timestamps.

0x00710005 (7405573) The data component of the metadata catalog was truncated.

Explanation: The header record in the index component of the system catalog tracks how much space is used in the data component. An attempt to position the logical end of the data component failed. The data component of the metadata catalog experienced some form of corruption and was truncated.

A data server attempted to access the metadata catalog, or the catalog initialization and maintenance utility reported the error. When this error is issued from the data server, or when performing a catalog initialization and maintenance utility REPORT function, the metadata catalog is referenced by the CACCAT and CACINDX DD statements. For all other catalog initialization and maintenance operations, the input metadata catalog is referenced by the INCAT and ININDEX DD statements.

User response: Using the catalog initialization and maintenance utility, perform a REORG operation on the metadata catalog and create a detailed report to determine what data was lost.

0x00710006 (7405574) The RID is out of range.

Explanation: When accessing the metadata catalog from the data , an incorrect record identifier (RID) was detected in a metadata catalog object. The contents of the metadata catalog were corrupted.

User response: Using the catalog initialization and maintenance utility, perform a REORG operation on the metadata catalog and create a detailed report to determine what data was lost.

0x00710007 (7405575) The metadata catalog interface was not started properly.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00710008 (7405576) A null parameter passed on a catalog interface API call.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00710009 (7405577) The object was not found in the metadata catalog.

Explanation: If the name of a nonexistent table is entered, a -204 SQL error return code is returned.

User response: Contact IBM Software Support.

0x0071000A (7405578) The metadata catalog interface could not allocate the required memory.

User response: Increase the MESSAGE POOL SIZE and retry the operation.

0x0071000B (7405579) The metadata catalog internal handle is incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0071000C (7405580) The program could not seek the disk location of an object in the metadata catalog.

Explanation: A potential run-time corruption in the metadata catalog was detected.

User response: Use member CACCATRP in the SCACSAMP library to run a validation report to initially determine the status of the metadata catalog that is referenced by the CACCAT and CACINDX DD statements.

0x0071000D (7405581) The program could not retrieve the object from the metadata catalog.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0071000E (7405582) The program attempted to seek past the end of the data component.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0071000F (7405583) The program could not write the object to the metadata catalog.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00710010 (7405584) • 0x0071001B (7405595)

0x00710010 (7405584) The program could not read the index component.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00710011 (7405585) The program could not write to the index component.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00710012 (7405586) The program cannot establish a shared read lock on the metadata catalog.

Explanation: A shared read lock was attempted during a catalog update operation.

User response: Retry the operation.

0x00710013 (7405587) The program cannot obtain an exclusive lock on the metadata catalog.

Explanation: The STATIC CATALOGS parameter is set to 1 for a query processor. In this case, a persistent read lock is held on the metadata catalog that prevents it from being updated. A second reason for this error is that another user accessed the metadata catalog when the update was attempted. The metadata catalog is accessed when a statement is prepared, a DDL statement is executed, or a query is issued against a SYSIBM or SYSCAC table definition.

User response: Turn off STATIC CATALOGS to update the metadata catalog. If the lock cannot be obtained, retry the operation.

0x00710014 (7405588) The program could not access the columns that are associated with a table.

Explanation: The metadata catalog is corrupt.

User response: Use the member CACCATRP in the SCACSAMP library to run a validation report to determine the status of the metadata catalogs. Reorganize the metadata catalog to fix the corruption using SCACSAMP member CACCATUT.

0x00710015 (7405589) The program could not access the indexes that are associated with a table.

Explanation: The metadata catalog is corrupt.

User response: Use the member CACCATRP in the SCACSAMP library to run a validation report to determine the status of the metadata catalogs. You will need to reorganize the metadata catalog to fix up the

corruption using the SCACSAMP member, CACCATUT.

0x00710016 (7405590) The program could not access the fragments that are associated with a table.

Explanation: The metadata catalog is corrupt.

User response: Use the member CACCATRP in the SCACSAMP library to run a validation report to determine the status of the metadata catalogs. Reorganize the metadata catalog to fix the corruption using the SCACSAMP member, CACCATUT.

0x00710017 (7405591) The program could not access the dependent view information.

Explanation: The metadata catalog is corrupt.

User response: Use the member CACCATRP in the SCACSAMP library to run a validation report to determine the status of the metadata catalogs. Reorganize the metadata catalog to fix up the corruption using the SCACSAMP member, CACCATUT.

0x00710018 (7405592) The table or view that is referenced by a view does not exist in the metadata catalog.

Explanation: The metadata catalog is corrupt.

User response: Use the member CACCATRP in the SCACSAMP library to run a validation report to determine the status of the metadata catalogs. Reorganize the metadata catalog to fix up the corruption using the SCACSAMP member, CACCATUT.

0x00710019 (7405593) The name that is specified in a DROP VIEW statement is a table.

Explanation: You cannot issue a DROP VIEW statement that references a table.

User response: Correct the statement and resubmit.

0x0071001A (7405594) You cannot create an index on a view.

Explanation: The statement cannot be processed.

User response: Retry a valid statement.

0x0071001B (7405595) You cannot drop a system object.

Explanation: The statement cannot be processed.

User response: Retry a valid statement.

0x0071001C (7405596) A stored procedure must have parameters.

Explanation: The statement cannot be processed.

User response: Define at least one parameter on the CREATE PROCEDURE statement.

0x0071001D (7405597) An attempt to open a non-system table was made.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0071001E (7405598) You cannot create or generate a catalog object with an owner of SYSIBM or SYSCAC.

Explanation: This error message is issued when an attempt it made to create or generate DDL for a catalog object with an owner of SYSIBM or SYSCAC when that is not allowed

User response: Change the owner name to a value other than SYSIBM or SYSCAC, and resubmit the statement.

0x0071001F (7405599) System objectobject-name not found. The object must be added to the catalog using the catalog maintenance utility.

Explanation: This message is issued when you attempt to access a system object that was not added to the metadata catalog.

User response: You must add the system object to the metadata catalog by using the catalog initialization and maintenance utility (CACCATUT). Shut down the data server, run the catalog initialization and maintenance utility with the METALOAD command (see sample CACCATMD), and restart the data server.

0x00710020 (7405600) The SQLDA pointer is NULL. The run-time environment was corrupted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00710021 (7405601) The result set could not be created.

Explanation: The Adabas discovery stored procedure attempted to create a result set. The return code that was returned by the routine and used to create the result set is included with this message text in the data server log. The return code identifies another Classic system error code.

User response: Find the appropriate error message. If

the return code is related to a B-tree error, there are problems with the LD TEMP SPACE parameter. For all other error codes, contact IBM Software Support.

0x00710022 (7405602) A row could not be inserted in the result set.

Explanation: The Adabas discovery stored procedure attempted to insert a row in the result set. The return code from the routine that created the result set is included with this message text in the data server log. The return code identifies another Classic system error code.

User response: Find the appropriate error message. If the return code is related to a B-tree error, there are problems with the LD TEMP SPACE parameter. For all other error codes, contact IBM Software Support.

0x00710200 (7406080) The ISN for Predict view *view-name* was not found in the Predict-system dictionary file *Predict-file-number*.

Explanation: An unknown condition was found during an attempt to locate the ISN of the record for the Predict view name. This name is identified by *view-name* in the Predict system dictionary. This dictionary is identified by *Predict-file-number*. The *view-name* was identified as a valid view name.

User response: Verify that the information that was supplied is correct and that the Predict system dictionary is valid.

0x00710201 (7406081) The DBID for the Adabas file number *file-number*, identified by the Predict view name *view-name*, in the Predict-system dictionary file identified by the *Predict-file-number* was not found.

Explanation: An unknown condition was found during an attempt to locate the DBID of the record for the Predict view name. This name is identified by *view-name* in the Predict system dictionary. This dictionary is identified by *Predict-file-number*. The *view-name* was identified as a valid view name.

User response: Verify that the information that is supplied is correct and that the Predict system dictionary is valid.

0x00710202 (7406082) The Predict-field definitions were not found for the Predict-view name *view-name* in the Predict-system dictionary file *Predict-file-number*.

Explanation: An attempt to retrieve Predict field definitions reported a not-found condition. The *view-name* was identified as a valid view name.

User response: Verify that the information that is

supplied is correct and that the Predict system dictionary is valid.

0x00710203 (7406083) The SDT definition was not found for the field name *Adabas-field-name*.

Explanation: The Adabas-field-name that is referenced in an Adabas superdescriptor could not be located in the FDT definition.

User response: Verify that the Adabas FDT definition is valid.

0x00710300 (7406336) The load failed for the CA-DATACOM/DB DSF interface module, CACDCDDC.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00710301 (7406337) Opening the DDIDENT DD statement was unsuccessful. The error return code and reason codes are *(return-code, reason-code)*.

Explanation: An attempt to open the file associated with the DDIDENT DD statement could not be completed.

User response: Ensure that a DDIDENT DD statement exists in the data server JCL. Inspect the data server JES output for associated operating system WTO messages.

0x00710302 (7406338) The program could not read the file that was referenced by the DDIDENT DD statement. The error return code and reason codes are *(return-code, reason-code)*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00710303 (7406339) The USER keyword was not found in the file that was referenced by the DDIDENT DD statement.

Explanation: The CA-DATACOM/DB DSF user ID information is specified using the USER keyword in the file that is referenced by the DDIDENT DD statement. The USER keyword cannot be located.

User response: Update the file that is referenced by the DDIDENT DD statement and provide valid DSF user ID and password information.

0x00710304 (7406340) The PASSWORD keyword was not found in the file that was referenced by the DDIDENT DD statement.

Explanation: The CA-DATACOM/DB DSF password information is specified using the PASSWORD keyword in the file that is referenced by the DDIDENT DD statement. The PASSWORD keyword cannot be located.

User response: Update the file that is referenced by the DDIDENT DD statement and provide valid DSF user ID and password information.

0x00710305 (7406341) The DSF command *'command-name'* using the qualifier *'qualifier'* was not successful. The DSF RETURN-IND value is *'value'*.

Explanation: A CA-DATACOM/DB DSF command was issued. The DSF command is identified by *command-name* using the qualifier identified by *qualifier*. *Value* identifies the DSF RETURN-IND information that was returned in the DSF user request area.

User response: Refer to the *CA-DATACOM/DB(R) DFS Programmers Guide* manual for an explanation of the error and corrective actions.

0x00710400 (7406592) The DDName *DD-name* is pointing to a USS path that starts with *'partial-USS-path-name~...'*. This path name is too long. Classic only supports a maximum number of *maximum-path-name-length* characters.

Explanation: Classic can only support USS path names as long as specified in the message.

User response: Please work around this problem by specifying an alternate path name meeting the length restriction described in the message.

0x00710401 (7406593) A metadata catalog operation did not succeed because there is not enough space left on the file system. The space remaining is *space-remaining* bytes and the minimum space required is *space-required* bytes.

Explanation: A metadata catalog operation (for example, to create a table) did not succeed because there is not enough space left on the file system. The message text indicates the space remaining and the minimum space required.

User response: Contact your system administrator for the Classic data server to ensure that the file system has enough space left for the catalog objects you wish to create. The CACCAT and CACINDX DD names of the Classic data server job point to the file system.

You can estimate the total size of the metadata catalog. See the topic about estimating the size of the metadata

catalog in the product documentation (Reference > Utilities reference > The catalog initialization and maintenance utility (CACCATUT) > Estimating the size of the metadata catalog).

0x00710600 (7407104) The DBDLIB DD statement is missing.

Explanation: For IMS verification purposes, a DBDLIB DD statement must exist in the data server JCL that references the DBD load library.

User response: Add a DBDLIB DD statement and recycle the server before attempting to run a CREATE TABLE statement that references an IMS data source.

0x00710601 (7407105) An internal error was reported when attempting to load the DBD-name. The error was reported from macro-name. Return and reason codes are (return-code, reason-code).

Explanation: An attempt to load the DBD *DBD-name* stopped unexpectedly.

User response: Contact IBM Software Support and supply them with the macro-name, return-code, and reason-code information that is displayed in the message.

0x00710602 (7407106) An incorrect DBD load module was detected for DBD DBD-name.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00710700 (7407360) A CICS error was reported when issuing the INQUIRE/SET CICS commands for the file DD-name by the CICS subsystem ,CICS-LU-name. CICS return code values : RESP(response-code), RESP2(response-code2).

Explanation: The CICS INQUIRE command failed or the CICS INQUIRE command indicated that the CICS file that is identified by *DD-name* was not open and an error was reported when the CICS commands were issued to enable and open the file. The CICS subsystem that reported the error is identified by *CICS-LU-name*. The response-code and response-code2 values identify the error that was reported by CICS.

User response: Ensure that the file was properly defined to CICS. The JESMSGLG and MSGUSR datasets in the CICS subsystem where the error occurred must have additional messages to assist in problem identification.

0x00710701 (7407361) An unexpected response was received from the CICS subsystem CICS-LU-name. The return code information is (return-code, general-return-code, special-return-code). The Buffer length that was expected was expected-length and the length that was received was received-length.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00710702 (7407362) An unexpected error occurred when acquiring the LU for CICS communications.

Explanation: An attempt to establish communications to CICS when validating a CREATE TABLE statement for a VSAM file that was defined to CICS caused an unexpected result.

User response: Refer to the data server log for additional information. Correct any CICS communication problems, and submit the CREATE TABLE statement again.

0x00720001 (7471105) A PRIMARY KEY overlap condition was detected for the column column-name.

Explanation: An overlap condition was detected for *column-name*. The column represents a redefinition of one of the previous columns that was identified in the PRIMARY KEY clause. This error is reported when the externally specified or internally computed starting position or ending position coincides with the starting and ending positions of another column that has been identified as a column that makes up the tables primary key.

A common example of this type of error is when you map a composite name, and you have a column that references the full name and additional columns that reference the last name, first name and middle initial components of the full name. This error is issued if you identify the full name and any one of the component columns as part of the primary key.

User response: Remove the overlapping column from the PRIMARY Key definition.

0x00720002 (7471106) An OFFSET value of relative-offset is out-of-bounds for the column column-name. The maximum permissible OFFSET value is maximum-value.

Explanation: The relative-offset specified on the OFFSET clause is invalid for *column-name*. The relative-offset value is larger than the size of the object that the column resides in. The size and thus maximum value that can be specified for the relative-offset is

identified by *maximum-value*.

User response: Supply a valid starting offset for the column.

0x00720003 (7471107) The LENGTH value, length in combination with OFFSET of relative-offset, is out-of-bounds for the column column. The length plus relative-offset cannot evaluate to a value greater than maximum-value.

Explanation: The computed ending offset for *column-name* based on the relative-offset and length values specified extend past the end of the object that the column resides in. The size of the object is identified by *maximum-value*.

User response: Supply a starting offset and length whereby the computed ending offset is valid for the column.

0x00720004 (7471108) The LENGTH value length is inconsistent with the column DECIMAL precision, precision or the scale of scale for the column name column-name, or both.

Explanation: The physical length of the column does not match the column's computed physical length based on the values specified in the USE AS clause for a DECIMAL data type.

User response: Provide DECIMAL precision and scale information that is compatible with the column's physical length or adjust the LENGTH value to match the columns precisions or scale.

0x00720005 (7471109) The LENGTH value length is inconsistent with the column data-type-name length of length for column column-name.

Explanation: Differences between the value supplied on the LENGTH clause and the length specified on the USE AS clause for VARCHAR and VARGRAPHIC datatypes is used to identify how to interpret the contents of the length attribute. The differences in the two lengths specified are invalid.

User response: Review the documentation for specifying lengths on varying-length columns to account for the differences that can exist in the length attribute. Update the column lengths to valid values that correspond to the length attribute for the column.

0x00720009 (7471113) The OFFSET relative-offset is out-of-bounds for the record array BEGINLEVEL number level-number. The maximum permissible OFFSET value is maximum-value.

Explanation: The *relative-offset* specified on the

OFFSET clause for the record array definition with a BEGINLEVEL number of *level-number* is not valid. The *relative-offset* value is larger than the size of the object that the record array resides in. The size and thus maximum value that can be specified for the relative-offset is identified by *maximum-value*.

User response: Supply a valid starting offset for the record array definition.

0x0072000A (7471114) Adding LENGTH occurrence-length to OFFSET relative-offset, and multiplying the by maximum-occurrences (which is the maximum number of times that the record array can occur), results in a value that is too high for the record-array definition that is identified with BEGINLEVEL level-number. This value cannot be greater than maximum-value.

Explanation: The computed ending offset of the record array extends past the end of the object that the record array resides in. The ending offset was computed by multiplying the *occurrence-length* by the maximum number of times the record array can repeat (*maximum-occurrences*) and added to the starting relative-offset of the record array. The computed value extends past the maximum size of the owning object identified by *maximum-value*.

User response: Reduce the number of times the record array can repeat and ensure that the starting offset and length of each occurrence is correct.

0x0072000B (7471115) The DEPENDING ON column column-name, used as the control column for a record array, causes an error.

Explanation: The SQL data type of the controlling column for a record array must contain an integer value. The SQL data type for the DEPENDING ON column identified by *column-name* does not have an SQL data type of SMALLINT, INTEGER or DECIMAL which are the only types supported.

User response: Assign a valid SQL data type to the record arrays control column.

0x0072000C (7471116) The column column-name used in an index definition, causes an error. The column is not part of the database key.

Explanation: The column that is identified by *column-name* does not map to the underlying database key for the index definition that is being created. In the CREATE INDEX statement, only columns that map to the target database key can be defined as key columns.

User response: Correct the CREATE INDEX statement and resubmit it.

0x0072000D (7471117) The column *column-name1* overlaps *column-name2* and cannot be used in an index definition.

Explanation: The column that is identified by *column-name1* overlaps and represents a redefinition of one of the other key columns (identified by *column-name2*) in the index definition. Columns cannot overlap in an index definition.

User response: Correct the CREATE INDEX statement and resubmit it.

0x0072000E (7471118) The column *column-name*, with an SQL data type of *data type* that is referenced in an index definition, causes an error.

Explanation: The column that is identified by *column-name* has an SQL data type that is not supported on the CREATE INDEX statement for the type of database that the table references. See the documentation for the rules on which SQL data type can be referenced in the CREATE INDEX statement for the type of database that the table supports.

User response: Correct the CREATE INDEX statement and resubmit it.

0x0072000F (7471119) The index definition is incomplete. The missing columns are after the column *column-name*.

Explanation: In an index, column names must be specified that map to the entire contents of the database's key. This error message is issued when there are holes in the column name list and part of the key is not mapped, or when names are left off of the end of the column name list.

User response: Correct the CREATE INDEX statement and resubmit it.

0x00720010 (7471120) Data capture is not supported for the type of database that the table definition references, which causes an error.

Explanation: An attempt was made to turn on data capture for a table that references a DB2 table or a sequential file. Change capture is not supported for tables that are mapped against these data sources.

User response: See the documentation for IBM WebSphere Classic Data Event Publisher for z/OS and IBM WebSphere Classic Replication Server for z/OS to find out which data sources are supported for change capture.

0x00720011 (7471121) Data capture is not supported for tables that contain record arrays, which causes an error.

Explanation: An attempt was made to turn on data capture for a table that contains one or more record array definitions. Data capture is not supported for tables that contain record arrays.

User response: Delete the record array definition before attempting turn data capture on for the table.

0x00720012 (7471122) Data capture is not supported for the tables that contain columns that use field procedures.

Explanation: An attempt was made to turn on data capture for a table that contains one or more columns that have field procedures associated with them. Data capture is not supported for tables that contain columns with field procedures.

User response: Remove the field procedure information before attempting turn data capture on for the table.

0x00720013 (7471123) The view that is specified in the ALTER statement references more than one table.

Explanation: An attempt was made to alter a view for DATA CAPTURE. The ALTER statement failed because the view references more than one table in either the FROM clause or as a sub-select in the WHERE clause.

User response: Check the contents of the view text and remove any references to tables other than the primary table in the FROM clause. If the view is needed for purposes other than data capture, create a new view for data capture that includes only one target table.

0x00720014 (7471124) The view that is specified in an ALTER statement references another view.

Explanation: An attempt was made to alter a view for DATA CAPTURE. The ALTER statement failed because the SYSTABLES name that is referenced in the FROM clause is a view in the system catalog.

User response: Check the contents of the view text and change the SYSTABLES name that is referenced in the FROM clause to be a table and not a view. If the view is needed for purposes other than data capture, create a new view for data capture that references a table in the FROM clause.

0x00720015 (7471125) The view that is specified in an ALTER statement has a select list that is not 'SELECT *'.

Explanation: An attempt was made to alter a view for DATA CAPTURE. The ALTER statement failed because the columns or expressions in the selection list was not 'SELECT *'.

User response: Check the contents of the view text and change the select expression to 'SELECT *'. If the view is needed for purposes other than data capture, create a new view for data capture with a select expression of 'SELECT *'.

0x00720016 (7471126) Data capture is not supported for tables that contain a record exit, which causes an error.

Explanation: An attempt was made to turn on data capture for a table that contains a record exit. Data capture is not supported for tables that contain a record exit.

User response: Remove the record exit information before attempting turn data capture on for the table.

0x00720017 (7471127) Data capture is not supported for system tables, which causes an error.

Explanation: An attempt was made to turn on data capture for a system table. Data capture is not supported for system tables.

User response: Do not attempt to turn data capture on a system table.

0x00720200 (7471616) The Adabas file number *file-number* does not exist in the database *database-identifier*, which causes an error.

Explanation: An attempt to retrieve FDT information for the Adabas file number identified by *file-number* in database *database-identifier* reported a "not found" error.

User response: Ensure that the proper Adabas file number and database identifier are specified.

0x00720201 (7471617) The Adabas field name *Adabas-field-name* does not exist, which causes an error.

Explanation: An Adabas column definition references a nonexistent Adabas field name.

User response: Correct the column definition an reference a valid Adabas field name.

0x00720202 (7471618) The column *column-name* has an incorrect SQL data type for a reference in the ISN field, which causes an error. These types of columns must specify USE AS INTEGER.

Explanation: The column that is identified by *column-name* specified an Adabas-field-name of ISN that identifies the column that is referencing the Adabas ISN that is associated with the table. These kinds of columns must be defined as an INTEGER SQL data type.

User response: Correct the column definition by specifying USE AS INTEGER.

0x00720203 (7471619) The NULL IS clause is specified for the column *column-name*, which causes an error.

Explanation: The column that is identified by *column-name* contains a NULL IS clause. However, the NC option is active for the Adabas field that is associated with the column. That is, the column already supports null processing.

User response: Remove the NULL IS clause.

0x00720204 (7471620) The Adabas record-array definition, identified with the level number *level-number*, is attempting to define a record array that is three-levels deep.

Explanation: The Adabas record-array definition *level-number* can be nested only two levels deep. The table cannot be created.

User response: Delete the record array definition that is identified by *level-number*.

0x00720205 (7471621) The record array definitions are not allowed when an Adabas table contains variable-length columns.

Explanation: The Adabas table contains one or more columns that are defined using a VARCHAR or LONG VARCHAR data type. Record arrays are not supported when one of these varying length data types exists in the table.

User response: If you want to define a record array in the table, you must remove or change the data types of all varying length columns.

0x00720206 (7471622) A PREDICT VIEW name or Adabas file number input parameter must be supplied.

Explanation: When invoking the Adabas FDT discovery stored procedure, you must supply either a Predict view name or an Adabas file number.

User response: Specify either a Predict view name (if a Predict definition exists for the Adabas file that you want information for) or the Predict file number that you want to obtain information for.

0x00720207 (7471623) You must specify a Predict file number when you specify a Predict view.

Explanation: When you invoke the Adabas FDT discovery stored procedure and you supply a Predict view name, you must also identify the file number where the Predict system dictionary is defined.

0x00720208 (7471624) The Predict-system dictionary-file number *Predict-file-number* does not exist, which causes an error.

Explanation: Adabas reported that the Predict system dictionary that is identified by *Predict-file-number* was not found.

User response: Specify the correct file number where the Predict system dictionary is stored.

0x00720209 (7471625) The view name *view-name* does not exist in the file number *Predict-file-number*, which causes an error.

Explanation: The Adabas FDT discovery stored procedure was not able to locate the requested Predict view name (identified by *view-name*) in the Predict system dictionary identified by *Predict-file-number*.

User response: Ensure that an existing Predict view name is supplied and that the correct file number is specified for the Predict system dictionary.

0x0072020A (7471626) The LENGTH clause must be supplied for the column *column-name*, if not, it causes an error.

Explanation: The column that is identified by *column-name* was identified as a LONG VARCHAR column in the USE AS clause. However, a maximum length for the column was not supplied in the DATAMAP/LENGTH clause.

User response: Provide a length for the column either by specifying a DATAMAP clause with the LENGTH keyword or by using the USE AS VARCHAR(length) syntax to define the column.

0x0072020B (7471627) The column *column-name* contains an unsupported data type or inconsistent mapping based on the Adabas-format type defined for the Adabas field name *Adabas-field-name*.

Explanation: An ALTER TABLE statement to turn on change capture could not be processed. The column that is identified by *column-name* is not supported for

change capture. Either it has an unsupported SQL data type or the SQL data type is inconsistent with the Adabas format type that is assigned to the associated Adabas field (identified by *Adabas-field-name*).

User response: Remove the column from the table definition.

0x0072020C (7471628) The parameter *parameter-name* contains a hexadecimal value that is not valid.

Explanation: A password value contains a non-hexadecimal value. The name of the parameter in error is identified by *parameter-name*. When you use the Adabas discovery stored procedure and when a read password needs to be supplied to access the FDT or Predict files, this password is supplied in DES encrypted in hexadecimal format.

User response: Use the Password Generator Utility to DES encrypt the password before re-invoking the Adabas discovery stored procedure.

0x0072020D A column that references the superdescriptor Adabas field *Adabas-field-name* could not be found, or a column was specified in the CREATE INDEX statement that was not associated with the superdescriptor.

Explanation: A CREATE INDEX statement could not be processed. Either a column associated with an Adabas superdescriptor field (identified by *Adabas-field-name*) could not be found, or the CREATE INDEX statement included a column that is not associated with a superdescriptor.

User response: If the Adabas field options changed since the last table mapping, remap the table to update the catalog information.

Otherwise, verify that a column associated with the superdescriptor is defined and that all columns specified in the CREATE INDEX statement are associated with a superdescriptor. Remap the table and rerun CREATE INDEX.

0x0072020E The column *Column-Name* is associated with a non-descriptor Adabas field *Adabas-Field-Name*.

Explanation: The query processor could not process a CREATE INDEX statement. The column *Column-Name* is associated with an Adabas field (identified by *Adabas-Field-Name*) that is neither a superdescriptor nor a descriptor.

User response: If the Adabas field options have changed since you mapped the table, remap the table to update the catalog information. Alternatively, remove the non-descriptor column from the CREATE

INDEX statement. Rerun the data definition language (DDL).

0x0072020F The column *Column-Name* is associated with a redefined Adabas field *Adabas-Field-Name*.

Explanation: The query processor could not process a CREATE INDEX statement. The column *Column-Name* is associated with a redefined Adabas field (identified by *Adabas-Field-Name*).

User response: Remove the redefined column from the CREATE INDEX statement and rerun the data definition language (DDL).

0x00720210 (7471632) One or more keys for the index, *index-name* are Adabas null suppressed.

Explanation: One or more keys that are listed on a CREATE INDEX statement have an Adabas field definition table definition that defines these corresponding Adabas field as null suppressed. If any of the key columns contain Adabas null values, these rows are not returned by Adabas. This is a feature of Adabas.

User response: This type of index processing is not supported. Remove the CREATE INDEX statement that is causing the error.

0x00720300 (7471872) The CA-DATACOM/DB table *table-entity-name* with the status or version *status-version* was not found.

Explanation: A TBL entity could not be found with the specified name (*table-entity-name*) and status/version identifier (*status-version*).

User response: Specify the name of an existing TBL entity and valid status/version identifier. Also, ensure that the correct System Requirements Table is being used.

0x00720301 (7471873) The CA-DATACOM/DB entity *table-entity-name* is not identified as a table. The ENTITY-TYPE is '*entity-type*.' The table or index cannot be created.

Explanation: The CA-DATACOM/DB DSF reports that the entity that is identified by *table-entity-name* is not a TBL entity-type. The type of entity is identified by *entity-type*. When you create a Classic federation table that references a CA-DATACOM/DB data source, you can reference only TBL entity types.

User response: Specify the name of a valid TBL entity type.

0x00720302 (7471874) The attempt to access area information for the entity *table-entity-name* did not return expected information. The GETPATH command with the qualifier, PATHTAD, after retrieving area information, returned an entity type of '*entity-type*.' The table cannot be created.

Explanation: An attempt to retrieve area information for the CA-DATACOM/DB ENTITY OCCURRENCE that is identified by *table-entity-name* returned information about a different entity type (that is identified by *entity-type*). When you create a Classic federation table, the *table-entity-name* must reference an entity type of TBL that has an ARA associated with it.

User response: Verify the *table-entity-name* and ensure that the correct System Requirements Table is being used.

0x00720303 (7471875) The attempt to access database information for the entity, *table-entity-name* did not return expected information. The GETMORE command, with the qualifier, PATHTAD, returned an entity type of '*entity-type*.' The table cannot be created.

Explanation: An attempt to retrieve table information for the CA-DATACOM/DB ENTITY OCCURRENCE that is identified by *table-entity-name* returned information about a different entity type (that is identified by *entity-type*). When you create a Classic Federation table, the *table-entity-name* must reference an entity-type of TBL that has an ARA associated with it and a single database (BAS) entity associated with it.

User response: Verify the *table-entity-name* and ensure that the correct System Requirements Table is being used.

0x00720304 (7471876) The attempt to access the database information for the entity *table-entity-name* returned multiple BAS entities. The table cannot be created.

Explanation: An attempt to retrieve database information for the CA-DATACOM/DB ENTITY OCCURRENCE that is identified by *table-entity-name* returned information about a different entity type (that is identified by *entity-type*). When you create a Classic Federation table, the *table-entity-name* must reference an entity type of TBL that has an ARA associated with it and a single database (BAS) entity associated with it.

User response: Verify the *table-entity-name* and ensure that the correct System Requirements Table is being used.

0x00720305 (7471877) The incorrect STATUSVERSION, *status-version* was specified.

Explanation: An incorrect CA-DATACOM/DB status/version identifier (*status-version*) was specified. The status/version must be in one of these three formats:

- A three-digit numeric value
- The values TEST, PROD, or HIST
- Either T, P, or H followed by a three-digit number

User response: Specify a valid status/version identifier.

0x00720306 (7471878) The attempt to access element information for the entity, *table-entity-name* did not return the expected information. The GETPATH command with qualifier PATHTE returned an entity type of '*entity-type*.' The table cannot be created.

Explanation: An attempt to retrieve element information for the CA-DATACOM/DB ENTITY OCCURRENCE that is identified by *table-entity-name* returned information about a different entity type (that is identified by *entity-type*).

User response: Ensure that the correct System Requirements Table is being used and that the CA-DATACOM/DB database structure is correct.

0x00720307 (7471879) The attempt to access field information for the entity *table-entity-name* did not return the expected information. The GETPATH command, with the qualifier, PATHTE, returned an entity type of '*entity-type*.' The table cannot be created.

Explanation: An attempt to retrieve field information for the CA-DATACOM/DB ENTITY OCCURRENCE that is identified by *table-entity-name* returned a different entity type (that is identified by *entity-type*).

User response: Ensure that the correct System Requirements Table is being used and that the CA-DATACOM/DB database structure is correct.

0x00720308 (7471880) The column *column-name* does not match any CA-DATACOM/DB element definition. The table cannot be created.

Explanation: The column that is identified by *column-name* does not have OFFSET and LENGTH values that correspond to any CA-DATACOM/DB element definition that is associated with the table.

User response: Ensure that the correct

CA-DATACOM/DB table and status/version are being referenced.

0x00720309 (7471881) The column *column-name* does not match any CA-DATACOM/DB field definition. The table cannot be created.

Explanation: The column that is identified by *column-name* does not have OFFSET and LENGTH values that correspond to the starting offset and length of a CA-DATACOM/DB field definition.

User response: Ensure that the correct CA-DATACOM/DB table and status/version are being referenced.

0x0072030A (7471882) The attempt to access key information for the entity *table-entity-name* did not return the expected information. The DEFPATH command, with the qualifier, PATHKF, returned an entity type of '*entity-type*.' The index cannot be created.

Explanation: An attempt to retrieve key information for the CA-DATACOM/DB ENTITY OCCURRENCE that is identified by *table-entity-name* returned information about a different entity type (that is identified by *entity-type*).

User response: Ensure that the correct System Requirements Table is being used and that the CA-DATACOM/DB database structure is correct.

0x0072030B (7471883) The attempt to access the field information for a CA-DATACOM/DB key definition for the entity *table-entity-name* did not return the expected information. The GETPATH command, with the qualifier, PATHKF, returned an entity type of '*entity-type*.' The index cannot be created.

Explanation: An attempt to retrieve field information for a CA-DATACOM/DB key definition for the CA-DATACOM/DB ENTITY OCCURRENCE that is identified by *table-entity-name* returned information about a different entity type (that is identified by *entity-type*).

User response: Ensure that the correct System Requirements Table is being used and that the CA-DATACOM/DB database structure is correct.

0x0072030C (7471884) The key columns for the index name *index-name* do not correspond to the set of keys that make up any CA-DATACOM/DB index defined for the CA-DATACOM/DB table *table-entity-name*.

User response: Review the CA-DATACOM/DB table

definition and identify the set of columns that correspond to a CA-DATACOM/DB index definition.

0x00720500 (7472384) A Subschema-Name input parameter must be supplied.

Explanation: A valid subschema name must be supplied to the CA-IDMS Punch Schema Report stored procedure.

User response: Ensure that the subschema name is supplied, and re-invoke the CA-IDMS Punch Schema Report stored procedure.

0x00720501 The program was unable to locate the Subschema-Name subschema in the dictionary.

Explanation: A program could not locate the specified subschema in the dictionary.

User response: Verify that the subschema name is correct. Ensure that the subschema exists in the specified database. After verifying or correcting the subschema and database name (if supplied), re-invoke the CA-IDMS Punch Schema Report stored procedure.

0x00720502 (7472386) The CA-IDMS Database name database-name was not found in the SYSTEM dictionary.

Explanation: The specified database name definition could not be found in the SYSTEM dictionary in the CA-IDMS central version to which you are connecting.

User response: Check the following values and resubmit the CREATE TABLE statement.

- The database name
- The load-module-name for the central version that contains the database

0x00720504 (7472388) The CA-IDMS Schema schema-name version schema-version was not found in the dictionary.

Explanation: The combination of the *schema-name* and *schema-version* could not be found in the dictionary.

User response: Check the following values and resubmit the CREATE TABLE statement.

- The *schema-name* and *schema-version*
- The dictionary database that you are connecting to
- The *load-module-name* for the central version that contains the dictionary and schema

0x00720505 (7472389) The CA-IDMS Schema schema-name was not validated or has errors.

Explanation: The specified schema is marked as having errors or could not be validated in the

CA-IDMS dictionary. The catalog cannot be updated without a validated schema

User response: Correct any errors for the subschema and issue the VALIDATE command in the CA-IDMS subschema compiler to ensure that there are no errors. Then, resubmit the CREATE TABLE statement.

0x00720506 (7472390) The CA-IDMS has an incorrect schema version schema-version. The value must be in the range 0 - 9999.

Explanation: The CA-IDMS schema compiler accepts only version numbers in the range 0 – 9999.

User response: Correct the version number and resubmit the CREATE TABLE statement.

0x00720507 (7472391) The CA-IDMS Subschema subschema-name was not found in the dictionary.

Explanation: The subschema could not be found in the dictionary.

User response: Check the following values and resubmit the CREATE TABLE statement.

- The *subschema-name*
- The dictionary database that you are connecting to
- The *load-module-name* for the central version that contains the dictionary and schema

0x00720508 (7472392) The CA-IDMS Subschema subschema-name is not associated with Schemaschema-name version schema-version in the dictionary.

Explanation: A CA-IDMS subschema must be assigned to one and only one schema and version of that schema. This error occurs when the subschema exists in the dictionary, but is not associated with the schema/version specified on the CREATE TABLE statement.

User response: Correct either the subschema schema/version and resubmit the CREATE TABLE statement.

0x00720509 (7472393) The CA-IDMS subschema subschema-name was not validated or has errors.

Explanation: The specified subschema is marked as having errors or could not be validated in the CA-IDMS dictionary. The catalog cannot be updated without a VALIDATED Subschema.

User response: Correct any errors for the subschema and issue the VALIDATE command in the CA-IDMS subschema compiler to ensure that there are no errors. Then, resubmit the CREATE TABLE statement.

0x0072050A (7472394) The CA-IDMS Record *rec-name* on the PATH clause was not defined in the subschema *subschemaname*.

Explanation: A record specified on the PATH statement does not exist in the subschema.

User response: Correct the *rec-name* or subschema information and resubmit the CREATE TABLE statement.

0x0072050B (7472395) The CA-IDMS Record Table exceeded the maximum entries on *rec-name*.

Explanation: The number of records specified on the PATH clause exceeds the maximum number or CA-IDMS records supported in the system tables.

The system tables currently supports only a maximum of 10 records referenced in the PATH clause.

User response: Reduce the number of records in the PATH clause and resubmit the CREATE TABLE statement.

0x0072050C The CA-IDMS PATH clause has an unbalanced record or set definitions.

Explanation: The number of SET statements must be one less than the number of records because the primary record in the PATH cannot contain a SET name.

User response: Correct the PATH clause and resubmit the CREATE TABLE statement.

0x0072050D (7472397) The CA-IDMS Area Table exceeded the maximum entries.

Explanation: The combination of the number of areas needed for the records in the PATH and index sets exceeded the maximum number of CA-IDMS areas supported in the system tables. The system tables currently support a maximum of only 10 records areas. The number of areas needed to execute the PATH is the sum of the following numbers:

- All areas for each record: All areas for each set in the PATH that is an index
- All areas associated with the system owned indexes on the Primary record in the path
- All areas associated with the system owned indexes on the last (target) record in the path
- All areas associated with owner records for sets that the last (target) record is a member of even if not included on the PATH.

User response: Reduce the number of dependent areas and resubmit the CREATE TABLE statement.

0x0072050E (7472398) The CA-IDMS Set Table exceeded the maximum entries on *set-name*.

Explanation: The number of sets specified on the PATH clause exceeds the maximum number or CA-IDMS sets supported in the system tables. The system tables currently support a maximum of only 10 sets referenced in the PATH clause.

User response: Reduce the number of sets/records in the PATH clause and resubmit the CREATE TABLE statement.

0x0072050F (7472399) The CA-IDMS Record *rec-name* was defined as VSAM, but the VSAM type was not specified for the table, *table-name*.

Explanation: The CA-IDMS record definition of the primary record in the PATH clause is VSAM, but no VSAM type was specified on the CREATE TABLE statement.

User response: Correct the CREATE TABLE and resubmit it.

0x00720510 (7472400) The CA-IDMS Record, *rec-name* was defined as VSAM CALC. A VSAM type of RRDS on the table, *table-name* is not supported for the VSAM Calc records.

Explanation: A VSAM type of RRDS was specified on the CREATE TABLE statement but the CA-IDMS record definition is VSAM Calc. Only VSAM types of KSDS or ESDS are valid for VSAM Calc records.

User response: Change the VSAM type on the CREATE TABLE to ESDS or KSDS as appropriate and resubmit the statement.

0x00720511 (7472401) The CA-IDMS Record, *rec-name* was not defined as a VSAM. The VSAM type is not valid for *table-name*.

Explanation: The CA-IDMS record is not defined as a native VSAM record.

User response: Remove the VSAM option from the CREATE TABLE statement and resubmit the statement.

0x00720512 (7472402) The CA-IDMS PATH SET, *set-name* does not include the specified record, *rec-name*.

Explanation: The set name that is included in the PATH clause does not list the record as either a member or owner of that set.

User response: Correct the set, record name, or both and resubmit the CREATE TABLE statement.

0x00720513 (7472403) The program is unable to retrieve the area page range for *area-name*, which is associated with the RRDS VSAM file.

Explanation: The data server was unable to locate an area within the SYSTEM dictionary that matched the area name and DBNAME specified for the RRDS file. This information is required to map RRDS relative record numbers to CA-IDMS database keys. This problem occurs only if there are problems when connecting to the CA-IDMS central version.

User response: See the system log for possible additional information.

0x00720514 (7472404) The CA-IDMS record, *rec-name* on the column SOURCE ENTRY was not defined in PATH.

Explanation: The CA-IDMS record or alias name listed on the column SOURCE ENTRY clause is not included on the PATH clause for the table.

User response: Correct the *rec-name* on the SOURCE ENTRY clause and resubmit the CREATE TABLE statement.

0x00720515 (7472405) The CA-IDMS element *element-name* on the column SOURCE ENTRY was not defined in the *rec-ref-name* record.

Explanation: The CA-IDMS *element-name* that is listed on the column SOURCE ENTRY clause is not included in the *rec-ref-name* schema record definition.

User response: Correct either the *element-name* or *rec-ref-name* on the SOURCE ENTRY clause and resubmit the CREATE TABLE statement.

0x00720517 (7472407) The CA-IDMS incorrect subscript is specified for the element *element-name*.

Explanation: This error can occur for one of the following reasons.

- A subscript that was specified for an element that is not defined is repeating in the specified schema.
- The element is defined as repeating in the specified schema, but no subscript value was specified.
- The element is defined as a single-level repeating element in the specified schema, but multiple subscript positions were specified.
- The element is defined as a multi-level repeating element in the specified schema, but only 1 subscript position was specified.

User response: Correct the subscript information and resubmit the CREATE TABLE statement.

0x00720518 (7472408) The CA-IDMS subscript list on the element, *element-name* cannot contain more than three values.

Explanation: The number of specified subscript values must be less than or equal to 3.

User response: Correct the subscript information and resubmit the CREATE TABLE statement.

0x00720519 (7472409) A CA-IDMS subscript *subscript* is out of the defined range for *element-name*.

Explanation: The subscript value is greater than the CA-IDMS records-occurs value that is specified in the schema.

User response: Correct the subscript information and resubmit the CREATE TABLE statement.

0x0072051A (7472410) No CA-IDMS index was found to match the specified columns.

Explanation: The columns that are listed in the CREATE INDEX statement do not correspond to an existing index that is defined on the CA-IDMS table. Indexes are automatically created on the primary record of a CA-IDMS mapped table for CA-IDMS system-owned indexes. CREATE INDEX statements must reference columns that participate in these predefined indexes. The columns must contain all elements of the key of the existing index or the high order elements of the key.

User response: Correct the columns and resubmit the CREATE INDEX statement.

0x0072051B (7472411) The data capture is not valid for the CA-IDMS table *table-name*. Record *rec-name* is the owner of set *set-name*, not a member.

Explanation: Data capture is supported only for CA-IDMS tables whose PATH contains set relationships that map owner-to-member records from one record to the next in the path.

User response: Correct the original CREATE TABLE PATH information to map just owner-to-member records, and resubmit the ALTER statement.

0x0072051C (7472412) Data capture is not valid for the CA-IDMS table *table-name* because the compression control length is incorrect.

Explanation: This error occurs only if the data server encounters an error retrieving the control length of the last (target) record in the PATH. A warning would have been issued during the creation of the table.

User response: Ensure that the data server is

successfully connected to the CA-IDMS central version. Then, resubmit the CREATE TABLE statement and ensure that there are no errors or warnings. Then, resubmit the ALTER TABLE statement.

0x0072051D (7472413) The data capture is not valid for the CA-IDMS table, *table-name*. The parent DBKEY is not available for the member record *rec-name* of set *set-name*.

Explanation: This error occurs only if the data server encounters an error while retrieving the owner DBKEY prefix for the set listed from the member record listed. The member record is last (target) record in the PATH. A warning would have been issued during creation of the table.

User response: Ensure that the data server is successfully connected to the CA-IDMS central version. Then, resubmit the CREATE TABLE and ensure there are no errors or warnings. Then, resubmit the ALTER TABLE statement.

0x0072051E (7472414) The CA-IDMS ACCESS LOADMOD, *load-module-name* could not be loaded.

Explanation: This error occurs only if the data server is unable to load the CA-IDMS access load module.

User response: Ensure that the load module name is correct and that the library that contains this load module is included in the STEPLIB of the data server startup JCL.

0x0072051F (7472415) CA-IDMS Index Table exceeded maximum entries, which causes an error.

Explanation: The number of indexes found for the records in the PATH exceeded the maximum number of CA-IDMS indexes supported in the system tables.

The system tables currently only support a maximum of 10 indexes. The number of indexes needed to execute the PATH are added up from the following:

- All CALC KEYS and system owned indexes on the Primary record in the PATH.
- All CALC KEYS on any record in the PATH that references the set name `_NONE_`.

User response: Reduce the number of indexes required by reducing the references to `_NONE_` or possibly using another subschema that reduces the number of system owned indexes.

0x00720520 (7472416) Data capture is not valid for CA-IDMS table *table-name*. A DBNAME must be specified.

Explanation: Data capture is supported only for CA-IDMS tables that have a DBNAME specified. CA-IDMS data capture requires database-specific

information to accurately match captured data with a catalog table name.

User response: Update the table definition by re-mapping the table with the correct DBNAME and retry the ALTER command.

0x00720600 (7472640) The DBD, *DBD-name* was not found in DBDLIB.

Explanation: The DBD identified by *DBD-name* could not be found in the libraries referenced by the DBDLIB DD statement.

User response: Ensure that the correct *DBD-name* was specified and that the DBDLIB DD statement is referencing the correct DBD load libraries. Then, re-execute the CREATE TABLE statement.

0x00720601 (7472641) The segment, *segment-name* was not found in the DBD *DBD-name*.

Explanation: The IMS segment *segment-name* could not be found in the DBD *DBD-name*.

User response: Ensure that the correct DBD is specified and that valid segment names are referenced in the IMS table definition.

0x00720602 (7472642) The segment, *segment-name* cannot be referenced in the INDEXROOT clause for DBD *DBD-name*.

Explanation: The segment *segment-name* is not the root segment for the DBD *DBD-name*, or it is the root segment due to any secondary data structures created by any secondary index definition in the DBD.

User response: Specify a valid root segment name.

0x00720603 (7472643) The database hierarchy identified in the mapping is not valid. The leaf segment *leaf-segment-name* is not a valid child segment for the *root-segment-name* in DBD *DBD-name*.

Explanation: The physical database definition or the secondary data structures created by secondary index definitions for the DBD *DBD-name* does not contain a set of parent-child relationships that can be used to establish a valid database hierarchy between the *leaf-segment-name* and the *root-segment-name*. The segment *root-segment-name* either was specified using the INDEXROOT clause or is the root segment of the database.

User response: Specify a *leaf-segment-name* and optionally INDEXROOT clause that represents a valid hierarchy for the database.

0x00720604 (7472644) The segment, *segment-name* is not part of the hierarchy that is being mapped.

Explanation: The segment *segment-name* is defined in the IMS database referenced by the IMS table definition. However, the segment is not part of the hierarchical path between the INDEXROOT segment and the leaf segments.

User response: Specify the name of one of the segments that exists in the hierarchy that is mapped.

0x00720605 (7472645) The index definition references the IMS field, *field-name*, which is a primary-key sequence field that is defined in a DEDB, HDAM, or PHDAM database. This type of index definition is not supported.

Explanation: Index definitions are not supported for a table that references a DEDB database. When you define an index for a table that references a HDAM or PHDAM database, you can define an index that references a secondary index XDFLD definition only.

0x00720606 (7472646) There are no primary key sequence fields or XDFLD's defined in the segment, *segment-name*, which is the INDEXROOT segment for the table that is identified by the table, *table-name*. Indexes cannot be defined for this table definition.

Explanation: The IMS table *table-name* has an INDEXROOT segment *segment-name*. A search of the DBD did not find any primary key sequence fields or XDFLD definitions that can be used as a basis for defining an index for the table.

User response: Ensure that the INDEXROOT segment is correct and is defined with primary key sequence fields or XDFLD definitions.

0x00720607 (7472647) The INDEXROOT segment, *segment-name* for the table, *table-name* does not contain any primary sequence fields or XDFLD's that match the columns defined in the index definition.

Explanation: For the IMS table *table-name*, the INDEXROOT segment *segment-name* was searched. Based on the columns that you identified in the index definition, a matching primary key sequence field or XDFLD could not be located. Because message 0x00720606 (7472646) was not issued, there are candidate IMS FIELD or XDFLD definitions that can be used to define an index.

User response: Specify the correct column names that correspond to the primary key sequence field or XDFLD that you want to define the index for.

0x00720608 (7472648) The data cannot be captured for the column, *column-name* because it references a segment, *segment-name* that does not exist in the DBD *DBD-name*.

Explanation: An attempt is being made to alter an IMS table for data capture. However the *segment-name* that is associated with the *column-name* cannot be found in the DBD that is loaded from the DBDLIB that is included in the data server JCL.

User response: Verify that the correct DBDLIB is specified in the data server JCL. Restart the data server and run the ALTER statement again. If the DBDLIB is correct, drop the table definitions and recreate it to specify a DBD that is loaded from the DBDLIB.

0x00720609 (7472649) Data capture is not supported for *DBD-name* because it is a LOGICAL or INDEX database.

Explanation: The table cannot be altered to turn data capture on. Data capture is not supported for IMS LOGICAL databases or an IMS secondary index database.

0x0072060A (7472650) Data capture is not supported because the segment, *segment-name* in DBD *DBD-name* does not have IMS data capture active.

Explanation: The table cannot be altered to turn data capture on because *segment-name* does not have an EXIT parameter specified.

User response: Activate IMS data capture for the segment before you alter the Classic table definition for data capture.

0x0072060B (7472651) Data cannot be captured for the column, *column-name* because it is referencing a non-sequence field in the segment, *segment-name* in DBD *DBD-name*. The data capture options in effect for the segment are: *data-capture-options*.

User response: Remove the column from the table mapping or change the data capture options in the IMS DBD to allow information to be captured for the column.

0x0072060C (7472652) The column, *column-name* does not exist in the segment, *segment-name* in DBD *DBD-name*.

Explanation: The combination of the offset and length for the column that is identified by *column-name* is outside of the bounds for the IMS segment *segment-name*. The table mapping is not valid for change capture.

User response: Correct the offset, the length, or both for the column.

0x0072060D (7472653) The data cannot be captured for the column, *column-name* in the leaf segment, *segment-name* in DBD *DBD-name* that is based on the data capture options that are in effect: *data-capture-options*.

User response: Remove the column from the table mapping or change the data capture options in the IMS DBD to allow information to be captured for the column.

0x0072060E (7472654) The IMS FIELD or XDFLD name, *IMS-field-name* does not exist in the segment, *segment-name*.

Explanation: An IMS column definition contains an IMS field name. This name cannot be located in the segment. Specification of IMS field name information on an IMS column definition is no longer supported.

User response: Remove the IMS field name and any PCBPREFIX from the column definition.

0x0072060F (7472655) An IMS FIELD or XDFLD name *IMS-field-name* does not exist or is not a primary key sequence FIELD or XDFLD definition.

Explanation: The CREATE INDEX statement that references an IMS table contains a FIELDNAME clause. This clause is no longer supported, and the specified value is not valid.

User response: Replace the FIELDNAME clause with the appropriate PCBPREFIX information.

0x00720610 (7472656) The PCBNAME clause contains more than five PCB names.

Explanation: A maximum of five PCB names can be specified on the PCBNAME clause.

User response: Remove the extra PCB names. Alternately, use the PCBNUM clause to specify more PCB names that can be used to access the IMS database.

0x00720611 (7472657) The PCBNUM clause contains more than ten sets of numbers.

Explanation: A maximum of ten sets of PCB numbers can be specified on the PCBNUM clause.

User response: Remove the extra PCB number information. With this clause, you can specify individual (single) PCB numbers that are eligible for use, or use the *Start-Count* syntax for a range of PCB numbers.

0x00720612 (7472658) The PCBNUM value of *PCB-number* exceeds the maximum value allowed of *max-value*.

Explanation: The PCB-Number value on a CREATE TABLE or CREATE INDEX statement for an IMS table exceeds the maximum possible value.

User response: Correct the PCB-number value and resubmit the CREATE statement.

0x00720613 (7472659) The PCBNUM value of *PCB-number*, in combination with the range value of *start-count*, exceeds the maximum value allowed of *max-value*.

Explanation: The PCB-Number value, plus the start-count value that is specified on a CREATE TABLE or CREATE INDEX statement for an IMS table exceeds the maximum possible value.

User response: Correct the PCB-number value and start-count, and resubmit the CREATE statement.

0x00720700 (7472896) The DD statement *DD-name* does not exist in the data server JCL.

Explanation: The data server does not contain a DD statement with the name, *DD-name*.

User response: Check the spelling of *DD-name*. If the data server JCL does not contain a DD statement that references the file that you want to access, update the data server JCL to include a DD statement that references the file. Restart the server before you attempt to re-run the CREATE TABLE statement.

0x00720701 (7472897) The data set, *data set name* does not exist or is not cataloged.

Explanation: The catalog search interface could not locate information for the file that is identified by *data set name*.

User response: Verify that the correct data set name is specified. One other possible reason that the file cannot be found is when the *data set name* references a sequential file that is not cataloged. In this situation, catalog the file before you attempt to re-run the CREATE TABLE statement.

0x00720702 (7472898) The PDS member name, *member-name* does not exist in data set name.

Explanation: The specified *member-name* does not exist in the partitioned data set that is referenced by *data set name*. The *member-name* was extracted from *data set name*.

User response: Supply the name of the existing member in the partitioned data set that is referenced by *data set name*.

0x00720703 (7472899) The data set name, *data set name* contains an incorrect generation reference of *generation-reference*.

Explanation: The *data set name* contains a relative generation number reference to a generation data set group file. The relative generation number specifies a negative relative generation number that is larger than the number of generations that are retained.

User response: Specify a valid relative generation number in the data set name.

0x00720704 (7472900) The data set, *data set* has a file type of *file-type*, which is unsupported or an inconsistent file type based on the mapping that is being performed.

Explanation: The catalog search interface returned a CSIDTYPE value that is identified by *file-type* for the file that is identified by *data set name*. For example, the data set references a VSAM file in a sequential file mapping.

User response: Supply a data set that references a supported file type and is consistent based on the type of mapping you want to define.

0x00720705 (7472901) The data set *data set* has an unsupported record format.

Explanation: The file, *data set name*, has a record format that is not supported. The file cannot be mapped.

User response: No action is required.

0x00720706 (7472902) The record length information cannot be obtained for the data set, *data set*.

Explanation: Attempts to obtain record length information for the file that is referenced by *data set* were unsuccessful. The file cannot be mapped.

User response: No action is required.

0x00720707 (7472903) The CREATE INDEX statement is incorrect because the table references a sequential file.

Explanation: You cannot define an index by using the CREATE INDEX statement that references a sequential file.

0x00720710 (7472912) The CICS file definition for *DD-name* does not exist at CICS subsystem *CICS-LU-name*.

Explanation: A field definition table entry does not exist for the file that is identified by *DD-name* at the target CICS subsystem identified by *CICS-LU-name*.

User response: Supply a valid field definition table name and validate the correct CICS connection information.

0x00720711 (7472913) Data capture cannot be activated for a table that references a VSAM alternate index.

Explanation: The VSAM file that is referenced by the table is an alternate index.

User response: Change capture can only be performed on the primary cluster definition of a VSAM file. However, changes are still captured for the file when they are made by an alternate index path. The statement cannot be processed.

0x00720713 (7472915) The column *column-name*, with an SQL data type of *COLTYPE*, cannot be assigned to a column that references a VSAM primary or alternate index key.

Explanation: The column that is identified by *column-name* is defined with a varying-length string data type, and the column starting offset corresponds to the start of the VSAM primary or alternate index key. Mapping a varying-length string SQL data is not supported.

User response: Modify the column data type to specify a fixed-length string or numeric data type.

0x00720714 (7472916) The data set name must be specified for a VSAM table when using batch VSAM data capture.

Explanation: You are attempting to alter a VSAM table for batch VSAM data capture. However, the file is being referenced by *DD name*. The batch VSAM files must be referenced by the data set name.

User response: Update the table definition to reference the VSAM file by its data set name before you attempt to run the ALTER TABLE statement.

0x00720715 (7472917) The XM URL string must be specified for a VSAM table when using Native VSAM data capture.

User response: Specify the XM URL string.

0x00720716 (7472918) The data set that was referenced by the DD or DS clause was not an alternate index path data set.

Explanation: When the DD or DS clause is specified on the CREATE INDEX statement for a table mapped to a VSAM file, the data set that is referenced must be a VSAM path entry. The CREATE INDEX statement cannot be processed.

0x00720718 (7472920) The column, *column-name* does not have a starting offset and length that matches the primary or alternate index definition that is identified in the INDEX or SECONDARY clause.

Explanation: The column that is identified by *column-name* contains an INDEX or SECONDARY clause that is not supported. The information that was supplied is not valid because the column does not reference the identified primary or alternate path index for the VSAM file.

User response: Verify that the column definition is correct and remove the INDEX or SECONDARY clause.

0x00720719 (7472921) The old version of the CICS access module, CACCIVS is being used. Install the latest version in CICS.

Explanation: A pre-V9.1 version of the CICS access module, CACCIVS, was used for file validation purposes.

User response: Install the latest version of CACCIVS in the target CICS subsystem before you resubmit the statement.

0x0072071A (7472922) You cannot activate change data capture for this table because it references a VSAM data set that has not been augmented correctly for replication.

Explanation: Before you ALTER the table for change data capture, the VSAM data set that the table references must be augmented correctly for replication.

User response: Use the IDCAMS utility to augment the VSAM data set for replication by specifying **FRREPLICATE(YES)** and the appropriate **LOGSTREAMID**. For information about augmenting VSAM data sets, see the documentation for Classic change data capture.

0x0072071b (7472923) The DSN value does not match the dataset name from CICS (*DSN*).

Explanation: If a DSN clause is specified in the CREATE TABLE statement, the dataset name must be the same as the dataset associated to the CICS file.

User response: For the DSN clause, enter the dataset name associated with the CICS file. Or omit the DSN clause and the system will use the dataset name associated with the CICS file.

0x0072071C (7471132) The VSAM data set name must be specified for a CICS table referencing a remote CICS file when used for data capture.

Explanation: You are attempting to alter a CICS VSAM table for data capture. The VSAM file is defined

as a remote file to the CICS system associated with the table and the DSN clause was not specified on the CICS VSAM table definition.

User response: Correct the CICS VSAM table definition to specify the VSAM data set name for the remote CICS file.

0x0072071D (7472925) Operation for table *table-name* failed. The table references a remote CICS file *file-name* and the table does not include the required DSN clause specifying the VSAM data set name.

Explanation: You are attempting to access or create the CICS VSAM *Table-Name* referencing the the CICS *File-Name*. The file name is defined as remote in the CICS system associated with the table and the DSN clause was not specified in the table definition.

User response: Correct the CICS VSAM table definition to specify the VSAM data set name for the remote CICS remote file.

0x00730001 (7536641) The owner name is a reserved word: *Owner*.

Explanation: The owner name that is identified by *owner* in a CREATE TABLE, CREATE INDEX, CREATE VIEW, or CREATE PROCEDURE statement is a reserved word.

User response: References to this table must be performed by using delimited identifiers in SQL DML statements.

0x00730002 (7536642) The table-name is a reserved word: *Table-name*.

Explanation: The *table-name* in a CREATE TABLE, CREATE INDEX, CREATE VIEW or CREATE PROCEDURE statement is a reserved word.

User response: References to this table must be performed by using delimited identifiers in SQL DML statements.

0x00730003 (7536643) The column-name is a reserved word: *Column-name*.

Explanation: The column name that is identified by *column-name* in a CREATE TABLE or CREATE VIEW statement is a reserved word.

User response: References to this column must be performed by using delimited identifiers in SQL DML statements.

0x00730004 (7536644) An implicit conversion to LONG VARCHAR was performed on the column name, *column*.

Explanation: A USE AS VARCHAR clause was supplied for *column*. The length value exceeds 254 characters, and the column was automatically converted to an SQL LONG VARCHAR data type.

User response: No action is required.

0x00730005 (7536645) An implicit conversion to LONG VARGRAPHIC was performed on the column name, *column-name*.

Explanation: A USE AS VARGRAPHIC clause was supplied for *column-name*. The length value exceeds 127 characters, and the column was automatically converted to an SQL LONG VARGRAPHIC data type.

User response: No action is required.

0x00730601 (7538177) The primary-key columns are identified for the non-unique search field, *IMS-field-name*, in the segment *segment-name*.

Explanation: Primary key information that identifies a non-unique IMS search field was defined for an IMS table. The columns that make up the primary key might not uniquely identify a row for the table.

User response: No action is required.

0x00730602 (7538178) The primary key columns for the first segment (*segment-name*) match to IMS *IMS-field-type*, *IMS-field-name*.

Explanation: Primary key information was supplied, for an IMS table, that corresponds to the IMS field that is identified by *IMS-field-name* for the first segment in the hierarchy, which is identified by *segment-name*. *Field-type* identifies the type of IMS field, which is either a search field (FIELD) or a secondary index definition (XDFLD).

0x00740001 (7602177) The PRIMARY KEY column is not part of the referenced database's primary key: *Column-Name*.

Explanation: DBMS-specific processing code indicates that the column that was identified as part of the primary key for a table does not map the database or file system primary key. The determination of what constitutes the primary key is based on other information that was specified in the CREATE TABLE statement or that was obtained during the verification of the information that was supplied. Because the information that was used to generate this message might be limited, or the target database or file system might not support key information, this warning message might not indicate an error condition.

User response: No action is required.

0x00740002 (7602178) The LENGTH *length* is ignored for the column *column-name*, based on the USE AS SQL datatype of *data-type*.

Explanation: The LENGTH value that was specified for *column-name* conflicts with the SQL *data-type* USE AS definition. The information on the USE AS specification takes precedence. The OBJECT_NAME column contains the name of the column that is in question.

User response: Verify that the data type information that is specified for the column is correct before an attempt to use the table is made.

0x00740003 (7602179) The DATATYPE *value* is ignored, based on the USE AS SQL usage of *data-type*. SQL usage takes precedence for the column *column-name*.

Explanation: A native DATATYPE value for *column-name* was specified that conflicts with the SQL data type that is specified in the USE AS clause. The SQL data type information takes precedence over the native data type information.

User response: Verify that the data type information that is specified for the column is correct before an attempt is made to use the table.

0x00740004 (7602180) Multiple-record array definitions at the same level have been detected. The number of record arrays is *count*. The Cartesian product (rows per access) is *row-count*.

Explanation: The CREATE TABLE statement defines multiple record arrays at the same level, which produces a result set that consists of the Cartesian product of the maximum count for all record arrays that are on the common level.

The number of rows that are generated is the Cartesian product of all record arrays and the maximum occurrence count for each record array. The computed Cartesian product for this table generates the number of rows that are identified by *row-count* for each database access based on the number of record array definitions that exist at the same level, which is identified by *count*.

User response: Review the table mapping to ensure that this is the required result. Consider creating multiple table mappings, one per record array.

0x00740005 (7602181) An OFFSET value of *relative-offset* is out of bounds for the column, *column-name*. The maximum permissible OFFSET value is *maximum-value*.

Explanation: The *relative-offset* that is specified on the OFFSET clause is not valid for *column-name*. The *relative-offset* value is larger than the size of the object that the column resides in. The size and the maximum value that can be specified for the *relative-offset* is identified by *maximum-value*. Using the column produces unpredictable results.

User response: Remap the table with the correct column definition.

0x00740006 (7602182) The LENGTH value of *length*, in combination with the OFFSET of *relative-offset*, is out of bounds for the column *column-name*. The length plus the relative-offset cannot evaluate to a value greater than the *maximum-value*.

Explanation: The computed ending offset for *column-name*, based on the *relative-offset* and length values that were specified, extends past the end of the object that the column resides in. The size of the object it resides in is identified by *maximum-value*. Using the column produces unpredictable results.

User response: Remap the table with the correct column definition.

0x00740007 (7602183) The OFFSET *relative-offset* is out of bounds for the record-array BEGINLEVEL number *Level-Number*. The maximum permissible OFFSET value is *maximum-value*.

Explanation: The *relative-offset* that is specified on the OFFSET clause for the record array definition, with a BEGINLEVEL number of *level-number* is not valid. The *relative-offset* value is larger than the size of the object that the record array resides in. The size maximum value that can be specified for the *relative-offset* is identified by *maximum-value*. Using the table produces unpredictable results.

User response: Supply a valid starting offset for the record array definition.

0x00740008 (7602184) The LENGTH value of the *occurrence-length*, in combination with the OFFSET of *relative-offset*, times the maximum times the record array can occur (*maximum-occurrences*), is out of bounds for the record-array definition identified with the BEGINLEVEL number *level-number*. The length, plus the *relative-offset*, times the number of record-array occurrences cannot evaluate to a value greater than *maximum-value*.

Explanation: The computed ending offset of the record array extends past the end of the object that the record array resides in. The ending offset was computed by multiplying the *occurrence-length* by the

maximum number of times the record array can repeat (*maximum-occurrences*) and added to the starting *relative-offset* of the record array. The computed value extends past the maximum size of the owning object that is identified by *maximum-value*.

User response: Using the table produces unpredictable results. Reduce the number of times the record array can repeat, and ensure that the starting offset and length of each occurrence are correct.

0x00740009 (7602185) The column, *column-name* cannot be defined after an OCCURS DEPENDING ON record-array definition.

Explanation: An attempt was made to define a column after a variably occurring record array definition. This definition is not allowed, and the contents of the column are undefined. Using the table produces unpredictable results.

User response: Delete all column and record array definitions after the record array definition with the OCCURS DEPENDING ON *column-name* clause.

0x0074000A (7602186) The NULL IS column, *column-name* does not exist within the record-array definition.

Explanation: The *column-name* that is identified in the NULL IS clause is not a column that exists within the bounds of the record array that is defined. The identification of a column that is not part of the record array for determining whether an instance is null or not does not produce the required query output.

User response: Specify the name of a column that is defined within the record array.

0x0074000B (7602187) The USE RECORD LENGTH clause is no longer supported. Remove this clause from the column *column-name*, or delete the column from the table definition.

Explanation: The column is probably not used by any application.

User response: Remove the USE RECORD LENGTH clause from the column that is identified by *column-name*. If the column is not actively used, delete it from the table definition.

0x00740201 (7602689) The SQL data type, *COLTYPE* is inconsistent with the Adabas format type (*FDT_FORMAT_TYPE*) for the column *column-name*.

Explanation: SQL and Adabas format type information for the column that is identified by *column-name* is inconsistent.

User response: Do not reference this column because results are unpredictable.

0x00740202 (7602690) The SQL data type (COLTYPE) is not supported for a column that references an Adabas table. The column *column-name* is not valid.

Explanation: The column that is identified by *column-name* has a USE AS clause that identifies that the column contains graphic data. Graphic data types are not supported for columns that reference an Adabas table.

User response: Do not reference this column because results are unpredictable.

0x00740203 (7602691) One or more keys for the index, *index-name* are Adabas null suppressed.

Explanation: One or more keys that are listed on a CREATE INDEX statement have an Adabas field definition table definition that defines these corresponding Adabas field as null suppressed. If any of the key columns contain Adabas null values, these rows are not returned by Adabas. This is a feature of Adabas.

User response: Verify that the Adabas processing of the Adabas null values is the behavior that is required.

0x00740301 (7602945) The SQL data type (COLTYPE) is inconsistent with the CA-DATACOM/DB FIELD TYPE (DATACOM_TYPE) for the column *column-name*.

Explanation: SQL and native CA-DATACOM/DB TYPE information for the FIELD definition that is associated with the column that is identified by *column-name* is inconsistent.

User response: Do not reference this column because results are unpredictable.

0x00740302 (7602946) The SQL data type (COLTYPE) is not supported for a column that references a CA-DATACOM/DB table. The column *column-name* is not valid.

Explanation: The column that is identified by *column-name* has a USE AS clause that identifies that the column contains graphic data. Graphic data types are not supported for columns that reference a CA-DATACOM/DB table.

User response: Do not reference this column because results are unpredictable.

0x00740502 (7603458) The CA-IDMS member record *rec-name* is not linked to the owner in set *set-name*. The delete information for the owner record of the set is not available for *table-name*.

Explanation: The CA-IDMS member record of the named set is not linked to the owner. The delete information for the owner is not available for data capture.

User response: Ensure that the record of the named set is linked to the owner.

0x00740503 (7603459) The CA-IDMS was unable to retrieve the page range for the area, *area-name* within the DBNAME that is specified. The DATA CAPTURE note is restricted to the specified DBNAME on the table, *table-name*.

Explanation: The data server was unable to locate an area within the SYSTEM dictionary that matched the area name and DBNAME that were specified to retrieve the page range. This situation occurs only if there were issues connecting to the CA-IDMS central version.

User response: See the system log for additional information.

0x00740504 (7603460) The CA-IDMS offset, *offset-value*, is greater than the size of element-name on the table *table-name*.

Explanation: The offset-value that is specified on the SOURCE DEFINITION ENTRY clause is greater than the size of the CA-IDMS element. Unpredictable results can occur with this mapping.

User response: Change the column definition and supply a valid offset.

0x00740505 (7603461) The CA-IDMS USE AS length, *length* is greater than the size of element-name on the table, *table-name*.

Explanation: The length that is specified in the USE AS clause is greater than the size of the CA-IDMS element. Unpredictable results can occur with this mapping.

User response: Change the column definition and supply a valid length.

0x00740506 (7603462) The CA-IDMS USE AS length, *length* is less than the size of element-name on the table, *table-name*. Data will be truncated.

User response: Change the column definition and supply a valid length.

0x00740507 (7603463) The CA-IDMS PRIMARY KEY on the table, *table-name* is not guaranteed to be unique.

Explanation: A column must map to either a CALC key, index set key, or sorted chain set key that is defined in CA-IDMS as DUPLICATES NOT ALLOWED. In addition, all columns that make up composite CALC keys, index set keys, or sorted chain set keys must be included in the PRIMARY KEY.

User response: Review the PRIMARY KEY that was specified to ensure that it is correct.

0x00740601 (7603713) There is no primary-key information provided for the segment, *segment-name*.

Explanation: The primary key definition for an IMS table did not include any primary key columns for the *segment-name* that exists in the hierarchy. The segment does have a sequence field that is defined, which can be identified as part of the primary key.

0x00740602 (7603714) The primary-key information that is provided for the segment, *segment-name* is incomplete.

Explanation: The primary key definition for an IMS table did not include primary key columns that mapped to the entire sequence field for the *segment-name* that exists in the hierarchy.

User response: Ideally, the entire content of a sequence field that is in the hierarchical path of an IMS table definition is identified as part of the primary key.

0x00740603 (7603715) The data cannot be captured for the column, *column-name* because it references a non-sequence field in the segment, *segment-name* in DBD, *DBD-name*. The data-capture options in effect are for the segment *segment-name* .

Explanation: The identified column always contains null values when a parent segment is deleted due to the cascade delete options that are in effect.

0x00740604 (7603716) There is IMS field information in the column definition, *column-name*.

Explanation: Specification of an IMS FIELD or XDFLD name on an IMS column definition is no longer necessary. This information is automatically obtained when the CREATE TABLE statement runs.

User response: Remove the IMS field name and any PCBPREFIX information from the column that is identified by *column-name*.

0x00740605 (7603717) The column definition for the *column-name* column cannot contain PCBPREFIX information..

Explanation: Specification of PCBPREFIX information on an IMS column definition is no longer supported. If the column references a primary key sequence field, the PCBPREFIX that is used to access the IMS DBD is obtained from an index definition or from the CREATE TABLE statement.

User response: If the column references an XDFLD, ensure that an index is defined that references the columns that map to the XDFLD. Supply the name of the PCBPREFIX that is to be used to access the IMS database by using the secondary index in the index definition. Remove the IMS field name and any PCBPREFIX information from the column identified by *column-name*.

0x00740606 (7603718) The CREATE INDEX statement for the index *index-name* cannot contain FIELDNAME information..

Explanation: Specification of FIELDNAME information on the CREATE INDEX statement that references an IMS table is no longer supported.

User response: Remove the FIELDNAME clause and use the PCBPREFIX clause instead.

0x00740701 (7603969) The load for the record processing exit, *exit-name* was unsuccessful.

Explanation: The record processing exit that is identified by *exit-name* could not be loaded. Either an incorrect name was specified, or the load library where the exit resides is not concatenated in the data server STEPLIB DD statement.

User response: Do not access the table until this problem is resolved. Specify the name of a valid record processing exit and ensure that the load library where the exit resides is accessible to the data server.

0x00740702 (7603970) The table must contain a column that can be used for direct-keyed access to the table, *table-name*.

Explanation: The table that is identified by *table-name* does not have a column definition that maps to the primary key or alternate index key for the VSAM file that is referenced by the table. There is no column that has a starting offset and length that matches the key information that is obtained during verification processing. There might be multiple column definitions that map to the VSAM entire key that this warning condition does not take into account.

User response: Based on the information that is available and the limited analysis that was performed,

it might not be possible to perform keyed access by using the table with the current definition.

0x00740703 (7603971) The column definition *column-name* cannot contain INDEX or SECONDARY information.

Explanation: Specification of primary key or alternate

path index information by using either the INDEX or SECONDARY clauses is no longer supported for VSAM tables.

User response: Create index definitions that supply this information. Remove the INDEX or SECONDARY information from the column that is identified by *column-name*.

Metadata utility (0x0076nnnn)

Errors that occur when running the metadata utility to manage the system catalogs.

0x00760000 (7733248) Statement execution was successful.

Explanation: This informational message is issued by the Metadata Utility when the statement has executed successfully.

User response: No action is required.

CONNECT request was issued to establish a connection with the DB2 subsystem that is identified by *subsystem-name*. The DB2 return and reason code information is displayed in the message.

User response: Refer to the appropriate IBM DB2 for z/OS manual for a description of the error condition. Correct the error before you rerun the metadata utility.

0x00760001 (7733249) The DD-name statement does not exist.

Explanation: The metadata utility JCL does not contain a required DD statement that is identified by *DD-name*.

User response: Update the JCL and supply the required DD statement before you resubmit the job.

0x00760006 (7733254) The program could not open the plan, *plan-name* for the DB2 subsystem, *subsystem-name*. The return and reason code (*return-code*, 0x'*reason code*') values were returned.

Explanation: The OPEN request was issued during the CAF session establishment process to the DB2 subsystem that is identified by *subsystem-name*. The plan that was attempted to be opened is identified by *plan-name*.

User response: Refer to the appropriate IBM DB2 for z/OS manual for a description of the error condition. Correct the error before you rerun the metadata utility.

0x00760002 (7733250) The metadata utility encountered an unsupported statement.

Explanation: The metadata utility encountered an unsupported statement in the SYSIN file. The first 25 characters of the statement are displayed.

User response: Processing continues with the next statement. No action is required.

0x00760007 (7733255) There is not a DB2 CAF interface available to process the import statement.

Explanation: Either a previous CONNECT TO DB2 statement did not run successfully, or no CONNECT TO DB2 statements were found before the IMPORT DB2 statement.

User response: Ensure that a call attachment facility connection exists with the DB2 database before you process IMPORT DB2 database statements.

0x00760003 (7733251) The program could not load the DB2 import module, CACDB2I.

User response: Contact IBM Software Support.

0x00760004 (7733252) The program could not load the DB2 CAF interface module, *module-name*.

User response: Ensure that the DB2 parameter and the DB2 SDSNLOAD DD statement are uncommented in the metadata utility JCL before you rerun the metadata utility.

0x00760008 (7733256) The program could not close the plan, *plan-name* for the DB2 subsystem, *subsystem-name*. The return and reason code (*return-code*, *reason code*') values were returned.

Explanation: The close request was issued during the call attachment facility session end process to the DB2 subsystem, *subsystem-name*. The plan that was attempted to be closed is identified by *plan-name*.

0x00760005 (7733253) The program could not connect to the DB2 subsystem, *subsystem-name*. The return and reason code (*return-code*, *reason code*') values were returned.

Explanation: An error was reported when the

User response: Refer to the appropriate IBM DB2 for z/OS manual for a description of the error condition. Generally, no immediate action is required, and the most typical reason for this kind of error is a DB2 time-out. The metadata utility does not update any DB2 resources during its operation.

0x00760009 (7733257) The program could not disconnect from the DB2 subsystem, *subsystem-name*. The return and reason code (return-code, reason code') values were returned.

Explanation: An error was reported when the disconnect request was issued to stop a connection with the DB2 subsystem, *subsystem-name*. The DB2 return and reason code information is displayed in the message.

User response: Refer to the appropriate IBM DB2 for z/OS manual for a description of the error condition. Generally, no immediate action is required. The most common reason for this kind of error is a DB2 time-out. The metadata utility does not update any DB2 resources during its operation.

0x0076000A (7733258) A connection with the data server does not exist. The statement cannot be processed.

Explanation: A DDL statement was processed before a connection to the data server was established.

User response: Provide a CONNECT TO SERVER statement in the SYSIN input before you run any DDL or DB2 IMPORT statements.

0x0076000B (7733259) An unexpected SQLCODE *DB2-SQL-return-code* reported issuing a DB2 request-type against the table, *table-name*.

Explanation: An unexpected SQL return code was returned when issuing a DB2 request with the call attachment facility interface. There are several user-correctable SQL return code values that might be displayed in this message.

Other DB2 SQL return codes that are user correctable might be returned.

User response:

-204 Indicates that the table referenced in the SELECT statement that is issued by the DB2 import module does not exist in the DB2 system. The most probably cause for this SQL return code value is that an incorrect PREFIX was specified on the CONNECT TO DB2 statement. Update the CONNECT TO DB2 statement and provide a valid PREFIX before you rerun the metadata utility.

-551 Indicates that the TSO user ID that is

associated with the metadata utility does not have DB2 authority to access the table, *table-name*. Ensure the TSO user ID is granted SELECT authority for the table before you re-run the metadata utility.

-818 Indicates that the *plan-name* that is specified on the CONNECT TO DB2 statement was not re-bound and that the DB2 import module and existing DB2 plan timestamps do not match. Re-bind the plan by using SACASAMP member CACBIND before you re-run the metadata utility.

Review the appropriate DB2 for z/OS to determine whether you can correct the problem. If not, contact IBM Software Support.

0x0076000C (7733260) The DB2 object, *type object-name* does not exist.

Explanation: The DB2 object that is identified by *object-name* of the *type* does not exist.

User response: Correct the IMPORT DB2 statement and specify a valid DB2 object name before you rerun the metadata utility.

0x0076000D (7733261) An unexpected result set was returned when the DB2 table *table-name* was accessed.

Explanation: A multi-row result set was returned when the DB2 table, *table-name*, was accessed. A single row result set was expected.

User response: Contact IBM Software Support.

0x0076000E (7733262) The IMPORT DB2 statement references an unsupported DB2 TYPE of (*type*) for *DB2-name*.

Explanation: The table referenced by the DB2 IMPORT statement is not supported by Classic Federation. The following DB2 table types are not supported:

- G - global temporary table
- X - auxiliary table

User response: Delete the IMPORT DB2 statement from the SYSIN data set.

0x0076000F (7733263) The DB2 table definitions that are incomplete cannot be imported. *DB2-name* cannot be imported.

Explanation: The STATUS column from the DB2 SYSTABLES table indicates that the DB2 object that is referenced by *DB2-name* is in an incomplete statement. You cannot import incomplete definitions in the system catalogs.

User response: Modify the DB2 object and make sure

that the STATUS is complete before you import the DB2 definition by using the metadata utility.

0x00760010 (7733264) The DB2 system tables cannot be imported into the Classic system catalog without being renamed.

Explanation: If you want to import a DB2 definition that has an owner name of SYSIBM into the Classic System catalog, it must be renamed.

User response: Update the IMPORT DB2 statement and supply a RENAME AS clause before you rerun the metadata utility.

0x00760011 (7733265) The DB2 IMPORT *type* statement contains a long name. A RENAME AS clause must be specified.

Explanation: The DB2 IMPORT statement identifies a DB2 object that has a long name. A RENAME AS clause must be supplied, and the object must have a short name.

User response: Correct the DB2 IMPORT statement and supply a RENAME AS clause before you rerun the metadata utility. If this error is issued for an index that is automatically created when a DB2 IMPORT TABLE statement that contains the WITH INDEXES clause was processed, then individual IMPORT DB2 INDEX definitions for each index that has a long name must be supplied.

0x00760012 (7733266) An incorrect operation value was specified.

Explanation: The PARM value on the EXEC statement does not contain a valid operation keyword. The operation keyword is not case sensitive and must specify one of the following values:

- INIT
- UPGRADE
- REORG
- REPORT
- COPY

User response: Update the PARM, specify a valid value, and resubmit the job.

0x00760013 (7733267) An incorrect report option was specified.

Explanation: When the PARM value of the EXEC statement contains REPORT, a report option that identifies the level of detail to be displayed can be identified. The valid report options are as follows:

- SUMMARY
- DETAIL
- VALIDATE
- DEBUG

Specification of a report option is optional, and by default, a summary report is produced. The format that is used to specify a report option is REPORT,*option*.

User response: Update the PARM, specify a valid report option, and resubmit the job.

0x00760014 (7733268) The error operation DD statement *DD-name* identifies the access operation that was attempted.

Explanation: A system catalog data set was accessed or updated. The message identifies the access operation that was attempted, and the operation will be one of the following values:

- opening
- reading
- seeking
- writing
- closing

DD-name identifies the DD statement name that was being accessed when the error was reported.

Immediately following the error message 0x0076001D is a second error message that provides more information about the error.

User response: Refer to the description for the second error message for information about the problem and about any actions that might resolve it.

0x00760015 (7733269) The source system catalog is empty.

Explanation: The source system catalog that is referenced by the INCAT and ININDX DD statements is empty.

User response: Update the JCL to refer to a valid system catalog.

0x00760016 (7733270) The source and target system catalogs are the same.

Explanation: The source metadata catalogs that are referenced by the INCAT and ININDX DD statements are the same that are referenced by the target metadata catalog CACCAT and CACINDX DD statements. The source and target metadata catalogs cannot be the same.

User response: Update the JCL and refer to different sets of system catalogs.

0x00760017 (7733271) An unknown object type (*object-type*) was found in a data-component record header at offset, *relative-offset*.

Explanation: When reading the contents of the data

component of the system catalog, an unknown object type (identified by *object-type*) was found in the block header of a record. The location in the data component where this corruption was detected is identified by *relative-offset*. Following this message, a hexadecimal dump of the block header contents is written to SYSTERM.

Processing of the remainder of the data component cannot continue. Data loss likely occurred.

User response: Perform a REORG operation on the system catalog to correct the corruption.

0x00760018 (7733272) A truncated data record was found in the data component for the object type, *object-type* at the offset, *relative-offset*. The expected record length was *expected-size*, while the actual size that was read was *actual-size*.

Explanation: When reading the contents of the data component of the system catalog, a short record was encountered for the object type that is identified by *object-type*. The location in the data component where this corruption was detected is identified by *relative-offset*. The *expected-size* identifies how much data was supposed to be read, where *actual-size* identifies how much data the I/O operation actually returned. Following this message is a hexadecimal dump of the block header contents and the amount of data read that is written to SYSTERM.

Processing of the remainder of the data component cannot continue. Data loss likely occurred.

User response: Perform a REORG operation on the system catalog to correct the corruption.

0x00760019 (7733273) The RID is out of range for the object reference (*reference-object-type*) in the source record (*object-type*) for the object *object-name*.

Explanation: An analysis of the record identifiers identified a record identifier that was out-of-range for the system catalog current space allocation. The source record and object name where the corruption was detected is identified by *object-type* and *object-name*. The object of the record identifier that was referenced (that is corrupted) is identified by *reference-object-type*. The object type codes that are displayed are used in the detail report as well as the formatting that is used to identify the *object-name*.

Hexadecimal dumps of the internal block headers are written to SYSTERM for the referenced and referencing object where the invalid reference is detected.

Processing of the referenced *object-type* is not attempted. Some amount of data loss can occur. For example, if a reference to the indexes that are associated with a table are not valid, all index information was lost. It is also possible that the reference object was lost. For example,

if the reference to a table column definition is corrupted, the whole table is corrupted.

User response: Perform a REORG operation on the system catalog to correct the corruption.

0x0076001A (7733274) The object that is referenced by RID (*number*) for *reference-object-type*, in source record *object-type* for object name *object-name* is not the correct object type or references another object.

Explanation: An invalid reference was detected when validating or retrieving an object from the metadata catalog. The contents of the message contains information that can assist in problem determination for the corruption that was detected. This is an internal error.

User response: Contact IBM Software Support.

0x0076001B (7733275) The system catalogs were already initialized.

Explanation: The system catalog that is referenced by the CACCAT and CACINDX DD statements already was initialized.

User response: No action is required.

0x0076001C (7733276) The target system catalog is not a Version 9.1 system catalog.

Explanation: The target system catalog for the UPGRADE operation is not identified as a V9.1 system catalog.

User response: Ensure that the CACCAT and CACINDX DD statements refer to a system catalog that was initialized by the catalog initialization and maintenance utility.

0x0076001D (7733277) The target system catalog contains user tables and cannot be used for upgrade purposes.

Explanation: The target system catalog for the UPGRADE operation is a V9.1 system catalog but contains additional user tables. The upgrade process cannot be used to merge the contents of two system catalog together.

User response: Ensure that the CACCAT and CACINDX DD statements refer to a system catalog that was initialized by the catalog initialization and maintenance utility.

0x0076001E (7733278) Memory allocation in the module (*line-num*) could not be completed.

User response: Increase the region size of job and rerun the utility.

0x0076001F (7733279) The operation-name operation in the module file-name(line-number) could not be completed with the RC return-code on the object object-identifier

Explanation: Types of operations that can fail are read, open, close, create, and grant.

User response: If the failure is on an open request, it might be due to a missing or misspelled required DDNAME. In this case, ensure that all required DDs are available to the utility. The object identifier indicates which DD is in error.

In the case of create and grant errors, the object identifier indicates the name of the object that is causing the problem. The error might be due to the object that already exists in the catalog.

Read errors can be caused by a corrupted input catalog. Run a DETAIL REPORT to verify the input catalog was not corrupted.

0x00760020 (7733280) An unexpected error occurred in an internal process process-description within a module src-file(line-num).

User response: Error 0x00760020 normally is preceded by an error message that indicates the error condition that caused the process to fail.

0x00760021 (7733281) An unexpected condition occurred within the module module-name (line-num)

Explanation: In most cases, unexpected conditions are the result of corruption within the catalog. The condition identifier indicates the area that causes the problem.

User response: Contact IBM Software Support.

0x00760022 (7733282) CA-IDMS Table table-name does not include a DBNAME definition, the DATA CAPTURE flag has been reset to space.

Explanation: The data capture flag for the named CA-IDMS table was altered to Y, and the table lacks a DBNAME value. A DBNAME value is necessary to accurately match changed data to CA-IDMS table definitions.

User response: If data capture is necessary for the table, update the mapping for the table and include a DBNAME definition. After the mapping is updated, the table can be altered for change capture purposes.

0x00760023 (7733283) Upgrading to a LINEAR catalog is not supported.

Explanation: UPGRADE and REORG are not supported for an output catalog data set type of LINEAR.

User response: Use the UPGRADE or REORG functions to convert the metadata catalog to a sequential metadata catalog. Then, use the COPY function to copy the contents of the sequential metadata catalog into a linear metadata catalog.

0x00760024 (7733284) The LRECL for DDLOUT of lrecl bytes is less than the minimum length of 80 bytes.

Explanation: This error message is issued by the Metadata Utility when the DDLOUT DD name is included in the Metadata Utility JCL and the LRECL for the file is less than the minimum requirement of 80 bytes.

User response: Increase the logical record length of the dataset referenced by the DDLOUT DD name and resubmit the Metadata Utility job.

0x00760025 (7733285) The CREATE object-type for object-name has a length of length which exceeds the DDLOUT size of length bytes.

Explanation: This error message is issued by the Metadata Utility when the length of a generated CREATE statement for a DB2 table contains long names and the long names exceed the logical record length of the dataset referenced by the DDLOUT DD name. The GENERATE DDL statement fails.

User response: Increases the logical record length of the dataset referenced by the DDLOUT DD name and resubmit the Metadata Utility job. The logical record length must be at least 132 bytes to accommodate the maximum size of a DB2 long name.

0x00760026 (7733286) CACCATUT FAILED, INPUT CATALOG VERSION IS catalog-version, REQUIRED VERSION IS required-version.

Explanation: This error message is generated when the version of the metadata catalog is not at the level required by a CACCATUT of the current release. The *catalog-version* is the version of the catalog being accessed. The *required-version* is the version required by the product accessing the catalog.

User response: This error is typically the result of not upgrading the metadata catalog prior to running a REPORT,COPY or REORG. In that case the catalog must be upgraded using the CACCATUT. Another possible causes of the error is that the wrong metadata catalog was specified in the JCL. If that is the cause,

correct the JCL and resubmit the job.

0x00760100 (7733504) The DB2 column, *column-name* was dropped from the Classic table definition because it was an unsupported DB2 data type.

Explanation: The DB2 column, *column-name*, cannot be defined in the Classic system catalog because it used an unsupported DB2 data type.

User response: No action is required on your part. If you import any DB2 index definitions that reference *column-name*, the Classic CREATE INDEX statement fails with a -205 SQL return code because the column referenced in the CREATE INDEX statement does not exist in the Classic system catalog.

0x00760101 (7733505) The DB2 column, *column-name* contains BIT data.

Explanation: The DB2 column definition, *column-name*, is defined as containing BIT data. Classic products do not support BIT data representation and automatically performs code page conversion when the data is retrieved or updated. This behavior might lead to code page conversion errors.

User response: Ensure that when this data is accessed, it is retrieved in hexadecimal format.

0x00760102 (7733506) A system-index corruption was detected. The system catalog needs to be reorganized.

Explanation: While processing the contents of the data component of the system catalog, a corruption was detected in a system index record. No data loss occurs because of this corruption.

User response: The system catalog must be reorganized to correct the corruption.

0x00760103 (7733507) No catalog objects qualify for statement.

Explanation: This warning message is issued by the Metadata Utility when there are no catalog objects that qualify for the statement.

User response: Verify that this is the expected behavior for the statement. If not, correct and resubmit the statement.

0x00760104 (7733508) The COMMENT ON *object-type* for *object-name* has a length of *clength* which exceeds the DDLOUT size of *length* bytes. COMMENT ON is not generated.

Explanation: This warning message is issued by the Metadata Utility when the length of a generated

COMMENT ON statement exceeds the logical record length of the dataset referenced by the DDLOUT DD name. The associated COMMENT ON statement is not generated.

User response: Increase the logical record length of the dataset referenced by the DDLOUT DD name and resubmit the Metadata Utility job. The logical record length must be at least 280 bytes to accommodate the maximum size of a comment.

0x00760200 (7733760) The CONNECT TO CICS statement is no longer used.

User response: Do not use the CONNECT TO CICS statement.

0x00760201 (7733761) The WITH INDEXES clause is ignored when importing the *type* definitions.

Explanation: The WITH INDEXES clause is ignored when the IMPORT DB2 statement references an ALIAS, MQT, or VIEW definition.

User response: No action is required.

0x00760202 (7733762) The DB2 TYPE, *type* is being imported. Restrictions on the operations that can be performed of the Classic might be imposed by DB2.

Explanation: The DB2 object that was imported is not a table. The actual type of DB2 object is reported as *type* based on the information that is returned in the SYSIBM.SYSTABLES TYPE column.

User response: Use special care in the types of SQL statements that are issued against the Classic version of the table due to restrictions that the DB2 system imposes.

0x00760203 (7733763) Multiple code-page conversion operations were performed when accessing the DB2 object.

Explanation: The ENCODING_SCHEME column in the DB2 SYSIBM.SYSTABLES indicates that the DB2 object is not stored in an EBCDIC code page. The DB2 system converts the data in the DB2 object to the default DB2 CCSID or the CCSID that is identified in the DB2 plan that accessed the table.

User response: Ensure that a code page that is compatible with the DB2 CCSID is used in the Classic clients to avoid code page conversion errors.

0x00760204 (7733764) The generated DDL was successfully written to *file-name*.

Explanation: This informational message is issued by the Metadata Utility when the GENERATE DDL

statement has executed successfully and the output is written to the *file-name* specified.

User response: No action is required.

0x00760205 (7733765) *object-name* successfully loaded into the catalog.

Explanation: The catalog initialization and maintenance utility issues this informational message when a METALOAD command is run.

The message confirms that the *object-name* was successfully loaded into the metadata catalog.

User response: No action is required.

0x00760300 (7734016) Enter password

Explanation: The password generator utility uses this message to prompt the user to enter a password.

User response: At the prompt, enter the password to be encrypted.

0x00760301 (7734017) Password successfully generated in *file-name*

Explanation: The password generator utility issues this informational message upon successful completion. The encrypted password was successfully written to the *file-name* specified.

User response: No action is required.

0x00760302 (7734018) Password length exceeds the maximum of 8 characters

Explanation: The password provided as input to the password generator utility exceeds the maximum length of 8 characters.

User response: Correct the input password and rerun the password generator utility.

0x00760303 (7734019) No password provided

Explanation: A password was not provided as input to the password generator utility. You must provide a password.

User response: Correct the input password and rerun the password generator utility.

0x00760304 (7734020) Invalid password provided. The password cannot begin with a space or contain any spaces.

Explanation: An invalid password was provided as input to the password generator utility. A password cannot begin with a space and cannot contain any spaces.

User response: Correct the input password and rerun

the password generator utility.

0x00760305 (7734021) Error opening file *file-name*

Explanation: An error occurred when attempting to open the file that *file-name* references. The possible causes are a permissions error, an incorrect file name, or a system problem.

User response: Review the job log for other errors that can explain the problem and review the file permissions. When the problem with the file is corrected, rerun the password generator utility.

0x00760306 (7734022) Error writing to file *file-name*

Explanation: An error occurred when attempting to write to the file that *file-name* references. The possible causes are a permissions error, an incorrect file name, or a system problem.

User response: Review the job log for other errors that can explain the problem and review the file permissions. After the problem with the file is corrected, rerun the job.

0x00760307 (7734023) Error closing file *file-name*

Explanation: An error occurred when attempting to close the file that *file-name* references. The possible cause is a system problem.

User response: Review the job log for other errors that can explain the problem. After the problem with the file is corrected, rerun the password generator utility.

0x00760308 (7734024) Unable to establish the configuration

Explanation: An error occurred when establishing the configuration environment for the message catalog.

User response: Verify that the CAC_CONFIG variable points to the correct cac.ini file. Also verify that the NL CAT and NL values are set correctly in the cac.ini file.

Correct the configuration settings and rerun the password generator utility.

0x00760309 (7734025) Unable to establish runtime environment (*size*)

Explanation: This error occurs when there is insufficient memory to allocate the runtime environment. The value of *size* is the number of bytes that cannot be allocated.

User response: Ensure that there is region memory available to allocate the *size* listed in the z/OS batch job and rerun the password generator utility.

0x00760310 (7734026) Unable to establish the message catalog (RC)

Explanation: An error occurred when accessing the message catalog. The RC value contains the possible error message number associated with the problem. The probable cause is incorrect settings in the cac.ini file for the NL CAT and or NL parameter or an incorrect ENGCAT DD on z/OS. This error can also occur if the message catalog does not exist.

User response: Correct the problem with locating the message catalog and rerun the password generator utility.

0x00760311 (7734033) PASSWORD= keyword was not specified.

Explanation: A PASSWORD= *keyword* was not

provided as input to the password generator utility. A PASSWORD= *keyword* value pair is required input.

User response: Correct the input password by providing the PASSWORD= *keyword* value and rerun the password generator utility.

0x00760312 (7734034) Error reading file file-name

Explanation: An error occurred when attempting to read the file that *file-name* references. The possible causes are a permissions error, an incorrect file name, or a system problem.

User response: Review the job log for other errors that can explain the problem and review the file permissions. After the problem with the file is corrected, rerun the password generator utility.

UNIX domain sockets protocol (0x0079nnnn)

Errors related to the UNIX domain sockets protocol in the Classic virtual host services layer.

0x0079000A (7929866) The memory was not allocated.

User response: Increase the MESSAGE POOL SIZE for the failing component. z/OS components might also need to increase their region size.

See the description of the MESSAGE POOL SIZE parameter in the documentation for IBM WebSphere Classic Federation Server for z/OS for more information about this parameters and related parameters.

0x0079000B (7929867) No sessions are available.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0079000C (7929868) No services are available.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0079000D (7929869) The UDS path name is incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0079000E (7929870) The generated UNIX pathname is incorrect.

Explanation: The UNIX path name that was generated internally is incorrect.

User response: Contact IBM Software Support.

0x0079000F (7929871) A UNIX domain socket cannot be created.

Explanation: A Unix Domain Socket cannot be created. This usually happens when either the process specific file or socket descriptors are exceeded or system wide limits for the number of descriptors for files or sockets are exceeded.

User response: Please check the operating system documentation to increase the process specific file or socket descriptor limits. Also, make sure that the number of system-wide file or socket descriptors are set appropriately. The number of descriptors depends on the number of client connections that are created by the application. There are 2 sockets used up for each connection handle used. There are 4 sockets used internally by the CLI/Logger threads.

0x00790010 (7929872) The Unix Domain Socket connection failed.

Explanation: This is an internal error.

User response: The CLI client was unable to establish connection to the connection handler thread. Please contact IBM customer support.

0x00790011 (7929873) Socket options could not be set.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00790012 (7929874) The socket UNIX path was not bound.

Explanation: This is an internal error.

0x00790013(7929875) • 0x0079001C (7929884)

User response: Contact IBM Software Support.

0x00790013(7929875) The UDS socket listen operation failed.

Explanation: The unix path is already used. There is another server listening on the path.

User response: Contact IBM Software Support.

0x00790014 (7929876) The socket accept operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00790015 (7929877) The UDS socket select operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00790016 (7929878) The UDS message is larger than the buffer.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00790017 (7929879) The UDS socket receive operation could not be completed.

Explanation: There was an unexpected session outage.

User response: Connect again and try the session again.

0x00790018 (7929880) The UDS socket send operation failed.

Explanation: The session was not available when the data was sent. There was probably a session outage.

User response: Contact IBM Software Support.

0x00790019 (7929881) No UDS socket is identified.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0079001A (7929882) The UDS takesocket operation could not be completed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0079001B (7929883) The UDS give socket operation failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0079001C (7929884) UDS asynchronous operations are not supported.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

VSAM file processing (0x0081nnnn)

Errors related to processing VSAM files.

0x00810001 (8454145) An error occurred while attempting to locate the task identifier during VSAM service initialization.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00810002 (8454146) The service-info entry pointer is null.

User response: Check the SERVICE INFO ENTRY definition for the VSAM service.

0x00810003 (8454147) The VSAM service was already initialized.

Explanation: The master configuration file contains a SERVICE INFO ENTRY for more than one VSAM service. The first SERVICE INFO ENTRY is processed, and all subsequent definitions are not.

User response: Remove or comment out any extra SERVICE INFO ENTRY definitions.

0x00810004 (8454148) The virtual communications registration call in the VSAM service failed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00810005 (8454149) The virtual communication open call in the VSAM service could not be completed.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00810006 (8454150) The message allocation call for the VSAM service message buffer could not be completed.

Explanation: There is not enough memory to allocate a message buffer for communication with the data server region controller.

User response: Stop the data server, increase the region size, and restart the data server.

0x00810007 (8454151) Allocation of the VSAM environment structure could not be completed.

Explanation: There is not enough memory to allocate the control blocks that are required to manage the environment for connections to the VSAM service.

User response: Stop the data server, increase the region size, and restart the data server.

0x00810008 (8454152) The memory was not allocated.

Explanation: There is not enough memory to allocate the control blocks that are required to manage the VSAM data sets.

User response: Stop the data server, increase the region size, and restart the data server.

0x00810009 (8454153) An incorrect local queue message was received by VSAM service.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00810021 (8454177) The VSAM file system encountered a dynamic allocation error.

Explanation: The System Code and DYNALLOC reason code are available in the data server log.

User response: Check the data server log.

0x00810022 (8454178) The VSAM file system encountered an open error.

Explanation: The return code and data set name is available in the data server log.

User response: Check the data server log.

0x00810023 (8454179) The VSAM file system encountered a close error.

Explanation: The return code and data set name are available in the data server log.

User response: Check the data server log.

0x00810024 (8454180) The VSAM file system encountered a dynamic deallocation error.

Explanation: The System Code and DYNALLOC reason code are available in the data server log.

User response: Check the data server log.

0x00810025 (8454181) The VSAM file system encountered a get error.

Explanation: The return code and feedback codes are available in the data server log.

User response: Check the data server log.

0x00810026 (8454182) The VSAM file encountered a point error.

Explanation: The return code and feedback codes are available in the data server log.

User response: Check the data server log.

0x00810027 (8454183) The VSAM file encountered an endreq error.

Explanation: The return code and feedback codes are available in the data server log.

User response: Check the data server log.

0x00810028 (8454184) The VSAM file system encountered a build LSR data pool error.

Explanation: A BLDVRP error occurred during an attempt to build a local shared resource data buffer pool. The return code is available in the data server log.

User response: Check the data server log.

0x00810029 (8454185) The VSAM file system encountered a build LSR index pool error.

Explanation: A BLDVRP error occurred during an attempt to build a local shared resource index buffer pool. The return code is available in the data server log.

User response: Check the data server log.

0x0081002A (8454186) The VSAM file system encountered a delete LSR pool error.

Explanation: A DLVRP error occurred during an attempt to delete a local shared resource buffer pool. The return code is available in the data server log.

User response: Check the data server log.

0x0081002B (8454187) The VSAM file system encountered an erase error.

Explanation: The return code and feedback codes are available in the data server log.

User response: Check the data server log.

0x0081002C (8454188) The VSAM file encountered a put error.

Explanation: The return code and feedback codes are available in the data server log.

User response: Check the data server log.

0x0081002D (8454189) The VSAM file system encountered an endreq error.

User response: Contact IBM Software Support.

0x00810030 (8454192) IGGCSI00 from SYS1.LINKLIB could not be loaded.

User response: The IBM Catalog Search Interface must be in the system LINKLIST.

0x00810031 (8454193) An error occurred in the catalog-search interface.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00810032 (8454194) An incorrect number of fields were returned.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00810033 (8454195) SHOWCAT for an IAM file could not be issued.

Explanation: A file was tentatively identified as an IAM file. An error code was returned from the SHOWCAT macro.

User response: Ensure that the file exists and is properly defined.

0x00810034 (8454196) This type of IAM file cannot be referenced in USE grammar.

Explanation: A file was tentatively identified as an IAM file. However, the information that was returned from the SHOWCAT macro does not identify the file type as a cluster or path.

User response: Ensure that the cluster name for a KSDS or ESDS data set or the path name for an IAM alternate index is referenced.

0x00810035 (8454197) The file is not a VSAM file.

Explanation: The file name that was referenced is not a VSAM file.

User response: Modify the USE grammar to reference a valid VSAM file.

0x00810036 (8454198) The IAM PATH association look-up could not be completed.

Explanation: The file was identified as an IAM PATH file. However, when the SHOWCAT macro was issued to pick up base cluster or alternate index information, the required associations could not be found.

User response: Ensure that the IAM file is properly defined and the alternate index is set up correctly.

0x00810037 (8454199)

Explanation: An error occurred during a VSAM file operation.

User response: For more detailed information, see message CACF060I.

Cross memory (XM) protocol (0x0085nnnn)

Errors related to the XM protocol in the Classic virtual host services layer.

0x00850003 (8716291) The cross memory session control block was not found during a put operation.

User response: Contact IBM Software Support.

0x00850007 (8716295) The session limit was exceeded.

Explanation: Maximum number of sessions has been reached.

User response: Increase maximum number of sessions (configure).

0x00850008 (8716296) No services are available.

Explanation: Maximum number of services has been activated.

User response: Increase maximum number of services (configure).

0x00850009 (8716297) No resources are available.

Explanation: The required control blocks cannot be assigned due to a lack of storage.

User response: Restart using a larger REGION parameter.

0x0085000A (8716298) The memory was not allocated.

User response: Increase the MESSAGE POOLSIZE parameter.

0x0085000B (8716299) The cross memory message that was received is larger than the allocated buffer.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0085000C (8716300) Cross Memory receive error.

User response: Contact IBM Software Support.

0x0085000D (8716301) An incorrect cross-memory session number was received.

User response: Contact IBM Software Support.

0x0085000E (8716302) Cross Memory session error.

User response: Contact IBM Software Support.

0x00850012 (8716306) An error occurred while Cross Memory attempted to accept an incoming session.

Explanation: Cross Memory cannot accept an incoming session due to a control block error or exceeding the maximum number of sessions.

User response: Contact IBM Software Support.

0x00851001 (8720385) The cross memory queue token could not be located.

Explanation: This is a name or token services failure.

User response: An IPL is required.

0x00851002 (8720386) The cross-memory server address space is no longer active.

Explanation: No active queue is listening.

User response: Verify that the queue name is correct in the client configuration file, and verify that the data server was started.

0x00851004 (8720388) The cross memory queue name is incorrect.

Explanation: The three-part name is incorrect.

User response: See the product documentation for instructions on specifying Cross Memory queues.

0x00851005 (8720389) The cross memory global name or token was not received.

Explanation: This is a name or token services failure.

User response: An IPL is required.

0x00851006 (8720390) The cross-memory queue entry could not be located.

Explanation: The maximum number of available system LX entries was reached.

User response: An IPL is required.

0x00851008 (8720392) The cross-memory queue entry storage could not be located.

0x00851009 (8720393) • 0x0085100F (8720399)

Explanation: CSA is out of space.

User response: An IPL is required.

0x00851009 (8720393) The cross-memory queue entry could not be inserted.

Explanation: The LX entry could not be inserted.

User response: Contact IBM Software Support.

0x0085100A (8720394) The cross-memory global name or token could not be created.

Explanation: This is a name or token services failure.

User response: Contact IBM Software Support.

0x0085100B (8720395) The cross-memory management structure could not be allocated.

User response: Contact IBM Software Support.

0x0085100C (8720396) The cross-memory data space could not be created.

User response: Contact IBM Software Support.

0x0085100D (8720397) The cross-memory data space access could not be established.

Explanation: The cross-memory data space is not accessible. This is an internal error

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP  
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,  
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x0085100E (8720398) The local cross-memory name or token could not be created.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP  
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,  
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x0085100F (8720399) The cross-memory queue entry could not be released.

Explanation: The attempt to free the common storage area (CSA) failed. This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP  
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,  
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00851010 (8720400) The cross-memory data space could not be deleted.

User response: Contact IBM Software Support.

0x00851011 (8720401) The cross-memory data-space access could not be removed.

User response: Contact IBM Software Support.

0x00851012 (8720402) The cross-memory local name or token could not be deleted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and job-name represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00851017 (8720407) The accumulated blocked message address is incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and job-name represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00851018 (8720408) The connection token could not be retrieved.

Explanation: The Connection Token was not published for this Coupling Facility List structure or File Table.

User response: Ensure that the name appears on the FILE TABLE NAME configuration parameter in the server that hosts the PC Call Interface.

0x00851019 (8720409) The SCB user key is invalid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and job-name represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x0085101A (8720410) The DSA key 3 address is invalid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```


0x0085101B (8720411) • 0x00851020 (8720416)

The following message is displayed on the console:

```
*nm IEE094D SPECIFY OPERAND(S) FOR DUMP  
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,  
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nm* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x0085101B (8720411) The server encountered an error loading program call (PC) routines into the common service area (CSA).

Explanation: An error occurred while loading program call routines into the CSA. One possible reason for this message might be an error installing or configuring the data server.

User response: Ensure that the CACXMP module is in the STEPLIB concatenation for the data server.

0x0085101C (8720412) The Classic data server encountered an error while attempting to allocate DSA key 3 storage.

Explanation: The Classic data server was unable to allocate sufficient storage for cross-memory communication.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```

The following message is displayed on the console:

```
*nm IEE094D SPECIFY OPERAND(S) FOR DUMP  
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,  
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nm* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x0085101D (8720413) Error detaching access from a Shared MemObj.

Explanation: Trying to detach access from a Shared Memory Object, a 64-Bit Virtual Storage Allocation macro has failed. The failure return and reasons codes are displayed in the Data fields in the server log entry for this error.

User response: Refer to the MVS Authorized Assembler Reference Services Reference manual for a description of the error being reported and the corrective action, macro IARV64, Return and Reason codes section.

0x0085101E (8720414) An error occurred while allocating a private memory object.

Explanation: A 64-Bit Virtual Storage Allocation macro failed while trying to allocate a private memory object. The return codes and reason codes for this error are displayed in the data fields in the server log entry.

User response: If this error occurs when you start the data server, check that the EXEC card specifies MEMLIMIT=NONE to ensure that above-the-bar memory is available.

To obtain a description of the error and determine a corrective action, refer to the return and reason codes for the macro IARV64 in the MVS Programming Assembler Services Reference.

If the problem persists, contact IBM Software Support.

0x0085101F (8720415) Invalid QECB table address.

Explanation: Internal error.

User response: Contact IBM technical support at www.ibm.com/support

0x00851020 (8720416) An error occurred while accessing a shared memory object.

Explanation: A 64-Bit Virtual Storage Allocation macro failed while trying to access a private memory object. The return and reason codes for this error are displayed in the data fields in the server log entry.

User response: To obtain a description of the error and determine a corrective action, refer to the return and reason codes for the macro IARV64 in the MVS Programming Assembler Services Reference.

0x00851021 (8720417) An error occurred while obtaining an enqueue (ENQ) on a shared memory object.

Explanation: The ISGENQ macro has failed while trying to obtain an ENQ on a shared memory object. The return and reason codes for this error are displayed in the data fields in the server log entry.

User response: To obtain a description of the error and determine a corrective action, refer to the return and reason codes for the macro ISGENQ in the MVS Programming Assembler Services Reference.

0x00851022 (8720418) An error occurred while trying to obtain a dequeue (DEQ) on a shared memory object.

Explanation: The ISGENQ macro failed while trying to obtain a dequeue (DEQ) on a shared memory object. The return and reason codes for this error are displayed in the data fields in the server log entry.

User response: To obtain a description of the error and determine a corrective action, refer to the return and reason codes for the macro ISGENQ in the MVS Programming Assembler Services Reference.

0x00851023 (8720419) An error occurred while allocating a shared memory object.

Explanation: A 64-Bit Virtual Storage Allocation macro failed while trying to access a shared memory object. The return and reason codes for this error are displayed in the data fields in the server log entry.

User response: To obtain a description of the error and determine a corrective action, refer to the return and reason codes for the macro IARV64 in the MVS Programming Assembler Services Reference.

0x00851024 (8720420) A SMODSECT user key is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00851025 (8720421) An error occurred while deleting a private memory object.

Explanation: A 64-Bit Virtual Storage Allocation macro failed while trying to delete a private memory object. The return and reason codes for this error are displayed in the data fields in the server log entry.

User response: To obtain a description of the error and determine a corrective action, refer to the return and reason codes for the macro IARV64 in the MVS Programming Assembler Services Reference.

0x00851026 (8720422) An error occurred while deleting a shared memory object.

Explanation: A 64-Bit Virtual Storage Allocation macro failed while trying to delete a shared memory object. The return and reason codes for this error are displayed in the data fields in the server log entry.

User response: To obtain a description of the error and determine a corrective action, refer to the return and reason codes for the macro IARV64 in the MVS Programming Assembler Services Reference.

0x00851027 (8720423) An error occurred while retrieving the RTM Routine.

Explanation: The Contents Supervisor Query Service (CSVQUERY) encountered an error while trying to retrieve the routine for the Recovery Termination Manager from the dynamic link pack area (LPA). The return and reason codes for the error are displayed in the data fields in the server log entry.

User response: To obtain a description of the error and determine a corrective action, refer to the return and reason codes for CSVQUERY in the MVS Programming Assembler Services Reference.

0x00851028 (8720424) An error occurred while allocating the storage array for the Resource Manager.

Explanation: The STORAGE macro encountered an error trying to allocate the storage array for the Resource Manager. The return and reason codes for this error are displayed in the data fields in the server log entry.

User response: To obtain a description of the error and determine a corrective action, refer to the return and reason codes for the STORAGE macro (OBTAIN option) in the MVS Programming Assembler Services Reference.

0x00851029 (8720425) An error occurred while establishing the cleanup routine for the Resource Manager.

Explanation: An error occurred trying to establish the Resource Manager cleanup routine. The return and reason codes for this error are displayed in the data fields in the server log entry.

User response: To obtain a description of the error and determine a corrective action, refer to the return and reason codes in the ADD section for the macro RESMGR in the MVS Programming Assembler Services Reference.

0x0085102A (8720426) The PC routine is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0085102B (8720427) An error occurred while loading the recovery routine into the dynamic link pack area.

Explanation: The server encountered an error while trying to load the routine for the Recovery Termination Manager into the dynamic link pack area (LPA). The return and reason codes for the error are displayed in the data fields in the server log entry.

User response: To obtain a description of the error and determine a corrective action, refer to the return and reason codes for CSVDYLPA in the MVS Programming Assembler Services Reference.

0x00853001 (8728577) The cross-memory slot number that was supplied is incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

DUMP COMM=(*dump-title*)

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP  
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,  
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00853002 (8728578) An internal connection control block was not found.

Explanation: An error occurred communicating between two services after establishing a connection.

User response: Contact IBM Software Support.

0x00853003 (8728579) Cross memory was unable to locate the management structure.

Explanation: The data server terminated.

User response: Restart the server.

0x00854001 (8732673) There is no more space in the common storage area (CSA) table to insert a cross-memory queue.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

DUMP COMM=(*dump-title*)

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP  
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,  
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00854002 (8732674) The cross memory was unable to locate the management control block.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

DUMP COMM=(*dump-title*)

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP  
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,  
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00854003 (8732675) The cross-memory management control-block identifier is incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

DUMP COMM=(*dump-title*)

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00855000 (8736768) The cross-memory session limit was exceeded.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

DUMP COMM=(*dump-title*)

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00855001 (8736769) The cross-memory management control block was corrupted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

DUMP COMM=(*dump-title*)

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00855002 (8736770) The cross-memory server was not found.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

DUMP COMM=(*dump-title*)

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,
PSA,RGN,SQA,SWA,TRT,LPA),END
```

0x00855003 (8736771) • 0x00858002 (8749058)

where *id* represents the identifier *nm* that the operating system displayed on the console, and job-name represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00855003 (8736771) The cross-memory queue name is already in use.

User response: There was an attempt to start a service that is configured to use a Cross Memory queue that is already in use.

User response: Check the data source name before starting the service.

0x00855005 (8736773) The cross-memory management control block address is incorrect.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```

The following message is displayed on the console:

```
*nm IEE094D SPECIFY OPERAND(S) FOR DUMP  
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,  
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nm* that the operating system displayed on the console, and job-name represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00857001 (8744961) The cross-memory session was not found.

Explanation: The session already ended.

User response: Check the session log.

0x00857003 (8744963) The cross-memory slot number on input is incorrect.

Explanation: This is an internal XM error.

User response: Contact IBM Software Support.

0x00857004 (8744964) An incorrect cross-memory session control block was supplied.

Explanation: This is an internal XM error.

User response: Contact IBM Software Support.

0x00857005 (8744965) Cross memory post could not be completed.

Explanation: An attempt to post a client or the data server failed.

User response: If the client or data server stopped, contact IBM Software Support.

0x00857006 (8744966) The cross-memory data space could not be accessed.

Explanation: An attempt to access the Cross Memory data space failed.

User response: Contact IBM Software Support.

0x00857007 (8744967) The address for the memory object is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00858001 (8749057) No space remains for memory allocation from the cross-memory message pool.

Explanation: The Classic data server could not allocate sufficient memory from the cross-memory message pool.

User response: If this condition occurs when you start the data server, check that the EXEC card specified MEMLIMIT=NONE to ensure that above-the-bar memory is available.

0x00858002 (8749058) The cross-memory object was not initialized.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```


The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00859001 (8753153) The cross-memory object was corrupted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00859002 (8753154) The cross-memory object was not initialized.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00859003 (8753155) The cross memory object space was corrupted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

To prepare for your support call, capture a console dump for the Classic data server by issuing a **DUMP** command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP COMMAND
```

Then issue the following **REPLY** command:

```
R id,JOBNAME=job-name,
SDATA=(CSA,GRSQ,LSQA,PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump datasets and the command output provides the data set names.

0x00859004 (8753156) The cross memory object space was corrupted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

To prepare for your support call, capture a console dump for the Classic data server by issuing a **DUMP** command. Specify a title for the dump by using the following format:

```
DUMP COMM=(dump-title)
```

The following message is displayed on the console:

0x00880002 (8912898) • 0x00880023 (8912900)

*nn IEE094D SPECIFY OPERAND(S) FOR DUMP COMMAND

Then issue the following **REPLY** command:

```
R id,JOBNAME=job-name,  
SDATA=(CSA,GRSQ,LSQA,PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier nn that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump datasets and the command output provides the data set names.

z/OS hiperspace processing (0x0088nnnn)

Errors within the Classic virtual host services layer related to processing hiperspaces on z/OS.

0x00880002 (8912898) No task data was specified on enterprise server SERVICE INFO ENTRY definition.

Explanation: This is a configuration error.

User response: Check the configuration parameters.

0x00880003 (8912899) No task data was specified on enterprise server SERVICE INFO ENTRY definition.

Explanation: This is a configuration error.

User response: Check the configuration parameters.

0x00880010 (8912912) The task identifier could not be located during the enterprise server initialization.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00880011 (8912913) The configuration information could not be located during the enterprise server initialization.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00880012 (8912914) No resources are available for the enterprise server operation.

User response: Increase the MESSAGE POOL SIZE.

0x00880013 (8912915) No sessions are available.

User response: Contact IBM Software Support.

0x00880014 (8912916) The session was rejected by data server.

User response: Check the data server log for details.

0x00880019 (8912921) The SERVICE INFO ENTRY pointer is NULL.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0088001A (8912922) The target data server connection could not be completed.

User response: Contact IBM Software Support.

0x0088001C (8912924) The user could not be found.

User response: Contact IBM Software Support.

0x00880020 (8912896) The hiperspace could not be created.

Explanation: This is an internal program error.

User response: Contact IBM Software Support.

0x00880021 (8912897) ALET access to the hiperspace could not be obtained.

Explanation: This is an internal program error.

User response: Contact IBM Software Support.

0x00880022 (8912899) Error getting page boundary storage

Explanation: There was an error in the MVS™ STORAGE OBTAIN macro. Retrieve the Data(xxxxxxxx,yyyyyyy) portion of the message log.

User response: Look for the xxxxxxxx value in IBM's *bookz_auth_ass_serv_ref* for information on how to resolve the issue.

0x00880023 (8912900) The HIPERSPACE parameter is incorrect.

Explanation: The first entry of the LD TEMP SPACE parameter might be misspelled.

User response: Check to make sure that it is spelled HIPERSPACE.

0x00880024 (8912901) The HIPERSPACE subparameter is incorrect.

Explanation: One of the subparameters of the LD TEMP SPACE parameter is misspelled. Valid spellings for the subparameters in this parameter are INIT, MAX, and EXTEND.

User response: Correct the spelling.

0x00880025 (8912902) The MAX subparameter is not valid.

Explanation: The MAX subparameter of the LD TEMP SPACE parameter is not valid. Valid settings are *x*M and *x*G, where *x* is the maximum number of megabytes (M) or gigabytes (G) of space that you want to allocate.

User response: Verify that the entry uses M or G to specify the unit and that the number of units is valid in your environment.

0x00880026 (8912903) The INIT subparameter is not valid.

Explanation: The INIT subparameter of the LD TEMP SPACE parameter is not valid. Valid settings are *x*M and *x*G, where *x* is the initial number of megabytes (M) or gigabytes (G) of space to allocate.

User response: Verify that the entry uses M or G to specify the unit, that the number of units is valid in the environment, and that the number of units does not exceed the MAX subparameter.

0x00880027 (8912904) The EXTEND subparameter is not valid.

Explanation: The EXTEND subparameter of the LD TEMP SPACE parameter is not valid. Valid settings are *x*M and *x*G, where *x* is the initial number of megabytes (M) or gigabytes (G) of space to extend the storage area at a time.

User response: Verify that the entry uses M or G to specify the unit, that the number of units is valid in the environment, and that the number of units does not exceed the MAX subparameter.

0x00880028 (8912905) The page boundary storage could not be released.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Before you contact Support, capture a console dump for the Classic data server by issuing a DUMP command. Specify a title for the dump by using the following format:

DUMP COMM=(*dump-title*)

The following message is displayed on the console:

```
*nn IEE094D SPECIFY OPERAND(S) FOR DUMP
COMMAND
```

Then issue the following REPLY command:

```
R id,JOBNAME=job-name,SDATA=(CSA,GRSQ,LSQA,
PSA,RGN,SQA,SWA,TRT,LPA),END
```

where *id* represents the identifier *nn* that the operating system displayed on the console, and *job-name* represents the name of the job or started task for the data server.

This command writes a dump to one or more system dump data sets, and the command output provides the data set names.

0x00880029 (8912906) ALET access to the hiperspace could not be released.

Explanation: This is an internal program error.

User response: Contact IBM Software Support.

0x0088002A (8912938) The hiperspace could not be deleted.

Explanation: This is an internal program error.

User response: Contact IBM Software Support.

0x0088002B (8912939) An error occurred when reading from the hiperspace.

Explanation: This is an internal program error.

User response: Contact IBM Software Support.

0x0088002C (8912940) The end of capacity can not be exceeded.

Explanation: This is an internal program error.

User response: Contact IBM Software Support.

0x0088002D (8912941) An error occurred when writing to the hiperspace.

Explanation: This is an internal program error.

User response: Contact IBM Software Support.

0x0088002E (8912942) The page boundary storage could not be relocated.

Explanation: The failure return code is displayed in the data fields in the server log entry for this error.

User response: Refer to the MVS Assembler Services Reference manual for a description of the error and the

0x0088002F (8912943) • 0x00920008 (9568264)

corrective action for the macro STORAGE OBTAIN in the return and reason codes section.

0x0088002F (8912943) The hiperspace cannot be extended.

Explanation: The EXTEND subparameter of the LD TEMP SPACE parameter does not allow the system to extend. Valid settings are *xM* and *xG*, where *x* is the initial number of megabytes (M) or gigabytes (G) of space to extend the storage area at a time.

User response: Verify that the number of units that are specified in the entry is greater than zero.

0x00880030 (8912944) The hiperspace cannot extend past MAX.

Explanation: The MAX allowed allocation of space was reached, but it is insufficient for the application.

User response: Increase the number of units that are specified in the MAX subparameter of the LD TEMP

SPACE parameter and resubmit your SQL query.

0x00880031 (8912945) The hiperspace could not be extended.

Explanation: This is an internal program error.

User response: Contact IBM Software Support.

0x00880032 (8912946) Seeking past the end of capacity could not be completed

Explanation: This is an internal program error.

User response: Contact IBM Software Support.

0x00880033 (8912947) A read is not allowed after a write.

Explanation: This is an internal program error.

User response: Contact IBM Software Support.

Classic change data capture engine-to-engine protocol(0x0092nnnn)

Errors related to Classic change data capture engine-to-engine protocol in the Classic virtual host services layer.

0x00920001 (9568257) An error occurred in parameter 1 in the communications layer of Classic change data capture.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920002 (9568258) An error occurred in parameter 2 in the communications layer of Classic change data capture.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920003 (9568259) An error occurred in parameter 3 in the communications layer of Classic change data capture.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920004 (9568260) An error occurred in parameter 4 in the communications layer of Classic change data capture.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920005 (9568261) An error occurred in parameter 5 in the communications layer of Classic change data capture.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920006 (9568262) An error occurred in parameter 6 in the communications layer of Classic change data capture.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920007 (9568263) An error occurred in parameter 7 in the communications layer of Classic change data capture.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920008 (9568264) An error occurred in the communications layer for Classic change data capture while trying to locate an internal control block.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920009 (9568265) The communications layer for Classic change data capture failed to allocate memory in the data server.

Explanation: The communications layer cannot allocate memory and the data server might be low on memory.

User response: Review the value of the MESSAGEPOOLSIZ parameter for the data server and run the DISPLAY,MEMORY command to retrieve information about memory usage.

If the data server is low on memory, increase the value of the MESSAGEPOOLSIZ parameter. You might also have to increase the REGION value for the job step. For more information, see the documentation for the REGION value.

If the problem persists, contact IBM Software support.

0x0092000A (9568266) The communications layer for Classic change data capture received a message that it was unable to encode.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x0092000B (9568267) The communications layer for Classic change data capture received a message that it was unable to decode.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x0092000C (9568268) The communications layer for Classic change data capture issued a trace message at level 0.

Explanation: This is an informational message.

User response: No action is required.

0x0092000D (9568269) The communications layer for Classic change data capture issued a trace message at level 1.

Explanation: This is an informational message.

User response: No action is required.

0x0092000E (9568270) The communications layer for Classic change data capture issued a trace message at level 2.

Explanation: This is an informational message.

User response: No action is required.

0x0092000F (9568271) The communications layer for Classic change data capture issued a trace message at level 3.

Explanation: This is an informational message.

User response: No action is required.

0x00920010 (9568272) The communications layer for Classic change data capture issued a trace message at level 4.

Explanation: This is an informational message.

User response: No action is required.

0x00920011 (9568273) The communications layer for Classic change data capture was unable to allocate a required communications control block.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920012 (9568274) The communications layer for Classic change data capture determined that the environment for the data protocol API is not available.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920013 (9568275) The communications layer for Classic change data capture encountered an error with the environment for the data protocol API.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920014 (9568276) Classic CDC communications layer failed to find a required link control block.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920015 (9568277) Classic CDC communications layer failed to find a required conversation control block.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920016 (9568278) The communications layer for Classic change data capture failed to find a required session control block.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x00920017 (9568279) The communications layer for Classic change data capture received a message.

Explanation: This is an informational message indicating that the communications layer for Classic change data capture received a message from its partner. The message received is traced at level 1.

User response: No action is required.

0x00920018 (9568280) Classic CDC communications layer sent a message.

Explanation: Informational Classic CDC communications layer trace message issued at level 1.

User response: No action is required.

0x00920019 (9568281) The communications layer for Classic change data capture received an unknown column type.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x0092001A (9568282) The communications layer for Classic change data capture detected invalid data that it could not process.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x0092001B (9568283) The communications layer for Classic change data capture received a request to replicate data and could not identify the request.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x0092001C (9568284) The communications layer for Classic change data capture was unable to identify the required hostname to populate communications messages.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x0092001D (9568285) Classic CDC communications layer changed the conversation state for replication.

Explanation: This is an informational message.

User response: No action is required.

Indexed list interface (0x0093nnnn)

Errors related to indexed lists in the Classic virtual host services layer.

0x00930001 (9633793) The data server detected an invalid method for indexed list processing.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00930002 (9633794) Indexed list processing was unable to obtain required memory.

Explanation: Indexed list processing could not obtain storage from the memory pool that the create call for the indexed list provided. The data server might be short on storage, preventing the memory pool from growing to provide additional storage, or the memory pool might be out of extents.

User response: Adjust the value of the **MESSAGEPOOLSIZE** parameter in the global configuration for the data server to provide additional storage to the data server.

Note: You might also have to increase the value of the **REGION** parameter in the data server JCL. If the problem persists, contact IBM Software Support.

0x00930003 (9633795) The data server detected an invalid method for indexed list processing.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00930004 (9633796) Indexed list processing was not able to obtain a required lock.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00930005 (9633797) Indexed list processing encountered an invalid list pointer.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00930006 (9633798) Indexed list processing encountered an invalid cursor pointer.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00930007 (9633799) The data server attempted to sequentially process a shared indexed list without a valid cursor.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00930008 (9633800) The data server attempted to set an unrecognized option in an indexed list.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x00930009 (9633801) The data server attempted to set an option of an indexed list to a value that is not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0093000A (9633802) The data server attempted to perform an action against an indexed list with a hash indicator that is currently unsupported.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0093000B (9633803) An indexed list reached its maximum number of entries.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0093000C (9633804) The data server expected to find an entry in an indexed list that it did not find.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0093000D (9633805) The data server failed to add a duplicate entry to an indexed list that does not support duplicates.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0093000E (9633806) The data server failed to dump the entries of an indexed list.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Replication apply service (0x0101nnnn)

Messages issued by the replication apply service in IMS replication and VSAM replication.

0x01010009 (16842761) This message contains diagnostic information for the runtime interface of the apply service. The data server issued this message at trace level one.

Explanation: This is an informational message that the data server issued at trace level one. It contains diagnostic information for the runtime interface of the apply service.

User response: No action is required.

0x0101000A (16842762) This message contains diagnostic information for the runtime interface of the apply service. The data server issued this message at trace level two.

Explanation: This is an informational message that the data server issued at trace level two. It contains diagnostic information for the runtime interface of the apply service.

User response: No action is required.

0x0101000B (16842763) This message contains diagnostic information for the runtime interface of the apply service. The data server issued this message at trace level three.

Explanation: This is an informational message that the data server issued at trace level three. It contains diagnostic information for the runtime interface of the apply service.

User response: No action is required.

0x0101000C (16842764) This message contains diagnostic information for the runtime interface of the apply service. The data server issued this message at trace level four.

Explanation: This is an informational message that the data server issued at trace level four. It contains diagnostic information for the runtime interface of the apply service.

User response: No action is required.

0x0101000D (16842765) This message contains diagnostic information for the runtime interface of the apply service. The data server issued this message at trace level five.

Explanation: This is an informational message that the data server issued at trace level five. It contains diagnostic information for the runtime interface of the apply service.

User response: No action is required.

0x0101000E (16842766) This message contains diagnostic information for the runtime interface of the apply service. The data server issued this message at trace level six.

Explanation: This is an informational message that the data server issued at trace level six. It contains diagnostic information for the runtime interface of the apply service.

User response: No action is required.

0x0101000F (16842767) This message contains diagnostic information for the runtime interface of the apply service. The data server issued this message at trace level seven.

Explanation: This is an informational message that the data server issued at trace level seven. It contains diagnostic information for the runtime interface of the apply service.

User response: No action is required.

0x01010010 (16842768) This message contains diagnostic information for the runtime interface of the apply service. The data server issued this message at trace level eight.

Explanation: This is an informational message that the data server issued at trace level eight. It contains diagnostic information for the runtime interface of the apply service.

User response: No action is required.

0x0101006e (16842862) The target server received an unexpected request to start replication for a subscription that is already active with a valid source server connection.

Explanation: The target server can only have a single connection for each subscription. The target server detected an attempt to start a subscription while it was already running. Because the subscription already had a valid source server connection, the new request is rejected and replication continues for the subscription.

User response: Use messages in the server to identify the source servers for the affected subscription. These source servers have a subscription with the same name. You can either recreate one of the subscriptions with a

new name or recreate one of the subscriptions to direct it to a different target server that does not already receive connections for this subscription name.

Replication capture service (0x0103nnnn)

Messages issued by the replication capture service in IMS replication, VSAM replication, and Classic change data capture.

0x01030001 (16973825) Internal error *action sub-component* **component in the capture cache for subscription** *subscription-name*. **The error code is** *specific-return-code*, **with reason codes** (*rc1,rc2*).

Explanation: The source server detected an unexpected error condition while accessing the capture cache associated with a subscription.

User response: For information about how to resolve the error, refer to the *specific-return-code* in the product message information.

0x01030005 (16973829) Expected data not retrieved during capture cache pruning for subscription *subscription-name*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030010 (16973840) Expected data not retrieved during capture cache repositioning for subscription *subscription-name*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030012 (16973842) Restart position not found in capture cache for subscription *subscription-name*. **Number of UORs skipped was** *UOR-count*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030015 (16973845) Error positioning message store for UOR *'UOR-identifier'* **for subscription** *subscription-name*. **The error code is** *specific-return-code*, **with reason codes** (*rc1,rc2*).

Explanation: The source server has detected an unexpected error condition while accessing the capture cache associated with a subscription.

User response: For information about how to resolve the error, refer to the *specific-return-code* in the product message information.

0x01030020 (16973856) Runtime environment corruption detected.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030026 (16973862) Stream manager does not exist for database class *number*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0103002D (16973869) Inconsistent stream information supplied by log reader *service-name* **for change stream** *stream-name*. **Change stream internal identifier is** *change-stream-handle*. **Identifier provided by log reader is** *invalid-handle*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0103002E (16973870) End notification received for change stream *stream-name* **from log reader** *service-name*, **however, the change stream is not in a termination state. Current change stream state is** *number*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0103002F (16973871) Unknown message type received from log reader *service-name* **on change stream** *stream-name*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030030 (16973872) An invalid message was received from log reader *service-name*. **A user command of type with an action of action was received.**

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030031 (16973873) Data received from log reader *service-name* on change stream *stream-name*. The regression was detected in LSN(*LSN-high-order-word*.*LSN-low-order-word*) with a timestamp of '*current-high-order-wordcurrent-low-order-word*'. The previously received timestamp was '*previous-high-order-word**previous-low-order-word*'.**

Explanation: The source server detected an ordering error on behalf of a log reader service. The message identifies the change stream that the ordering error was detected on, the log record sequence number of the timestamp of the record that was received out of order, and the timestamp of the previously received record. These timestamps are displayed as z/OS system clock values in hexadecimal format.

The source server does not know whether the data that was received out of order is eligible to be captured. The source server also does not know whether the detection of the order error was detected quickly enough to prevent data from being sent out of order to the target.

User response: Investigate the cause of the ordering error and attempt to determine whether the target server processed data out of order. If data was missed, the target databases are not correct and need to be resynchronized.

Contact IBM Software Support.

0x01030037 (16973879) Error locating tracking entry for log reader *service-name* for change stream *stream-name*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0103003A (16973882) Support module not loaded for database class *type*. Message received from log reader *service-name*.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x0103003C (16973884) Replication being activated for an unknown database class of *type*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0103003D (16973885) Error loading database class module '*module-name*'. Load return code is *error-code*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0103003E (16973886) Error mapping entry point '*function-name*' in database class module '*module-name*'.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0103003F (16973887) Database class *type* not loaded for subscription *subscription-name*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030050 (16973904) Duplicate UOR '*UOR-identifier*' detected for subscription *subscription-name* from log reader *service-name* on change stream *stream-name*. UOR start timestamp is *high-order-wordlow-order-word*.**

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030070 (16973936) Error loading output module '*module-name*'.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030071 (16973937) Invalid persistency state '*value*' for subscription *subscription-name*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030090 (16973968) MSGPREFIXJ080W INVALID NUMERIC DATA DETECTED FOR SUBSCRIPTION *SUBNAME* AND TABLE *TABLENAME* PUBLISHING TO SEND QUEUE *QUEUENAME*

Explanation: The capture service has encountered delimited format output for the identified subscription *subscription-name* and table *table-owner.table-name* that contains invalid numeric data. The system has flagged at least one row of delimited format output for the subscription and determined that it contains invalid numeric data. Only one CACJ080W message is issued per subscription for the current data server; however, multiple rows or messages might contain invalid data.

User response: No action is required.

0x01030091 (16973969) MSGPREFIXJ081I LIMIT OF MSGPREFIXJ080W MESSAGES HAS BEEN REACHED

Explanation: The administrator has requested a limit to the total number of CACJ080W console messages that the Classic data server issues by configuring the PUBBDWTOLIMIT parameter. That limit has been reached.

User response: No action is required.

0x01030092 (16973970) MSGPREFIXJ078W CONVERSION FAILURE DETECTED FOR SUBSCRIPTION *SUBNAME* AND TABLE *TABLENAME* PUBLISHING TO SEND QUEUE *QUEUE* MESSAGE CONVERTED TO HEXADECIMAL

Explanation: The publication service received a failure while trying to convert a message from the codepage that the source server is using to UTF-8. The failure is related to invalid data in the data columns or data that the specified conversion does not support.

User response: Determine whether the error occurred because the column contains character data that the codepage conversion process could not handle or because the data does not match the type specified in the column definition for the mapped table. Make any appropriate corrections to the source data or the table DDL.

0x01030093 (16973971) MSGPREFIXJ079I LIMIT OF MSGPREFIXJ078W MESSAGES HAS BEEN REACHED

Explanation: The administrator has requested a limit to the total number of CACJ078W console messages that the Classic data server issues by configuring the PUBBDWTOLIMIT parameter. That limit has been reached.

User response: No action is required.

0x010300A5 (16973989) An invalid journal identifier *journal-identifier* was returned by the target server for subscription *subscription-name*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010300A7 (16973991) Replication mapping not found.

Explanation: This message is issued when a replication mapping cannot be located in the source server runtime environment. A hexadecimal trace entry is produced that contains internal identifiers for the replication mapping that is in error.

User response: Contact IBM Software Support.

0x010300A8 (16973992) Error during capabilities exchange.

Explanation: This message is issued during a capabilities exchange with the target server.

User response: Contact IBM Software Support.

0x010300A9 (16973993) The target server is reporting an error that is causing replication to end immediately.

Explanation: The target server encountered a problem that is forcing replication to end immediately for a subscription.

User response: Review the target server event log to determine the cause of the problem.

0x010300AA (16973994) The target server did not confirm a table exchange.

Explanation: The target server encountered a problem while validating that replication was possible when the target server received the first change for a table.

User response: Review the target server event log to determine the cause of the problem.

0x010300C1 (16974017) Invalid conversation state for subscription *subscription-name*. Current state(*current-value*), expected state(*expected-value*).

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010300C3 (16974019) Look-up failed for replication mapping temporary ID *identifier* for subscription *subscription-name*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010300C5 (16974021) Link slot *slot-identifier* for session *session-identifier* not found.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010300C6 (16974022) The target server did not return a bookmark for subscription *subscription-name*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010300C7 (16974023) • 0x01090002 (17367042)

0x010300C7 (16974023) Unexpected response received from the target server for subscription *subscription-name* to message *message-type*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010300C8 (16974024) The session slot *session-identifier* for the link slot *slot-identifier* was not found.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030304 (16974596) Decompression failed for element type '*element-type*' at offset *relative-offset*. Failure reason *return-code* in log record with LSN *LSN-high-word.LSN-low-word* created on *timestamp-high-wordtimestamp-low-word*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030308 (16974600) Cached DBD information inconsistent. Segment *segment-name* not found in cache for DBD *DBD-name*. Source log record LSN *LSN-high-word.LSN-low-word* created on *timestamp-high-wordtimestamp-low-word*.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0103030A (16974602) Error decoding type 99 data capture log record. Offset in record where failure detected is *relative-offset* in log record with LSN *LSN-high-word.LSN-low-word* created on

timestamp-high-wordtimestamp-low-word.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x0103030C (16974604) An unexpected record type (*record-type*) was received from a log reader service. The buffer was sent at *timestamp-high-wordtimestamp-low-word* and contains *record-count* records. Diagnostics: Buffer Start(*buffer-start-address*) End(*buffer-end-address*) Record Start(*record-start-address*) End(*record-end-address*) Offset(*offset-in-buffer*)

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x01030317 (16974615) An invalid buffer was received from a log reader service. The buffer was sent at *timestamp-high-wordtimestamp-low-word* and contains *record-count* records. Diagnostics: Buffer Start(*buffer-start-address*) End(*buffer-end-address*) Record Start(*record-start-address*) End(*record-end-address*) Offset(*offset-in-buffer*)

Explanation: This is an internal error.

User response: Contact IBM Software Support.

Replication log reader service (0x0109nnnn)

Messages issued by the replication log reader services in IMS replication, VSAM replication, and Classic change data capture.

0x01090001 (17367041) The log reader service is about to invoke the log reader interface: Function: *function*; Stream: *stream-name*

Explanation: The log reader service issues this message to indicate that it is preparing to invoke the log reader interface. The value "N/A" is displayed for stream name if stream name does not apply to the requested function.

User response: No action is required.

0x01090002 (17367042) The log reader interface responded to the LRS call: Function: *function*; Stream: *stream-name*; RC: *return-code*

Explanation: The log reader service logs this message to indicate the status of an API call to the log reader interface. The value "N/A" is displayed for stream name if stream name does not apply to the requested function. RC is the return code value returned from the log reader interface.

User response: No action is required.

0x01090003 (17367043) Added filtering for database objects for stream: *stream-name*.

Explanation: The log reader service received a list of filter objects for the specified secondary stream.

User response: No action is required.

0x01090004 (17367044) Removed filtering for database objects for stream: *stream-name*.

Explanation: The log reader service received a request to remove the filter list for the specified stream.

User response: No action is required.

0x01090006 (17367046) The log reader service delayed stream deactivation for stream: *stream-name*.

Explanation: The log reader service delayed stream deactivation for the specified stream because stream activation processing was still in progress. Stream deactivation is attempted again when stream activation processing completes.

User response: No action is required.

Classic replication monitoring service (0x010bnnnn)

Messages issued by the Classic replication monitoring service in IMS replication, VSAM replication, and Classic change data capture.

0x010B000B (17498123) The data server dumped a buffer from the monitoring service that contains metrics information.

Explanation: This is an informational message.

User response: No action is required.

0x010B0015 (17498133) Apply service not defined on this server

Explanation: This is an informational message.

The apply service (CECAPLY) is not defined on this server.

System action: The Event Integration Facility (EIF) meantime and heartbeat process will not run on this server because the EIF meantime and heartbeat process only runs on target servers (those where the apply service is defined).

User response: No action is required.

0x010B0016 (17498134) Apply service runtime environment is not yet available

Explanation: This is an informational message.

The apply service (CECAPLY) runtime environment is not yet available.

System action: The Event Integration Facility (EIF) meantime and heartbeat process will not run on this server until the apply service runtime environment is available.

User response: No action is required.

0x010B0017 (17498135) The EIF meantime and heartbeat process has set its timer for subsequent execution.

Explanation: This is an informational message.

The Event Integration Facility (EIF) meantime and

heartbeat process found at least one subscription or workload for which meantime or heartbeat processing must be performed.

System action: The EIF meantime and heartbeat process will automatically run on this Classic server.

User response: No action is required.

0x010B0018 (17498136) An attempt to reschedule the EIF meantime and heartbeat process has failed

Explanation: This is an error message.

The Event Integration Facility (EIF) meantime and heartbeat process attempted to reschedule the process and failed.

System action: The EIF meantime and heartbeat process will not automatically run on this server.

User response: Modifying the EIF thresholds associated with a subscription or workload that has non-zero meantime or heartbeat values will trigger the EIF meantime and heartbeat process. If this problem persists, contact IBM Software Support.

0x010B0019 (17498137) The EIF meantime and heartbeat process has suspended itself

Explanation: This is an informational message.

The Event Integration Facility (EIF) meantime and heartbeat process determined that there are currently no subscriptions or workloads for which meantime or heartbeat processing must be performed.

System action: The EIF meantime and heartbeat process has suspended execution on this server. EIF meantime and heartbeat process will automatically run when a modification to a subscription or workload requires meantime or heartbeat processing.

User response: No action is required.

0x010B001A (17498138) Serialized update of latency accumulators failed for SUB=*subscription-name* and SET=*threshold-set*

Explanation: This is a warning message.

The Event Integration Facility (EIF) meantime and heartbeat process was unable to update the subscription or workload end-to-end latency accumulators for the identified *subscription-name* and *threshold-set*.

System action: Meantime processing is not performed for the workload associated with the identified subscription and threshold set. Meantime processing will be attempted again the next time that the identified workload is eligible for such processing.

User response: If the problem persists, contact IBM Software Support.

0x010B001B (17498139) Unexpected Latency State

Explanation: This is an error message.

An invalid latency state was detected.

System action: Processing continues with the next eligible subscription or workload.

User response: Contact IBM Software Support.

0x010B001C (17498140) Serialized update of EIF meantime and heartbeat state failed.

Explanation: This is an error message.

The Event Integration Facility (EIF) meantime and heartbeat process was unable to update its state information.

System action: Processing continues. The Event Integration Facility (EIF) meantime and heartbeat process will reschedule processing in all cases.

User response: Contact IBM Software Support.

0x010B001D (17498141) Serialized update of EIF meantime and heartbeat state failed.

Explanation: This is an error message.

The Event Integration Facility (EIF) meantime and heartbeat process was unable to update its state information.

System action: Processing continues. The EIF meantime and heartbeat process will reschedule processing in all cases.

User response: Contact IBM Software Support.

0x010B001F (17498143) The latency has not affected the latency state SUB=*subscription-name* SRCSYSID=*source-system-id* DATASRC=*data-source* WORKLOAD=*workload-name* WORKLOADTYPE=*workload-type* LATENCYSTATE=*latency-state* MEANTIME=*averaging-time* LATENCY=*latency-time*

Explanation: The subscription *subscription-name* latency state has not changed.

subscription-name

The subscription name.

source-system-id

The source system ID.

data-source

The source of the data replicated. The value of IMS indicates the data source is an IMS database. The value of VSAM indicates the data source is a VSAM dataset.

workload-name

The GDPS/Active-Active workload name assigned though a GDPS/A-A policy.

workload-type

The GDPS/Active-Active workload type. The value of "Active/Standby" indicates the workload is defined by a GDPS/A-A policy as an Active/Standby workload. The value of "Active/Query" indicates the workload is defined by a GDPS/A-A policy as an Active/Query workload. The value of "none" indicates the workload is not defined by a GDPS/A-A policy.

latency-state

The latency state of the workload. The value of ACUTE indicates the workload state is acute. The value of CRITICAL indicates the workload state is critical. The value of CONSTRAINED indicates the workload state is constrained. The value of NORMAL indicates the workload state is normal.

averaging-time

The time value used when averaging the apply latency of the subscription.

latency-time

The averaged or non-averaged end-to-end apply latency time of the subscription.

User response: See com.ibm.swg.im.iis.imsr.aa.event.doc/topics/iityoiaaeventclassattr.dita for additional information. No action is required.

Classic replication runtime environment (0x010dnnnn)

Messages issued by the Classic replication runtime environment layer in IMS replication, VSAM replication, and Classic change data capture.

0x010D0001 (17629185) The administration service received an invalid first parameter.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0002 (17629186) The administration service received an invalid second parameter.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0003 (17629187) The administration service received an invalid third parameter.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0004 (17629188) The administration service received an invalid fourth parameter.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0005 (17629189) The following message contains diagnostic information for the administration service. The data server issued this message at trace level one.

Explanation: This is an informational message that the data server issued at trace level one. The message contains diagnostic information for the administration service.

User response: No action is required.

0x010D0006 (17629190) The following message contains diagnostic information for the administration service. The data server issued this message at trace level two.

Explanation: This is an informational message that the data server issued at trace level two. The message contains diagnostic information for the administration service.

User response: No action is required.

0x010D0007 (17629191) The following message contains diagnostic information for the administration service. The data server issued this message at trace level three.

Explanation: This is an informational message that the

data server issued at trace level three. The message contains diagnostic information for the administration service.

User response: No action is required.

0x010D0008 (17629192) The following message contains diagnostic information for the administration service. The data server issued this message at trace level four.

Explanation: This is an informational message that the data server issued at trace level four. The message contains diagnostic information for the administration service.

User response: No action is required.

0x010D0009 (17629193) The administration service was unable to find connection information.

Explanation: The administration service was unable to find existing connection information for a connection that it already received, or space to store new connection information.

User response: Increase the value of the **MAXUSERS** parameter for the administration service, restart the data server, and try the operation again.

If the problem persists, Contact IBM Software Support.

0x010D000A (17629194) The administration service received an invalid internal message.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D000B (17629195) The administration service could not find the runtime environment.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D000C (17629196) The administration service could not find a control block for a subscription.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D000D (17629197) The administration service could not find a control block for a replication mapping.

0x010D0015 (17629205) • 0x010D001C (17629212)

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0015 (17629205) MAXTIME > 0 and RESETTIME = 0 in latency set *latency-set* for subscription *subscription-name*

Explanation: The value of the maximum latency threshold (MAXTIME) is greater than zero but the value of the reset latency threshold (RESETTIME) is zero.

System action: The Classic data server will emit, at the most, one maximum latency exceeded event (AA_replication_max_latency_exceeded) for the identified subscription and latency threshold set.

User response: Set the RESETTIME latency threshold to a non-zero value.

0x010D0016 (17629206) MAXTIME > 0 and RESETTIME >= MAXTIME in latency set *latency-set* for subscription *subscription-name*

Explanation: The value of the maximum latency threshold (MAXTIME) is less than the value of the reset latency threshold (RESETTIME).

System action: The Classic data server will not emit any maximum latency exceeded events (AA_replication_max_latency_exceeded) for the identified subscription and latency threshold set.

User response: Set the latency threshold values so that the value of the RESETTIME latency threshold is less than the value of the MAXTIME latency threshold.

0x010D0017 (17629207) MAXTIME = 0 and RESETTIME > 0 in latency set *latency-set* for subscription *subscription-name*

Explanation: The maximum latency threshold value (MAXTIME) is zero and the reset latency threshold value (RESETTIME) is non-zero.

System action: The Classic data server will not emit any maximum latency exceeded events (AA_replication_max_latency_exceeded) for the identified subscription and latency threshold set.

User response: Set the latency threshold values so that the value of the MAXTIME latency threshold is greater than the value of the RESETTIME latency threshold.

0x010D0018 (17629208) MEANTIME is non-zero but all latency thresholds are 0 in latency set *latency-set* for subscription *subscription-name*

Explanation: The MEANTIME value is non-zero and all latency thresholds in the set are zero.

System action: The Classic data server will not emit averaged latency exceeded events for the identified subscription and threshold set.

User response: Set MEANTIME to zero or set an averaged latency threshold to a non-zero value.

0x010D0019 (17629209) RESETTIME >= CONSTRAINEDTIME in latency set *latency-set* for subscription *subscription-name*

Explanation: The value of the reset latency threshold (RESETTIME) is greater than the value of the constrained latency threshold (CONSTRAINEDTIME).

System action: The Classic data server will falsely emit either CONSTRAINEDTIME latency exceeded events (AA_replication_constrained_latency_exceeded) or CRITICALTIME latency exceeded events (AA_replication_critical_latency_exceeded) for the identified subscription and latency threshold set.

User response: The constrained latency threshold (CONSTRAINEDTIME) value is derived as 80% of maximum latency (MAXTIME) value. Set the RESETTIME latency threshold so that the reset latency threshold value is less than the constrained latency threshold (CONSTRAINEDTIME) value.

0x010D001A (17629210) DISCRETETIME is less than or equal to MAXTIME in latency set *latency-set* for subscription *subscription-name*

Explanation: The value of the discrete latency threshold (DISCRETETIME) is less than or equal to the value of the maximum latency threshold (MAXTIME).

System action: The Classic data server will emit DISCRETETIME latency exceeded events (AA_replication_discrete_latency_exceeded) for the identified subscription and latency threshold set.

User response: Set the DISCRETETIME latency threshold values so that the discrete latency threshold value is greater than the maximum latency threshold value.

0x010D001C (17629212) MEANTIME = *meantime-value* in latency set *latency-set* for subscription *subscription-name*; therefore, apply latency values will not be averaged.

Explanation: The Classic data server uses the value of the mean time latency threshold (MEANTIME) to determine whether the apply latency values of the identified subscription and threshold set will be averaged. Latency averaging determines where and how GDPS/Active-Active Event Integration Facility (EIF) events are produced.

System action: The Classic data server will not average apply latency for the identified subscription

and latency threshold set when the value of MEANTIME is zero.

User response: No action is required.

0x010D001D (17629213) The subscription meantime = *meantime-value* in latency set *latency-set* for subscription *subscription-name*; therefore, apply latency values will be averaged.

Explanation: The Classic data server uses the value of the mean time latency threshold (MEANTIME) to determine whether the apply latency values of the identified subscription and threshold set will be averaged. Latency averaging determines where and how GDPS/Active-Active Event Integration Facility (EIF) events are produced.

System action: The Classic data server will average apply latency for the identified subscription and threshold set when the value of MEANTIME is greater than zero.

User response: No action is required.

0x010D0040 (17629248) The MAA anchor has not been set

Explanation: The monitoring service (CECMAA) anchor has not yet been set.

System action: The meantime and heartbeat process is not notified of this change. The meantime and heartbeat process will detect this change the next time that it runs.

User response: Verify that the monitoring service is running.

0x010D0041 (17629249) The MAA service control block is not present.

Explanation: The monitoring service control block has not been set.

System action: The meantime and heartbeat process is not notified of this change. The meantime and heartbeat process will detect this change the next time that it runs.

User response: Verify that the monitoring service is running.

0x010D0042 (17629250) Multiple MAA service control blocks are present

Explanation: This is an internal error.

System action: The meantime and heartbeat process is not notified of this change. The meantime and heartbeat process will detect this change the next time that it runs.

User response: Contact IBM Software Support.

0x010D0043 (17629251) The MAA control block has not been set.

Explanation: This is an internal error.

System action: The meantime and heartbeat process is not notified of this change. The meantime and heartbeat process will detect this change the next time that it runs.

User response: Contact IBM Software Support.

0x010D0044 (17629252) The meantime and heartbeat process has not initialized.

Explanation: This is an informational message.

System action: The meantime and heartbeat process is not notified of this change. The meantime and heartbeat process will detect this change the next time that it runs.

User response: Verify that the monitoring service is running.

0x010D0045 (17629253) Notification is not required.

Explanation: This is an internal trace message.

System action: Processing continues.

User response: No action is required.

0x010D0046 (17629254) Serialized update failed.

Explanation: This is an internal error message.

System action: The meantime and heartbeat process is not notified of this change. The meantime and heartbeat process will detect this change the next time that it runs.

User response: If this problem persists, contact IBM Software Support.

0x010D0047 (17629255) An error has occurred in association with the meantime and heartbeat event control block.

Explanation: This is an internal error message.

System action: The meantime and heartbeat process is not notified of this change. The meantime and heartbeat process will detect this change the next time that it runs.

User response: Contact IBM Software Support.

0x010D0048 (17629256) The meantime and heartbeat process was successfully posted

Explanation: This is an informational message.

System action: Processing continues.

User response: No action is required.

0x010D0049 (17629257) Posting of the meantime and heartbeat process was not necessary

Explanation: This is an informational message.

System action: Processing continues.

User response: No action is required.

0x010D0101 (17629441) The administration service could not find the runtime environment or a passed value for the runtime environment was invalid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0102 (17629442) The data server was unable to access a control block that it requires to access the Classic catalog.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0104 (17629444) Runtime processing failed to create a control block that the data server requires to access the Classic catalog.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0105 (17629445) This message contains diagnostic information for the runtime interface of the administration service. The data server issued this message at trace level one.

Explanation: This is an informational message that the data server issued at trace level one. It contains diagnostic information for the runtime interface of the administration service.

User response: No action is required.

0x010D0106 (17629446) This message contains diagnostic information for the runtime interface of the administration service. The data server issued this message at trace level two.

Explanation: This is an informational message that the data server issued at trace level two. It contains diagnostic information for the runtime interface of the administration service.

User response: No action is required.

0x010D0107 (17629447) This message contains diagnostic information for the runtime interface of the administration service. The data server issued this message at trace level three.

Explanation: This is an informational message that the data server issued at trace level three. It contains diagnostic information for the runtime interface of the administration service.

User response: No action is required.

0x010D0108 (17629448) This message contains diagnostic information for the runtime interface of the administration service. The data server issued this message at trace level four.

Explanation: This is an informational message that the data server issued at trace level four. It contains diagnostic information for the runtime interface of the administration service.

User response: No action is required.

0x010D0109 (17629449) The data server has insufficient memory to allocate the replication runtime environment.

Explanation: The data server failed to allocate the memory required to establish the runtime environment.

User response: Increase the value of the **MESSAGEPOOLSIZE** parameter in the data server configuration to ensure that enough memory is available for the data server. If you increase the value of **MESSAGEPOOLSIZE**, increase the value of the **REGION** parameter in the data server JCL.

If increasing the value of **MESSAGEPOOLSIZE** does not resolve the problem, contact IBM Software Support.

0x010D010A (17629450) The data server failed to access the Classic catalog.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D010B (17629451) The data server encountered a subscription that contains values that are not valid. The subscription might be corrupted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D010D (17629453) The data server failed to persist a subscription.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D010E (17629454) The data server failed to persist a new subscription. The subscription name is already in use.

Explanation: You cannot have two subscriptions with the same name in a source server. The data server cannot process the new subscription because another subscription with the same name already exists.

User response: Give your new subscription a unique name and try the operation again.

0x010D010F (17629455) The data server failed to modify, delete, or perform another operation against a subscription because the subscription is replicating.

Explanation: You cannot modify a subscription while replication is active.

User response: Stop replication for the subscription and try the operation again.

0x010D0110 (17629456) The data server failed to modify, delete, or perform another operation against a subscription because the subscription is locked for another update.

Explanation: You cannot modify a subscription while it is locked for update.

User response: Wait for the other operation to complete and to release the subscription, then try the operation again.

0x010D0111 (17629457) The data server attempted to unlock a subscription that is not locked.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0112 (17629458) The data server attempted to lock a subscription with an invalid reason.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0113 (17629459) The data server failed to establish an enqueue for the VSAM file that contains metadata for subscriptions.

Explanation: The data server could not obtain exclusive control of the VSAM file that contains metadata for subscriptions.

User response: Ensure that no other data server obtained an enqueue on the file by issuing the following command:

```
D GRS,RES=(SYSSEC,*)
```

The enqueue minor name has the following format::

```
CECREPL_CG_Subscription-Metadata-File-Name
```

Stop any other data server that holds an enqueue, and then retry the operation.

0x010D0114 (17629460) The data server encountered a replication object or mapping that contains values that are not valid. The replication object or mapping might be corrupted.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0116 (17629462) The data server failed to persist a replication object or mapping.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0119 (17629465) The data server failed to establish an enqueue for the VSAM file that contains metadata for replication objects and mappings.

Explanation: The data server could not obtain exclusive control of the VSAM file that contains metadata for replication objects and mappings.

User response: Ensure that no other data server obtained an enqueue on the file by issuing the following command:

```
D GRS,RES=(SYSSEC,*)
```

The enqueue minor name has the following format::
CECREPL_RO_Replication-Object-Metadata-File-Name

Stop any other data server that holds an enqueue, and then retry the operation.

0x010D011D (17629469) The data server could not find a database description (DBD) in the database description library (DBDLIB).

Explanation: The data server could not find a DBD in the DBDLIB.

User response: Ensure that the DBD exists in the DBDLIB. Review the log for additional messages that indicate the specific failure.

If the problem persists, contact IBM Software Support.

0x010D011E (17629470) The runtime interface for the administration service determined that the subscription is locked for Describe processing.

Explanation: The requested operation against the subscription cannot occur while the subscription is locked for Describe processing.

User response: Wait until the subscription is no longer locked for Describe processing, and then retry the operation.

If the problem persists, contact IBM Software Support.

0x010D011F (17629471) The runtime interface for the administration service determined that the replication mapping is locked for replication processing.

Explanation: The requested operation against the replication mapping cannot occur while the replication mapping is locked for replication processing.

User response: Wait until the replication mapping is no longer locked for replication processing, and then retry the operation.

If the problem persists, contact IBM Software Support.

0x010D0120 (17629472) The runtime interface for the administration service determined that the replication mapping is locked for update processing.

Explanation: The requested operation against the replication mapping cannot occur while the replication mapping is locked for update processing.

User response: Wait until the replication mapping is no longer locked for update processing, and then retry the operation.

If the problem persists, contact IBM Software Support.

0x010D0121 (17629473) The runtime interface for the administration service received a request to unlock a control block for a replication mapping. The control block was not locked.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0122 (17629474) The runtime interface for the administration service failed to obtain or release a lock on a control block for a replication mapping.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0123 (17629475) The runtime interface for the administration service received a lock request that was not valid.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0124 (17629476) The runtime interface for the administration service determined that the replication mapping is locked for Describe processing.

Explanation: The requested operation against the replication mapping cannot occur while the replication mapping is locked for Describe processing.

User response: Wait until the replication mapping is no longer locked for Describe processing, and then retry the operation. If the problem persists, contact IBM Software Support.

0x010D0125 (17629477) The runtime interface for the administration service determined that an internal identifier reached its maximum value.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0127 (17629479) An attempt to modify, delete or perform a replication operation against a subscription failed because the subscription is currently locked for another update.

Explanation: The subscription cannot be modified and no other replication operation may be executed against the subscription while it is locked for update.

User response: Wait for the other operation to complete and the subscription to be unlocked and then try this operation again.

0x010D0128 (17629480) An attempt was made to unlock a subscription that is not locked.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0129 (17629481) The administration service runtime interface failed to obtain or release a lock on a replication object control block.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D012A (17629482) An attempt to made to lock a subscription with an invalid reason.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

0x010D0139 (17629497) Sub *subscription-name* record is not current and will be migrated. Type specific record will *action* be migrated.

Explanation: The runtime interface for the administration service has determined that the subscription record read is not current and must be migrated.

subscription-name
The subscription name.

action The action as to whether a the subscription record will be migrated.

User response: No action.

0x010D013A (17629498) Sub *subscription-name* record signature problem.

Explanation: The runtime interface for the administration service has determined that the subscription record loaded does not have the record signature of a subscription record.

subscription-name
The subscription name.

User response: Verify that the subscription dataset specified on the CECSUB DD is that of a valid subscription dataset.

0x010D013B (17629499) Sub *subscription-name* record length problem *record-length* != *subscription-record-length* - *subscription-specific-record-length*.

Explanation: The runtime interface for the administration service has determined that the length of the subscription record read is not that of the current supported subscription record size.

subscription-name
The subscription name.

record-length
The length of the subscription record read.

subscription-record-length
The subscription record length.

subscription-specific-record-length
The subscription specific record length.

User response: Verify that the subscription dataset specified on the CECSUB DD is that of a valid subscription dataset.

0x010D013C (17629500) Sub *subscription-name* record from prior version *record-length* != *subscription-record-length* - *subscription-specific-record-length*, will be migrated.

Explanation: The runtime interface for the administration service has determined that the subscription record read is not current and must be migrated.

subscription-name
The subscription name.

record-length
The length of the subscription record read.

subscription-record-length
The subscription record length.

subscription-specific-record-length
The subscription specific record length.

User response: No action.

0x010D013D (17629501) Sub *subscription-name* record from prior version *record-length* != *subscription-record-length* - *subscription-specific-record-length*, will be migrated.

Explanation: The runtime interface for the administration service has determined that the subscription record read is not current and must be migrated.

subscription-name
The subscription name.

record-length
The length of the subscription record read.

subscription-record-length
The subscription record length.

subscription-specific-record-length
The subscription specific record length.

User response: No action.

0x010D013E (17629502) Sub *subscription-name* record version problem.

Explanation: The runtime interface for the administration service has determined that the subscription record loaded does not have the record version of a supported subscription record.

subscription-name

The subscription name.

User response: Verify that the subscription dataset specified on the CECSUB DD is that of a valid subscription dataset.

0x010D013F (17629503) Sub *subscription-name* record CDC specific record version problem.

Explanation: The runtime interface for the administration service has determined that the subscription CDC specific record loaded does not have the record version of a supported subscription CDC specific record.

subscription-name

The subscription name.

User response: Verify that the subscription dataset specified on the CECSUB DD is that of a valid subscription dataset.

0x010D0140 (17629504) Sub *subscription-name* record I2I specific record version problem.

Explanation: The runtime interface for the administration service has determined that the subscription I2I specific record loaded does not have the record version of a supported subscription I2I specific record.

subscription-name

The subscription name.

User response: Verify that the subscription dataset specified on the CECSUB DD is that of a valid subscription dataset.

0x010D0141 (17629505) Sub *subscription-name* record V2V specific record version problem.

Explanation: The runtime interface for the administration service has determined that the subscription V2V specific record loaded does not have the record version of a supported subscription V2V specific record.

subscription-name

The subscription name.

User response: Verify that the subscription dataset specified on the CECSUB DD is that of a valid subscription dataset.

0x010D0142 (17629506) Migrating sub *subscription-name* from version *record-version* to version *current-version*.

Explanation: The runtime interface for the administration service is migrating just the common subscription record.

subscription-name

The subscription name.

record-version

The version of the subscription record read.

current-version

The current subscription record version.

User response: No action.

0x010D0143 (17629507) Migrating sub *subscription-name* from version *record-version* to version *current-version* and CDC specific version *CDC-record-version* to version *CDC-current-version*.

Explanation: The runtime interface for the administration service is migrating both the common and the CDC specific subscription records.

subscription-name

The subscription name.

record-version

The version of the subscription record read.

current-version

The current subscription record version.

CDC-record-version

The version of the CDC specific subscription record read.

CDC-current-version

The current CDC specific subscription record version.

User response: No action.

0x010D0144 (17629508) Migrating sub *subscription-name* from version *record-version* to version *current-version* and IMS specific version *IMS-record-version* to version *IMS-current-version*.

Explanation: The runtime interface for the administration service is migrating both the common and the IMS specific subscription records.

subscription-name

The subscription name.

record-version

The version of the subscription record read.

current-version

The current subscription record version.

IMS-record-version

The version of the IMS specific subscription record read.

IMS-current-version

The current IMS specific subscription record version.

User response: No action.

**0x010D0145 (17629509) Migrating sub
subscription-name from version
record-version to version current-version
and V2V specific version
VSAM-record-version to version
VSAM-current-version.**

Explanation: The runtime interface for the administration service is migrating both the common and the VSAM specific subscription records.

subscription-name

The subscription name.

record-version

The version of the subscription record read.

current-version

The current subscription record version.

VSAM-record-version

The version of the VSAM specific subscription record read.

VSAM-current-version

The current VSAM specific subscription record version.

User response: No action.

0x010D0146 (17629510) Unsupported sub specific records will not be migrated.

Explanation: The runtime interface for the administration service has determined that the subscription specific record loaded must be migrated but cannot determine the specific record type.

User response: Verify that the subscription dataset specified on the CECSUB DD is that of a valid subscription dataset.

0x010D0147 (17629511) Created subscription common.

Explanation: The runtime interface for the administration service has migrated the common portion of the subscription record read.

User response: No action.

0x010D0148 (17629512) Sub version subscription-version migration not supported.

Explanation: The runtime interface for the administration service cannot support the migration of the subscription record.

subscription-version

The version of the subscription record to be migrated.

User response: Verify that the subscription dataset specified on the CECSUB DD is that of a valid subscription dataset.

**0x010D0149 (17629513) Sub CDC specific version
CDC-specific-subscription-version migration
not supported.**

Explanation: The runtime interface for the administration service cannot support the migration of the CDC specific subscription record.

CDC-specific-subscription-version

The version of the CDC specific subscription record to be migrated.

User response: Verify that the subscription dataset specified on the CECSUB DD is that of a valid subscription dataset.

**0x010D014A (17629514) Sub IMS specific version
IMS-specific-subscription-version migration
not supported.**

Explanation: The runtime interface for the administration service cannot support the migration of the IMS specific subscription record.

IMS-specific-subscription-version

The version of the IMS specific subscription record to be migrated.

User response: Verify that the subscription dataset specified on the CECSUB DD is that of a valid subscription dataset.

**0x010D014B (17629515) Sub V2V specific version
VSAM-specific-subscription-version
migration not supported.**

Explanation: The runtime interface for the administration service cannot support the migration of the VSAM specific subscription record.

VSAM-specific-subscription-version

The version of the VSAM specific subscription record to be migrated.

User response: Verify that the subscription dataset specified on the CECSUB DD is that of a valid subscription dataset.

Intertask communication messages (ICMs) (0x0112nnnn)

Messages issued by the components related to problems in the common routines and macros for ICMs.

0x01120001 (17956865) Intertask communication message error in parameter 1.

Explanation: Internal error.

User response: Contact IBM Software support.

0x01120002 (17956866) Intertask communication message error in parameter 2.

Explanation: Internal error.

User response: Contact IBM Software support.

0x01120003 (17956867) Intertask communication message error in parameter 3.

Explanation: Internal error.

User response: Contact IBM Software support.

0x01120004 (17956868) Intertask communication message error in parameter 4.

Explanation: Internal error.

User response: Contact IBM Software support.

0x01120005 (17956869) The server issued an intertask communication message trace message issued at level 1.

Explanation: This is an informational message.

User response: No action is required.

0x01120006 (17956870) The server issued an intertask communication message trace message issued at level 2.

Explanation: This is an informational message.

User response: No action is required.

0x01120007 (17956871) The server issued an intertask communication message trace message issued at level 3.

Explanation: This is an informational message.

User response: No action is required.

0x01120008 (17956872) The server issued an intertask communication message trace message issued at level 4.

Explanation: This is an informational message.

User response: No action is required.

Conversion messages (0x0113nnnn)

Messages related to the conversion wrapper.

0x01130001 (18022401) A conversion wrapper error was detected in parameter 1.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x01130002 (18022402) A conversion wrapper error was detected in parameter 2.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x01130003 (18022403) A conversion wrapper error was detected in parameter 3.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x01130004 (18022404) A conversion wrapper error was detected in parameter 4.

Explanation: This is an internal error.

User response: Contact IBM Software support.

0x01130005 (18022405) A trace message was issued by the conversion wrapper at level 1.

Explanation: This is an informational message.

User response: No action is required.

0x01130006 (18022406) A trace message was issued by the conversion wrapper at level 2.

Explanation: This is an informational message.

User response: No action is required.

0x01130007 (18022407) A trace message was issued by the conversion wrapper at level 3.

Explanation: This is an informational message.

User response: No action is required.

0x01130008 (18022408) A trace message was issued by the conversion wrapper at level 4.

Explanation: This is an informational message.

User response: No action is required.

0x01130009 (18022409) The conversion wrapper failed to initialize the conversion environment.

Explanation: The conversion wrapper was unable to initialize the CUNLCNV environment for the requested codepages.

User response: Review the CUNLCNV codes in the data values and ensure that the required codepages are installed on the LPAR. If you cannot resolve the problem, contact IBM Software Support.

0x0113000A (18022410) The conversion wrapper failed to convert a buffer.

Explanation: The conversion wrapper was unable to convert a buffer by using the established CUNLCNV environment.

User response: "Review the CUNLCNV codes in the data values and ensure that the codepages include

General server messages (CAC0)

CAC00100I CONTROLLER: LOGGING STARTED.

Explanation: The controller task successfully opened the log file and logging started.

User response: No action is required.

CAC00101I CONTROLLER: NOT LOGGING.

Explanation: The log file could not be opened.

User response: Check the JCL to ensure that a valid DD or DLBL was included for CACLOG.

CAC00102I xxxxxxxxx: STARTED yyyyyyyy.

Explanation: The xxxxxxxxx task started the yyyyyyyy task.

User response: No action is required.

CAC00103I DATA SERVER: xxxx READY.

Explanation: The data server, version xxxx, can handle user requests.

support for all the characters in the buffer. Use the trace messages to help identify and correct the problem. If you cannot resolve the problem, contact IBM Software Support."

0x0113000B (18022411) The conversion wrapper failed to convert a buffer because the buffer contains an unsupported character.

Explanation: The conversion wrapper was unable to convert a buffer by using the established CUNLCNV environment. The buffer includes an unsupported character and the CUNLCNV environment cannot map that character to a target character.

User response: "Review the CUNLCNV codes in the data values and ensure that the codepages include support for all the characters in the buffer. Use the trace messages to help identify and correct the problem. If you cannot resolve the problem, contact IBM Software Support."

0x0113000C (18022412) The conversion wrapper failed while trying to shut down the conversion environment.

Explanation: The conversion wrapper was unable to shut down the CUNLCNV environment for the requested codepages.

User response: Review the CUNLCNV codes in the data values and take corrective action. If you cannot resolve the problem, contact IBM Software Support.

User response: No action is required.

CAC00104E DATA SERVER: FAILED INITIALIZATION xxx.yyy (zzz).

Explanation: The data server did not initialize.

User response: See return code yyy (decimal) or zzzz (hexadecimal) for more information.

CAC00105I xxxxxxxx: STARTED.

Explanation: The xxxxxxxx task started processing.

User response: No action is required.

CAC00106I xxxxxxxx: TERMINATING.

Explanation: The xxxxxx task is stopping.

User response: If this is not the result of the stop command, check the console or log file for additional messages.

CAC00107E IMS REGION CONTROLLER TERM

ECB=xnnnnnnnnn Snnn/Unnnn

Explanation: The IMS BMP/DBB service accessed IMS data. The IMS region controller abended. In the message text, the ECB value of the IMS region controller DFSRRC00 is displayed and the system or user abend code is generated by the IMS region controller.

User response: For a system abend, see the DB2 UDB for z/OS Messages manual to determine the meaning of the abend code. For a user abend, see the Messages and Codes documentation for your version of IMS to determine the meaning of the abend code.

**CAC00107I USER *User-Name* SESSIONID *Session-ID*
BREACHED 50% SUBPOOL
THRESHOLD**

Explanation:

User response: No action is required.

**CAC00108E DRA: UNABLE TO CONNECT TO IMS
- SERVICE TERMINATING.**

Explanation: The IMS DRA service could not connect to IMS.

User response: This problem is typically caused by a configuration or setup error. Possible errors that can cause this kind of failure include:

- An incorrect suffix value was specified on the DRATABLESUFFIX configuration parameter.
- The STEPLIB concatenation for the data server did not reference the load library where the DFSPZP member is located, or the member does not exist. The name of the DRA startup table load module is DFSPSZ with the DRATABLESUFFIX value appended to the end of the name. For example, when DRATABLESUFFIX = 01 is specified, the module name is DFSPZP01.
- The values supplied on the DFSPRP macro used to create the DFSPZP module are not correct. In particular, supplying an incorrect DBCTLID or DSNNAME can cause this kind of error.

**CAC00109E DRA: INITIALIZATION
PAPLFUNC=*nnnn(xnnx)*,
PAPLSFNC=*nnnn(xnnx)*,
PAPLRCOD=*nnnn(xnnx)*,
PAPLRETC=*nnnn(xnnx)*.**

Explanation: The IMS DRA service accessed IMS data. Upon service initialization, DRA reported an error. The message displays the PAPLFUNC, PAPLSFNC, PAPLRCOD, and PAPLRETC values in both decimal and hexadecimal.

User response: See the DBCTL return code information in the Messages and Codes documentation

for your version of IMS to determine the meaning of the failure.

**CAC00110E DRA: INIT, CONTROL EXIT NEVER
RAN.**

Explanation: Initialization of the DRA environment stopped because the DRA control exit could not run within an internally specified amount of time.

User response: Contact IBM Software Support.

CAC00110I STOP PROCESSING COMPLETED

Explanation: The data server has completed processing a STOP command and is no longer running.

User response: No action is required.

**CAC00111E DRA: INITIALIZATION FAILED -
CONTROL EXIT
PAPLFUNC=*nnnn(xnn)*,
PAPLSFNC=*nnnn(xnn)*.**

Explanation: The IMS DRA service accessed IMS data. Upon service initialization, the control exit that is used to monitor DRA reported an error. This control exit is provided with the data server. The message displays PAPLFUNC and PAPLSFNC values, which are reported by the exit in both decimal and hexadecimal.

User response: See the Messages and Codes documentation for your version of IMS to determine the meaning of the failure return code.

**CAC00111W DRA: IDENTIFY FAILURE,
PAPLFUNC=*nnnn(xnn)*,
PAPLSFNC=*nnnn(xnn)*,
PAPLRCOD=*nnnn(xnn)*,
PAPLRETC=*nnnn(xnn)***

Explanation: The enterprise server DSH service attempted to start multiple instances of IMS DRA data servers. The DRA service is retrying the IDENTIFY procedure by suffixing the specified DRA USERID with the characters "0" through "999" until it is successful. If the procedure is not successful after reaching "999", or due to the length of the generated DRA USERID, the start of the DRA service will stop.

The message displays the PAPLFUNC, PAPLSFNC, PAPLRCOD, and PAPLRETC values in decimal and hexadecimal.

User response: If the configuration does not involve the enterprise server and multiple servers are using the same DRA USERID, try changing the DRA interface services to use different DRA USERIDs.

CAC00112E UNABLE TO FREE MEMORY - POSSIBLE CORRUPTION.

Explanation: An attempt to free memory from the memory pool stopped. The message pool might be corrupt. The SYSTERM data set contains a SAS/C-generated call-stack trace that identifies the function that attempted to free the memory.

User response: If this message is issued from a data or enterprise server, that server should be shut down and then restarted. Collect the call back trace and contact IBM Software Support.

CAC00113I CONTROLLER: LOGGING ACTIVE.

Explanation: An operator command was issued to activate the Logger task. The Logger is active and the Controller has established a session with the Logger. Any errors that are detected by the Controller will now be logged.

User response: No action is required.

CAC00114W CONTROLLER: LOGGING UNAVAILABLE.

Explanation: An operator command activated the Logger task. The Logger is active but the Controller was unable to establish a session with the Logger. The Controller cannot report errors.

User response: The data or enterprise server operational environment is probably unstable and must be recycled.

CAC00115W CONTROLLER: SERVICE xxxxxx, TASKID nnnnnnn ENDED WITH ECB n!

Explanation: A service ended prematurely. The service name and its task ID are identified in the message. The ECB value that causes the service to stop is also identified (this is usually zero). Clients that were using that service will time out or report communication-related error messages when they attempt to use the service that ended.

Depending on the service that ended and its service information entry task settings, the data or enterprise server might attempt to start another instance of the service. If this occurs and the restarted service also ends, there are probably errors in the configuration file.

User response: Review the service information entry definitions for the service to ensure that they are correct.

CAC00116E DATA SERVER HAS TERMINATED ABNORMALLY.

Explanation: The server stopped.

User response: Review the JES, SYSTERM, and logger output to see what kinds of errors were reported.

CAC00117E POST FAILED IN RESOURCE MANAGER.

Explanation: This is an internal error.

User response: Contact IBM Software Support..

CAC00118E POST FAILED IN MSTAMSGH.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

CAC00119E OPEN - INSERT MESSAGE BUFFER FAILED.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

CAC00120I RESOURCE MANAGER HAS RECEIVED CONTROL.

Explanation: The enterprise server resource manager that monitors data servers received control. A data server that is managed by the enterprise server is stopping.

User response: No action is required.

CAC00121W BAD RETURN CODE FROM WTO.

Explanation: The data or enterprise server attempted to issue a WTO message; however, an unexpected return code was received from the WTO macro.

User response: Contact IBM Software Support.

CAC00122E UNABLE TO ACQUIRE STORAGE.

Explanation: The data or enterprise server attempted to issue a WTO message; however, the data or enterprise server was unable to allocate storage for the message.

User response: Stop the data or enterprise server, increase the REGION size, and decrease the MESSAGE POOL SIZE. WTO message storage is allocated out of virtual memory that is not controlled by the MESSAGE POOL SIZE setting.

CAC00123W WTO MSG EXCEEDS MAX LENGTH.

Explanation: The data or enterprise server attempted to issue a WTO message; however, the length of the message exceeded 127 characters. The message was not displayed.

User response: No action is required.

CAC00130E DB2 THREAD MANAGEMENT EXIT - INIT FAILED RC=nn.

Explanation: The DB2 Thread Management Exit issued a nonzero return code when called to perform initialization processing by the CAF service. The RC identifies the decimal return code that was returned by the DB2 Thread Management Exit. The CAF service is not operational.

User response: See the DB2 Thread Management Exit that is named on the SERVICE INFO ENTRY for the DB2 CAF service in the master configuration. If you cannot determine the cause of the error, or are running the supplied DB2 Thread Management Exit, contact IBM Software Support.

CAC00131E DB2 SUBSYSTEM TERMINATING ECB=xxxxxxxx.

Explanation: A console operator requested a shutdown of the DB2 Universal Database (UDB) subsystem with the -STOP DB2 command. The CAF thread automatically disconnects from DB2 so that DB2 can shut down normally. DB2 access is disabled until both the DB2 subsystem and the CAF services defined for the specific subsystem are restarted.

User response: No action is required.

CAC00132E DB2 THREAD MANAGEMENT EXIT - TERM FAILED RC=nn.

Explanation: The DB2 Thread Management Exit issued a nonzero code when called to perform termination processing by the CAF service. The RC identifies the decimal return code that was returned by the DB2 Thread Management Exit.

User response: See the DB2 Thread Management Exit that is named on the SERVICE INFO ENTRY for the DB2 CAF service in the master configuration. If you cannot determine the cause of the error, or are running the supplied DB2 Thread Management Exit, contact IBM Software Support.

CAC00133E DB2 CAF CONNECT SSN=xxxxxxx, RC=nn, RSN='xxxxxxxxxxx'.

Explanation: The CAF server attempted to connect to a DB2 subsystem and the connection failed. The DB2 subsystem is identified by SSN, the failure return code is identified in decimal by RC and the hexadecimal reason code is identified by RSN.

User response: See the DB2 UDB for z/OS V8 Application Programming and SQL Guide for an explanation of the RC and RSN code. If you cannot resolve the problem, contact IBM Software Support.

CAC00134E DB2 CAF OPEN SSN='xxxxxxx', PLAN='xxxxxxx', RC=nn, RSN='xxxxxxxxxx'.

Explanation: The CAF server attempted to issue an open to a DB2 Universal Database (UDB) plan and the open failed. The DB2 subsystem is identified by SSN. The plan that was being opened is identified by PLAN. The failure return code is identified in decimal by RC and in hexadecimal by RSN.

User response: See DB2 UDB for z/OS V8 Application Programming and SQL Guide for an explanation of the RC and RSN code. If you cannot resolve the problem, contact IBM Software Support.

CAC00135W DRA: WAITING FOR IMS DBCTL 'Subsystem-Name' TO START

Explanation: The DRA initialization service is waiting for an IMS subsystem to restart. This message can be issued when the DRA initialization service first starts and IMS is not active, or after a connection with IMS is lost.

User response: The DRA initialization service periodically attempts to re-establish communications with IMS. The CONNECTINTERVAL configuration parameter identifies how frequently the attempt occurs.

When this message is issued, access to IMS is not possible until the CEC00136I message is issued.

CAC00136I DRA: CONNECTED TO IMS DBCTL 'Subsystem-Name'

Explanation: The DRA initialization service has successfully established a connection to IMS.

User response: At this point PSBs can be scheduled to access and update IMS databases.

CAC00137W DRA: CONNECTION ENDED, PAPLFUNC=nnnn(xnnx), PAPLSFNC=nnnn(xnnx), PAPLRCOD=nnnn(xnnx), PAPLRETC=nnnn(xnnx).

Explanation: The connection to IMS that was created by the DRA initialization service no longer exists. The message displays the PAPLFUNC, PAPLSFNC, PAPLRCOD, and PAPLRETC values that existed at the time of the loss in both decimal and hexadecimal formats.

User response: See the DBCTL return code information in the Messages and Codes documentation for your version of IMS to determine the meaning of

the failure. If IMS was stopped or abended, the DRA initialization service will periodically attempt to re-establish the connection with IMS.

CAC00138I DRA: CONNECTION USING OPEN THREAD TCB

Explanation: This message indicates that the DRA is using open thread TCB support for IMS access.

User response: No action is required.

CAC00139I DRA: CONNECTION NOT USING OPEN THREAD TCB

Explanation: This message indicates that the DRA service is not using open thread TCB support for IMS access.

User response: If use of DRA open thread TCB support is desired, ensure that the following values are configured:

- Specify the IMS DRA startup table value FUNCLV=3 in the DFSPRP definition for the DFSPZPnn member referenced by the DRA service configuration parameter DRATABLESUFFIX=nn.
- Specify the value TRUE on the DRA service OPENTHREADTCB configuration parameter.

Also ensure that you are using IMS Version 12 or higher.

CAC00140E Memory allocation error. The region memory reserved to satisfy the request is insufficient.

Explanation: Not enough memory was reserved on the region parameter to satisfy the message pool size requested.

User response: Increase the region size to be at least 4MB greater than the message pool size.

CAC00141E User ID has insufficient authority.

Explanation: An operator command was issued using a remote operator interface. The issuing User ID has insufficient authority to issue the command. Refer to the message issued by the security subsystem to determine the required authority level.

User response: Contact the security authority to get the required level.

CAC00200I Operator Command.

Explanation: An operator command was issued using the MTO (Master Terminal Operator) interface. The text of the command is displayed after the message number. A subsequent WTO message will indicate whether the command was processed.

User response: No action is required.

CAC00201I Operator Command.

Explanation: An operator command was issued using a remote operator interface. The text of the command is displayed after the message number. A subsequent WTO message will not be displayed to indicate whether the command was processed successfully.

User response: No action is required.

CAC00202W INVALID COMMAND

Explanation: An incorrect or unknown operator command was issued by an MTO or remote operator.

User response: See the documentation for IBM WebSphere Classic Data Event Publisher for z/OS or IBM WebSphere Classic Replication Server for z/OS for descriptions of the commands that are supported and their syntax.

CAC00204I STOP ALL COMMAND ACCEPTED.

Explanation: This message is in response to a STOP,ALL operator command. The data or enterprise server is shutting itself down. After this message is displayed, the system will not accept any more messages from the MTO or remote operator.

User response: No action is required.

CAC00205I STOP PROCESSING COMPLETED SUCCESSFULLY.

Explanation: This message is in response to a STOP,SERVICE or STOP,TASKID operator command. The request service or task has been stopped.

User response: No action is required.

CAC00206W SERVICE OR TASK TO STOP NOT FOUND.

Explanation: This message is in response to a STOP,SERVICE or STOP,TASKID operator command. The requested service or task is not active.

User response: No action is required.

CAC00207W INVALID STOP COMMAND.

Explanation: This message is in response to a STOP operator command that is not valid.

User response: See the documentation for *IBM WebSphere Classic Federation Server for z/OS Guide and Reference*, *IBM WebSphere Classic Data Event Publisher for z/OS*, or *IBM WebSphere Classic Replication Server for z/OS* for descriptions of the commands that are supported and their syntax.

CAC00208I TASK 'xxxxxxx' STARTED SUCCESSFULLY.

Explanation: This message is in response to a START,SERVICE command. The requested service started successfully and is operational.

User response: No action is required.

CAC00209W ERROR OCCURRED STARTING TASK 'xxxxxx'.

Explanation: This message is in response to a START,SERVICE command. The requested service did not start. Additional WTO messages might have been issued before this message that identify why the service did not start.

User response: If no WTO messages were issued, when the data or enterprise server stops, review the log output for information about why the service did not start.

CAC00210W UNKNOWN service information entry TYPE.

Explanation: This is an internal error.

User response: Contact IBM Software Support.

CAC00211W SERVICE 'xxxxxxx' IS ALREADY AT THE MAX. THREAD COUNT OF nn.

Explanation: This message is in response to a START,SERVICE operator command. The requested service already has the maximum number of threads started. The maximum number of threads is specified on Field 5 (Maximum Tasks) of the service information entry configuration parameter. Another instance of the requested service did not start.

User response: Stop the services that you do not need running, or increase the maximum number of services that can run.

CAC00212W service information entry 'xxxxxxx' NOT FOUND IN MASTER CONFIG.

Explanation: This message is in response to a START,SERVICE operator command. The requested service name is not in the master configuration member.

User response: Use the DISPLAY,SERVICES or DISPLAY,ALL command to display the different services that are available.

CAC00213W INVALID START COMMAND.

Explanation: This message is in response to a START operator command that is not valid.

User response: See the documentation for IBM

WebSphere Classic Federation Server for z/OS, the IBM WebSphere Classic Data Event Publisher for z/OS, or IBM WebSphere Classic Replication Server for z/OS for descriptions of the commands that are supported and their syntax.

CAC00214W CONFIGURATION 'xxxxxxx' IS NOT ACTIVE.

Explanation: This message is in response to a DISPLAY,CONFIG operator command. The requested configuration member name is not active.

User response: Use the DISPLAY,CONFIGS or DISPLAY,ALL command to get a list of the active configuration members.

CAC00215I CONFIGURATION 'xxxxxxx' SUCCESSFULLY WRITTEN.

Explanation: This message is in response to a FLUSH operator command. The specified configuration member has been updated on disk.

User response: No action is required.

CAC00216W AN ERROR OCCURRED IN WRITING CONFIGURATION 'xxxxxxx'!

Explanation: This message is in response to a FLUSH operator command. The specified configuration member has not been updated on disk.

User response: No action is required.

CAC00217W ORDINAL VALUE NOT IN RANGE nn.

Explanation: This message is in response to a SET operator command. The configuration parameter that is identified by the ordinal number *nn* does not exist.

User response: Use the DISPLAY,CONFIG command to display the configuration parameters in the member that you are attempting to update.

CAC00218W (nn) xxxxxxx CAN ONLY BE AN INTEGER VALUE.

Explanation: This message is in response to a SET operator command. The configuration parameter that you are attempting to update only accepts an integer value. You have supplied a nonnumeric value.

User response: See the documentation for IBM WebSphere Classic Federation Server for z/OS, the IBM WebSphere Classic Data Event Publisher for z/OS, or IBM WebSphere Classic Replication Server for z/OS for a description of the syntax of the configuration parameter that you are attempting to update.

CAC00219W SYNTAX ERROR - VALUES NOT CONSISTENT FOR xxxxxxxx.

Explanation: This message is in response to a SET operator command. The value that was supplied for the configuration parameter that needs to be updated is not valid.

User response: See the documentation for IBM WebSphere Classic Federation Server for z/OS, the IBM WebSphere Classic Data Event Publisher for z/OS, or IBM WebSphere Classic Replication Server for z/OS for a description of the syntax of the configuration parameter that you are attempting to update.

CAC00220I The xxxxxxxx REMOVED FROM CONFIGURATION.

Explanation: This message is in response to a SET operator command. The requested configuration parameter was removed.

User response: No action is required.

CAC00221I (nn) xxxxxxxx RESET TO ITS DEFAULT VALUE.

Explanation: This message is in response to a SET operator command. The requested configuration parameter was reset to the default value.

User response: No action is required.

CAC00222W ENTRY IS ALREADY NULL.

Explanation: This message is in response to a SET operator command. The SET command tried to set a configuration parameter to its null (default) value; however, the configuration parameter value is already null. The command had no effect.

User response: No action is required.

CAC00223W MAX SERVICE INFO ENTRIES IN USE.

Explanation: Another service information entry is not allowed because there is a limit on the number of services that can be defined. Currently, only 32 service information entry definitions can be defined or active within a data or enterprise server.

User response: Remove one of the existing service information entry definitions.

CAC00224W ORDINAL VALUE nn NOT FOUND.

Explanation: This message is in response to a SET operator command. The SET command was issued to update a service information entry configuration parameter. Too many parameters were supplied.

User response: See the documentation for IBM

WebSphere Classic Federation Server for z/OS, the IBM WebSphere Classic Data Event Publisher for z/OS, or IBM WebSphere Classic Replication Server for z/OS for a description of the syntax of the service information entry configuration parameter.

CAC00225I TOTAL MEMORY nnnK, USED nnnK (nn%), MAX USED nnnK (nn%).

Explanation: This message is in response to a DISPLAY,MEMORY operator command. The TOTAL MEMORY value identifies how much memory (in K) was initially allocated for the memory pool. This value represents the amount of memory that was obtained based on the MEMORY POOL SIZE configuration parameter. The amount of memory that was allocated is usually less than the amount that was requested. The USED value identifies how much memory (in K) is currently in use. The next value is the percentage of memory that is currently used. The MAX USED value identifies the maximum amount of memory (in K) that has been used since the server started. The final value is the percentage of memory that the maximum used value represents.

User response: No action is required.

CAC00226W THE IMPORT DATASET MEMBER *Member-Name* COULD NOT BE FOUND.

Explanation: The PDS member name specified on the IMPORT command does not currently exist in the associated PDS data set.

User response: Specify an existing PDS member name on the IMPORT command.

CAC00227W THE EXPORT DATASET *Dataset-Name* COULD NOT BE CREATED.

Explanation: The EXPORT target data set member could not be opened for output.

User response: Verify the validity of the specified data set member names. Also verify that the data set member is not currently allocated to another job.

CAC00228W SERVICE *Service-Name* IS NOT DEFINED IN THE CURRENT CONFIGURATION FILE.

Explanation: The service name specified on a configuration command was not found in the current server configuration file.

User response: Issue the DISPLAY,CONFIG,SERVICE=ALL command to get a list of all currently defined services.

CAC00229W SERVICE *Service-Name* IS ALREADY DEFINED IN THE CURRENT CONFIGURATION FILE FOR SERVICE CLASS *Class-Name*.

Explanation: The service name in the command already exists for the specified service class. Service names within a service class must be unique.

User response: Enter a unique service name for the specified service class.

CAC00230W SERVICE CLASS *Class-Name* IS INVALID.

Explanation: The service class value entered in a configuration command was invalid. A service class is a predefined value that relates to a specific type of service.

User response: See the product documentation for a list of all valid service class values.

CAC00231W USER CONFIGURATION *User-Id* ALREADY EXISTS FOR SERVICE *Service-Name*.

Explanation: A user configuration with this ID has already been defined for the specified service.

User response: Provide a unique user ID when adding a user configuration.

CAC00232W USER CONFIGURATION *User-Id* DOES NOT EXIST FOR SERVICE *Service-Name*.

Explanation: A user configuration was not found for the specified service.

User response: Issue the DISPLAY,CONFIG,ALL command for a list of all existing user and service configurations.

CAC00233W PARAMETER NAME *Parm-Name* IS INVALID.

Explanation: The parameter name specified in the configuration command is not recognized.

User response: Issue the DISPLAY,CONFIG,ALL command for a list of all services and valid parameter names.

CAC00234W THE ASSIGNED VALUE *Value-Name* IS INVALID FOR PARAMETER *Parm-Name*.

Explanation: The specified value is invalid for the related parameter.

User response: See the product documentation for a list of valid parameter values and reissue the command.

CAC00235E ERRORS DETECTED DURING IMPORT - PROCESS ABORTED.

Explanation: Errors were encountered during the migration process.

User response: See the product documentation for a list of valid parameter values and reissue the command.

CAC00236W NO SERVICE MIGRATED.

Explanation: This is a warning message that can occur if no valid service was defined in the old configuration member, all services were already migrated, or no query processor exists in the new configuration file.

User response: No action is required.

CAC00237W QP *Service-Name* NOT FOUND.

Explanation: The query processor service name that was specified in an

IMPORT,MIGRATE,USER=filename,
SERVICE=servername

command cannot be found.

User response: Specify an existing query processor name.

CAC00238W COULD NOT PARSE USER CONFIG *File-Name*.

Explanation: The specified user configuration member could not be opened or parsed.

User response: In the case of a user configuration import, make sure the file name is a valid member of a partitioned data set identified by a valid data set name or data definition name statement. In the case of a general migration import, make sure the service information entry refers to an existing user configuration member in the same partitioned data set where the master configuration resides. Also review the data server job output for parsing errors.

CAC00239W COULD NOT PARSE MASTER CONFIG *File-Name*.

Explanation: The specified master configuration member could not be opened or parsed.

User response: Make sure that the file name is a valid member of a partitioned data set identified by a valid data set name or data definition name statement. Also review the data server job output for parsing errors.

CAC00240E AN INTERNAL ERROR OCCURRED.

Explanation: Indicates the occurrence of an internal error. This error can result from insufficiently sized configuration files.

User response: Increase the size of the configuration data sets. If the problem persists, contact IBM Software Support.

CAC00241I SERVICE *Service-Name* OF SERVICECLASS *Class-Name* ADDED SUCCESSFULLY.

Explanation: An informational message indicating the successful addition of a new service for the specified service class.

User response: None.

CAC00242I GLOBAL CONFIGURATION RECORD UPDATED SUCCESSFULLY.

Explanation: A global configuration parameter was successfully updated in the current configuration.

User response: None.

CAC00243I SERVICE *Service-Name* OF SERVICE CLASS *Class-Name* UPDATED SUCCESSFULLY.

Explanation: A service configuration parameter was successfully updated in the current configuration.

User response: None.

CAC00244W NO SERVICE UPDATED.

Explanation: An attempt to update a service configuration parameter failed.

User response: Check the log for any previously generated error messages.

CAC00245W SERVICE NAME *Service-Name* TOO LONG. MAX LENGTH IS *Max-Length*.

Explanation: A service name entered in a configuration command exceeded the maximum allowable length.

User response: Enter a service name that does not exceed the maximum length.

CAC00246W USER NAME OR QP OVERRIDE MEMBER NAME *Key-Name* TOO LONG. MAX LENGTH IS *Max-Length*.

Explanation: A user ID entered in a configuration command exceeded the maximum allowable length.

User response: Enter a user ID that does not exceed the maximum length.

CAC00247W USER CONFIGURATION *User-Name* FOR SERVICE *Service-Name* ADDED SUCCESSFULLY.

Explanation: A user configuration entry was successfully added to the configuration file.

User response: None.

CAC00248W THE USER CONFIGURATION DOES NOT EXIST IN THE CURRENT CONFIGURATION.

Explanation: The user ID specified on a user-related configuration command was not found in the current server configuration file.

User response: Issue the DISPLAY,CONFIG,USER=ALL command to get a list of all currently defined user configurations.

CAC00249I USER CONFIGURATION *User-Name* FOR SERVICE *Service-Name* UPDATED SUCCESSFULLY.

Explanation: The specified user configuration has been updated successfully.

User response: None.

CAC00250W SERVICE *Service-Name* OF SERVICECLASS *Class-Name* IS ACTIVE. USER CONFIGURATION *User-Name* MAY NOT BE DELETED.

Explanation: An attempt was made to delete a user configuration while its related service was active.

User response: You must stop the service before deleting a user configuration.

CAC00251I USER CONFIGURATION *User-Name* FOR SERVICE *Service-Name* DELETED SUCCESSFULLY.

Explanation: A user configuration was successfully deleted for the specified service.

User response: None.

CAC00252I SERVICE *Service-Name* OF SERVICE CLASS *Class-Name* DELETED SUCCESSFULLY.

Explanation: A service definition for the specified service class was successfully deleted from the current configuration.

User response: None.

CAC00253W SERVICE *Service-Name* **OF SERVICECLASS** *Class-Name* **IS ACTIVE. DELETE FAILED.**

Explanation: An attempt was made to delete the service configuration of an actively running service.

User response: Issue the STOP command to stop the service before attempting to delete it from the configuration file.

CAC00254W LIST NAME *List-Name* **TOO LONG. MAX LENGTH IS** *Max-Length*.

Explanation: An attempt was made to specify a service list name that exceeded the maximum allowable length.

User response: Specify a service list name that does not exceed the maximum allowable length.

CAC00255I LIST ENTRY *List-Entry* **FOR SERVICE** *Service-Name* **ADDED SUCCESSFULLY.**

Explanation: The specified list entry, *List-Entry*, was successfully added to service *Service-Name*.

CAC00256I LIST ENTRY *List-Entry* **FOR SERVICE** *Service-Name* **WITH** *Value* **DELETED SUCCESSFULLY**

Explanation: The specified list entry, *List-Entry*, with value, *Value*, was successfully deleted from service *Service-Name*.

CAC00257W NO LIST ENTRIES EXIST IN CURRENT CONFIGURATION

Explanation: An attempt was made to delete a list entry but the server configuration does not contain any list entries.

CAC00258W LIST ENTRY *List-Entry* **FOR SERVICE** *Service-Name* **WITH VALUE** *Value* **NOT FOUND**

Explanation: The specified list entry, *List-Entry*, with value, *Value*, was not found for the specified service named *Service-Name*.

User response: Correct the value. Run command "DISPLAY,CONFIG,*Service-Name*" to display all of the list entries associated with the service.

CAC00259W SERVICE *Service-Name* **OF SERVICECLASS** *Service-Class* **IS A CORE SERVICE AND MAY NOT BE DELETED**

Explanation: Core services that are critical to a server, such as the logger and controller, cannot be deleted.

CAC00260W LIST VALUE *Value* **TOO LONG. MAX LENGTH IS** *Maximum-Length*.

Explanation: The specified value, *Value*, exceeds the maximum length of *Maximum-Length* for a list entry value.

User response: Re-enter the command specifying a value with a length less than or equal to *Maximum-Length*.

CAC00261I OPENING FILE *File-Name*.

Explanation: File, *File-Name*, is being opened. This is an informational message that does not require an action.

CAC00262W EMPTY FILE.

Explanation: The file does not contain any records or data.

CAC00263I IMPORT OF CONFIGURATION COMMAND FILE COMPLETE. Success-Number COMMANDS SUCCEEDED. Failed-Number COMMANDS FAILED.

Explanation: Import of a configuration command file completed. All commands were run with *Failed-Number* failing to complete successfully and *Success-Number* completing successfully.

User response: Check the console log to determine which commands failed and the reason for failure.

CAC00264E CONFIGURATION I/O ERROR ON FUNCTION *Function*.

Explanation: An I/O error was encountered while performing the specified function during configuration file processing.

User response: Contact IBM Software Support.

CAC00265W INVALID OR UNSUPPORTED COMMAND. IMPORT ONLY SUPPORTS ADD, SET AND DELETE COMMANDS.

Explanation: The command specified in the file is either invalid or unsupported. The import configuration file process only supports ADD, SET and DELETE configuration commands.

User response: If the command is an ADD, SET or DELETE, check the syntax. Correct the command within the file or manually enter and run the command. If the command is not supported, it must be issued directly with MTO.

CAC00266I EXPORT COMPLETED SUCCESSFULLY.

Explanation: The export process completed successfully.

User response: Optionally, view the contents of the exported file.

CAC00267E EXPORT TERMINATED - WRITE TO OUTPUT FILE FAILED.

Explanation: The export process was terminated because it was unable to write to the specified file.

User response: If the file is a member of a data set, ensure that the data set is not in use. If the file is a sequential file, ensure that the file is not open or in use.

CAC00268W USE THE ADD,CONFIG,SERVICELIST COMMAND TO ADD VALUES FOR List-Parameter

Explanation: An attempt was made to modify a list parameter using the SET command. List parameters can have one or more values. Maintain such lists using the ADD and DELETE service list commands.

User response: Issue MTO command ADD,CONFIG,SERVICELIST=*List-Parameter*,VALUE='value'.

CAC00269W THE SPECIFIED VALUE Value EXCEEDS THE MAXIMUM VALUE Maximum-Value FOR PARAMETER Parameter.

Explanation: The specified value, *Value*, is larger than the maximum value *Maximum-Value* allowed for parameter *Parameter*.

User response: Modify *Value* to a number less than or equal to *Maximum-Value* and reissue the command.

CAC00270W THE SPECIFIED VALUE Value FALLS BELOW THE MINIMUM VALUE OF Minimum-Value FOR PARAMETER Parameter.

Explanation: The specified value, *Value*, is less than the minimum allowable value of *Minimum-Value* for parameter *Parameter*.

User response: Modify *Value* to a number greater than or equal to *Minimum-Value* and reissue the command.

CAC00271W THE SPECIFIED VALUE Value IS NOT IN RANGE OF A SHORT OF -32768 TO 32767 FOR PARAMETER Parameter.

Explanation: Parameter *Parameter* is defined as a short and the specified value, *Value*, falls outside the valid range of -32768 TO 32767.

User response: Modify *Value* to a number between -32768 and 32767 and reissue the command.

CAC00272W THE SPECIFIED STRING String EXCEEDS THE MAXIMUM LENGTH OF Maximum-Length FOR PARAMETER Parameter.

Explanation: The specified string, *String*, is longer than the maximum allowable length of *Maximum-Length* for parameter *Parameter*.

User response: Modify *String* to a length less than or equal to *Maximum-Length* and reissue the command.

CAC00273W THE SPECIFIED VALUE Value FOR PARAMETER Parameter MUST BE THE KEYWORD TRUE OR FALSE.

Explanation: Parameter *Parameter* is a boolean parameter and can only be set to TRUE or FALSE.

User response: Modify *Value* to either TRUE or FALSE and reissue the command.

CAC00274W THE SPECIFIED VALUE Value FOR PARAMETER Parameter DOES NOT CONTAIN A UNIT OF MEASUREMENT: MS, S, M or H.

Explanation: Parameter *Parameter* requires a unit of measure. Valid units of measure are MS for milliseconds, S for seconds, M for minutes, or H for hours.

User response: Append a MS, S, M, or H to the end of *Value* and reissue the command.

CAC00275W OPEN FAILED FOR FILE File-Name. FILE MAY BE LOCKED OR MAY NOT EXIST.

Explanation: The command was stopped because the specified file could not be opened.

User response: Ensure that the file exists. If the file is a member of a data set, ensure that the data set is not in use. If the file is a sequential file, ensure that the file is not open or in use.

CAC00276W OPEN FAILED FOR FILE File-Name. FILE NAME MAY BE IN ERROR OR PDS MAY CURRENTLY BE ALLOCATED TO ANOTHER USER.

Explanation: The command was stopped because the specified file could not be opened.

User response: If the file is new, ensure that the name is valid. For example, data set member names cannot be longer than eight characters. If the file exists, ensure that the data set is not in use and that the file is not open or in use.

CAC00277W *Service-name1* may not be directly added. It is a system service created by the *Service-name2* service.

Explanation: A *Service-name1* service is generated automatically by the *Service-name2* service when it first starts. The *Service-name1* service is not a user-defined service that you can add to a configuration file.

User response: No action is required.

CAC00278W A *Service-Class* SERVICE ALREADY EXISTS. THERE IS A MAXIMUM OF ONE *Service-Class* SERVICE PER SERVER.

Explanation: A service with service class *Service-Class* has already been defined on this server. You cannot define any more services for this service class because the maximum allowed is one per server.

CAC00279W LIST ENTRY *List-Entry* WITH VALUE *Value* ALREADY EXISTS FOR SERVICE *Service-Name*.

Explanation: The specified list entry value, *Value*, is already defined in list entry *List-Entry* for service *Service-Name*. Duplicate entries are not allowed.

CAC00280E SERVICE *Service-Name* OF SERVICE CLASS *Service-Class* NOT UPDATED.

Explanation: A SET command for *Service-Name* of service class *Service-Class* could not be processed. The service was not updated.

User response: Contact IBM Software Support.

CAC00281E USER CONFIGURATION FOR *User-Name* AND SERVICE *Service-Name* NOT UPDATED.

Explanation: A SET command for user-specified configuration *User-Name* for service *Service-Class* could not be processed. The user-specified configuration was not updated.

User response: Contact IBM Software Support.

CAC00282W MESSAGE POOL SIZE *Pool-Size* WAS NOT MIGRATED AS IT CANNOT BE SMALLER THAN THE NEW DEFAULT OF *Default-Size*.

Explanation: The specified message pool size is too small and therefore was not migrated. The new, larger, default size of *Default-Size* will be used instead.

CAC00283W *Parameter* WAS NOT DEFINED IN OLD CONFIGURATION FILE - USING DEFAULT OF *Default-value*.

Explanation: Parameter *Parameter* was not defined in the old configuration file. It was created and set to the default value of *Default-value*.

CAC00284I MIGRATING SERVICE *Service-Class* SERVICENAME *Service-Name*.

Explanation: Service *Service-Name* is in the process of being migrated.

CAC00285W IGNORING SERVICE *<Task-Name>* SERVICE NAME *<Service-Name>*.

Explanation: During configuration migration, the service with the indicated task name and service name was ignored because:

- A service with the same service name already exists
- A service of the indicated task name already exists and only one instance is allowed to run in a data server.

User response: If applicable, rename the service and re-run the migration command.

CAC00286I MIGRATING CNS TABLES.

Explanation: The migration utility will attempt to migrate the CNS tables (control table and common filter tables) which are configuration parameters for event publishing and replication scenarios. Because this is an optional global configuration parameter, no further information is issued.

User response: If applicable, verify migration by issuing DISPLAY,CONFIG,SERVICE=*Controller-Service-name*.

CAC00287I MIGRATING GLOBAL SCHEMA.

Explanation: This is an informal message indicating that the migration utility will migrate all global configuration parameters that were set in the old configuration file.

User response: Optionally, verify the migration of the global schema by issuing 'DISPLAY,CONFIG,SERVICE=GLOBAL'.

CAC00288I PROCESSING MASTER CONFIG *<Master-Configuration-File-Name>*.

Explanation: This is an informal message about configuration migration which indicates the attempt to open and parse the master configuration file.

User response: No action is required.

CAC00289I PROCESSING USER CONFIG
<User-Configuration-File-Name>.

Explanation: This is an informal message about configuration migration which indicates the attempt to open and parse the user configuration file.

User response: No action is required.

**CAC00290W COULD NOT PROCESS QP
OVERRIDE MEMBER**
<Override-Member-Name> - USING
MASTER CONFIGURATION.

Explanation: This message indicates that an implicit attempt to open and parse a query processor override member failed for configuration migration of a query processor service. The master configuration values will be migrated for the respective query processor instead.

User response: Check the job output for an error message that indicates which line in the configuration file had errors and correct the line. If the job output does not have that information, the file could not be opened.

Ensure that the query processor override member shown in the message exists in the same data set as the master configuration. Then issue the 'IMPORT,CONFIG,MIGRATE,OVERRIDEMEMBER' command to manually migrate a query processor override member.

**CAC00291W IMPORT OF CONFIGURATION
COMMAND FILE TERMINATED. FILE
DOES NOT CONTAIN
CONFIGURATION COMMANDS.**

Explanation: The file that was specified in an 'IMPORT,CONFIG,FILENAME' command does not contain valid configuration manipulation commands.

User response: Specify a file that contains valid configuration manipulation commands.

**CAC00292W CONFIGURATION DATA SETS ARE
NOT EMPTY.**

Explanation: The configuration migration utility (CACCFGUT) issues this message. It indicates that the binary configuration data set referenced by CACCFGD and CACCFGX DD cards are not empty.

User response: This warning can be ignored if you want to merge configurations or manually migrate user configurations or query processor override members after an initial migration of the master configuration.

If the message occurs when migrating a master configuration, you should provide empty configuration data sets as input to CACCFGUT and reissue the command to assure consistent migration. See the product documentation for details about CACCFGUT.

**CAC00293W CONFIGURATION DATA SETS ARE
EMPTY.**

Explanation: The configuration migration utility (CACCFGUT) issued this message for a report command to indicate that the binary configuration data sets referenced by CACCFGD and CACCFGX DD cards are not empty.

User response: Reissue the command after migration steps occur.

**CAC00294E NO CACCFGD OR CACCFGX DD
STATEMENT.**

Explanation: The configuration migration utility (CACCFGUT) issued this message to indicate that the DD statements CACCFGD and CACCFGX that refer to the configuration data sets were not provided in the JCL that invoked CACCFGUT.

User response: Provide valid DD cards CACCFGD and CACCFGX to CACCFGUT and re-run the utility. For more information about CACCFGUT, see the product documentation.

**CAC00295W INVALID SERVICE INFO ENTRY.
MIGRATION FOR SERVICE
<Service-Name> MAY BE INCOMPLETE.**

Explanation: This message indicates that field 10 of the service information entry for Service <Service-Name> is incorrect. This message typically occurs when this field does not contain a value even though a value is expected. It can also happen if the parser encounters other unexpected conditions when processing that field. Only parameters that were successfully parsed prior to this condition will be migrated and thus service migration might be incomplete.

User response: Verify the values of the configuration parameters for the migrated service using the REPORT command (CACCFGUT) or DISPLAY,CONFIG,[...] command (MTO) and modify them manually if applicable.

**CAC00296W THE CONFIGURATION FILE TO BE
MIGRATED HAS PUBLICATION
ENTRIES. PUBLICATION MIGRATION
MUST BE HANDLED SEPARATELY
WITH THE PUBLICATION
MIGRATION UTILITY (CACPMIGR).**

Explanation: This message can occur if a Version 8.2 configuration file was migrated and that file had publication entries defined. Those publications were ignored and must be migrated with the publication migration utility (CACPMIGR) if desired.

User response: Run the publication migration utility (CACPMIGR) if applicable.

CAC00297W RECORD LENGTH OF <Record-Length> WILL RESULT IN WRAPPING WHICH MAY AFFECT READABILITY.

Explanation: The record length <Record-Length> of the data set for the configuration file to be exported is smaller than the minimum record length of 80. This might cause the commands to be wrapped and can negatively impact readability.

User response: Use a data set with a minimum record length of 80 to avoid this warning.

CAC00298I MIGRATING USER <User-Name> FOR SERVICE <Task-Name> WITH SERVICE NAME <Service-Name>.

Explanation: The migration utility will attempt to migrate a user configuration member for the indicated service name and task name.

User response: No action is required.

CAC00299I MIGRATING QP OVERRIDE MEMBER <Override-Member-Name> FOR SERVICE <Task-Name> WITH SERVICE NAME <Service-Name>.

Explanation: The migration utility will attempt to migrate a query processor override member for the indicated service name and task name.

User response: No action is required.

CAC00300W COULD NOT PROCESS QP OVERRIDE MEMBER <Override-Member-Name>.

Explanation: This message indicates that an attempt to open and parse the indicated query processor override member failed for configuration migration of a query processor service.

User response: Check the job output for an error message that indicates which line in the configuration file has errors and correct the line. If the job output does not have that information, the file could not be opened. In that case, verify that the name is correct. Then reissue the command.

CAC00301W <Configuration-Parameter-Name> WAS NOT DEFINED IN OLD CONFIGURATION FILE - USING EXISTING VALUE <Value>.

Explanation: This message occurs when migrating a QP override member for a configuration parameter that used to be global but is now specific to the query processor service. The message also indicates if that parameter was not defined in the old configuration file.

User response: You can ignore this message if your migration process is not divided into the invocation of

multiple migration commands to merge a configuration from different configuration files. You can also ignore this message if the migration of the master configuration member containing all global parameters first occurred in a multiple step migration scenario. Otherwise, verify that the value for this configuration parameter is correct after all migration tasks are completed and set it manually if applicable.

CAC00302I PROCESSING QP OVERRIDE MEMBER <Override-Member-Name>.

Explanation: This is an informal message about configuration migration that indicates the attempt to open and parse a query processor override member.

User response: No action is required.

CAC00303I QP OVERRIDE MEMBER <Override-Member-Name> FOR SERVICE <Service-Name> MIGRATED SUCCESSFULLY.

Explanation: This is an informal message in response to an IMPORT,CONFIG,MIGRATE,OVERRIDE MEMBER command that indicates the successful migration of the specified query processor override member.

User response: No action is required.

CAC00304I CS <Start-Mode> MIGRATED TO DS <Auto-Start>.

Explanation: This is an informal message that indicates the successful migration of the correlation service STARTMODE parameter to the AUTOSTART configuration parameter for the distribution service with the values indicated in the message text.

User response: No action is required.

CAC00305W CS <Start-Mode> NOT MIGRATED TO DS AUTOSTART. DS CONFIGURATION MUST BE UPDATED MANUALLY.

Explanation: The correlation service STARTMODE with value <Start-Mode> was not migrated to the same value for the distribution service AUTOSTART configuration parameter. This occurred because the configuration file that was migrated did not contain a distribution service information entry.

User response: Update autostart manually.

CAC00306W DS CONFIGURATION AUTOSTART WAS SET TO DEFAULT OF 'MANUAL'. VERIFY THAT THIS IS THE CORRECT SETTING.

Explanation: No correlation service information entry

was found in the configuration file that was just migrated. The STARTMODE configuration parameter could not be migrated to AUTOSTART for the distribution service.

User response: Update AUTOSTART for the distribution service manually if applicable.

CAC00307W OLD CONFIGURATION VALUE
<Value> EXCEEDS THE MAXIMUM
LENGTH OF <Length> FOR
PARAMETER <Parameter-Name>.

Explanation: A character value that was parsed from the old configuration file exceeds the indicated maximum length for the indicated parameter. The value was not migrated and the default value will be used instead.

User response: Update the configuration parameter manually.

CAC00308W OLD CONFIGURATION VALUE
<Value> DOES NOT SPAWN <Number>
NUMERICAL CHARACTERS FOR
PARAMETER <Parameter-Name>.

Explanation: A character value that was parsed from the old configuration file does not spawn the indicated number of numerical characters. The migration for this configuration parameter might be incomplete.

User response: Verify and update the configuration parameter manually.

CAC00309W INVALID SERVICE INFO ENTRY.
COULD NOT PARSE VALUE FOR
PARAMETER <Parameter-Name>.
EXISTING VALUE OR DEFAULT OF
<Value> WILL BE USED.

Explanation: The value for the indicated configuration parameter could not be parsed from field 10 of the service information entry. The existing value or default value will be used instead and the migration of the service might be incomplete.

User response: Update the configuration parameter manually. The associated service is shown in a preceding informal message CAC00284I.

CAC00310W INVALID SERVICE INFO ENTRY.
KEYWORD <Keyword> EXPECTED AT
<Parsed-String>. SERVICE MIGRATION
MAY BE INCOMPLETE.

Explanation: The indicated keyword could not be parsed from field 10 of the service information entry. The migration of the service might be incomplete.

User response: Verify the values of the configuration parameters for the migrated service using the REPORT command (CACCFGUT) or DISPLAY,CONFIG,[...]

command (MTO) and modify them manually if applicable. The associated service is shown in a preceding information message CAC00284I.

CAC00311E SCHEMA TEMPLATE FOR SERVICE
<Service-Name> NOT FOUND.

Explanation: This is an internal condition indicating that a schema template cannot be found.

User response: Contact IBM Software Support.

CAC00312E UNKNOWN SERVICE CLASS:
<Service-Class>.

Explanation: This is an internal condition indicating that a service class could not be identified.

User response: Contact IBM Software Support.

CAC00313E UNKNOWN CONFIGURATION TYPE:
<Configuration-Type>.

Explanation: This is an internal condition indicating that a configuration type could not be identified.

User response: Contact IBM Software Support.

CAC00314W NO CLOSING DOUBLE QUOTES ""
FOUND FOR PSARGS.

Explanation: This warning occurs for configuration migration when the PSARGS of the service information entry for the distribution service do not have closing double quotes.

User response: Typically migration works in this case. You can verify the values of the configuration parameters for the migrated distribution service by invoking the REPORT command (CACCFGUT) or DISPLAY,CONFIG,[...] command (MTO) and modify them manually if applicable.

CAC00315W MIGRATION FOR SERVICE 'CACPUB'
IS NOT SUPPORTED.

Explanation: The configuration file that was migrated appears to be prior to Version 9.1 because it contains a service info entry for CACPUB. Migration of CACPUB is not supported due to architectural differences.

User response: Add and configure the respective services for event publishing manually. See the product documentation for details.

CAC00316W INVALID TASKNAME <Task-Name>
FOR SERVICE <Service-Name>. THE
SERVICE INFO ENTRY WAS
IGNORED.

Explanation: The task name <Task-Name> for service <Service-Name> is not valid. The service info entry was ignored.

User response: Specify a valid task name in the service info entry.

CAC00317W THE SPECIFIED VALUE <Value> MUST BE POSITIVE FOR PARAMETER <Parameter-Name>.

Explanation: The indicated parameter only allows positive numerical values rather than the negative numerical value that was provided. The value for the parameter was not updated.

User response: Provide a positive numerical value when reissuing the command.

CAC00318W THE CONFIGURATION VALUE WAS TRUNCATED TO <Truncated-Value> BECAUSE IT DID NOT FIT INTO A 4 BYTE SIGNED INTEGER.

Explanation: The specified configuration value did not fit into a 4 byte signed integer (-2147483648 to 2147483647). The value was truncated as indicated.

User response: No action is required.

CAC00319W THE CONFIGURATION VALUE WAS TRUNCATED TO <Truncated-Value> BECAUSE IT DID NOT FIT INTO A 4 BYTE UNSIGNED INTEGER.

Explanation: The specified configuration value did not fit into a 4 byte unsigned integer (0 to 4294967295). The value was truncated as indicated.

User response: No action is required.

CAC00320E CONFIGURATION FILE LOCKED BY ANOTHER JOB.

Explanation: The configuration file is currently open by another job.

User response: Resubmit your job when the job using the configuration file ends.

CAC00321E THE DD STATEMENTS CACCFGD AND CACCFGX POINT TO THE SAME FILE

Explanation: The configuration file DD statements CACCFGD and CACCFGX point to the same data set.

User response: Assign the appropriate data set names to the CACCFGD and CACCFGX DD statements and resubmit the data server JCL.

CAC00322W SERVICE NAME <Service-Name> IS RESERVED FOR SERVICE CLASS <Service-Class> AND CANNOT BE ADDED FOR SERVICE CLASS <Service-Class>.

Explanation: This message indicates that a command to add a service failed. That is because the provided service name is reserved for a particular service class which is different than the one used in the add command.

User response: Find a different service name for this service class. Then reissue the command.

CAC00323W The Service-name1 service is a system service and may not be directly modified. It is controlled by the Service-name2 service.

Explanation: A *Service-name1* service is generated automatically by the *Service-name2* service when it first starts. As it is controlled by the *Service-name2* service, its parameters may not be directly modified. Instead update the *Service-name2* service.

User response: No action is required.

CAC00324W CAC00324W The value message_filter specified on the ADD,CONFIG,SERVICELIST=MSGLIST command is not valid.

Explanation: The value of the VALUE parameter of the MSGLIST service list entry consists of a Classic event message ID followed by the new destination to be applied to that Classic event message. You specify the message filter in the following format: message_ID/destination. The destination value is one of SUPPRESS, CONSOLE, DIAGLOG or EVENT. The Classic data server will not create a message filter.

message filter

The message filter configured for the VALUE parameter of the MSGLIST service list entry that identifies the Classic event message whose destination is to be affected.

User response: Correct the message filter specifying the Classic event message ID and a destination.

CAC00325W PARAMETER Parameter IS A REQUIRED PARAMETER AND MUST BE SET TO A VALID VALUE.

Explanation: The specified parameter is a required parameter and, therefore, must be set to a valid value.

User response: Specify a valid value and reissue the command.

CAC00326W PARAMETER Parameter1 VALUE CONFLICTS WITH PARAMETER Parameter2 VALUE.

Explanation: The parameter being changed conflicts with an existing parameter. The parameter being changed either is contained within the existing parameter or the existing parameter is contained within

the parameter being changed.

User response: Specify a valid value that does not conflict with other delimiter values for the service.

CAC00403E ERROR PROCESSING DATA SERVER STARTUP MEMBER nnnnnnn.t.

Explanation: The data server start-up member that is represented by *nnnnnnn.t* could not be located or processed.

User response: Ensure that the server startup member is in a library that is contained in the server startup JCL LIBDEF chain.

CAC00406E OPEN ERROR, UNKNOWN ACCESS MODE.

Explanation: An internal Sequential I/O error was detected.

User response: Contact IBM Software Support.

CAC00407E OPEN ERROR, UNKNOWN RECFM.

Explanation: An internal Sequential I/O error was detected.

User response: Contact IBM Software Support.

CAC00408E SEQIO ERROR nnnnnnn.

Explanation: An internal Sequential I/O error was detected in file *nnnnnnn*. A file control block was dumped for problem determination.

User response: Contact IBM Software Support.

CAC00413E GETVIS REQUEST FAILED.

Explanation: The data server's Sequential I/O manager was unable to acquire storage for a DTF control block or I/O buffers.

User response: Increase the size of the GETVIS area.

CAC00414E GETVIS FREE FAILED.

Explanation: The data server's Sequential I/O manager was unable to free GETVIS storage.

User response: Contact IBM Software Support.

CAC00415E VSAMIO ERROR.

Explanation: This is an internal VSAM I/O error.

User response: Contact IBM Software Support.

CAC00416E ERROR ON ACB GEN.

Explanation: A VSAM GENCB macro could not be processed. The ACB control block was dumped for problem determination. R8 contains the return code from the GENCB macro.

User response: No action is required.

CAC00417E ERROR ON RPL GEN.

Explanation: A VSAM GENCB macro could not be processed. The RPL control block was dumped for problem determination. R8 contains the return code from the GENCB macro.

User response: No action is required.

CAC00419E ERROR ON SHOWCB.

Explanation: A VSAM SHOWCB macro could not be processed. The ACB control block was dumped for problem determination. R8 contains the return code from the SHOWCB macro.

CAC00423E ERROR ON CLOSE.

Explanation: A VSAM CLOSE macro could not be processed. The ACB control block was dumped for problem determination. R8 contains the return code from the CLOSE macro.

User response: No action is required.

CAC00424E GETVIS REQUEST FAILED.

Explanation: The data server's VSAM I/O manager was unable to acquire storage for an ACB or RPL control block.

User response: Increase the size of the GETVIS area.

CAC00425E GETVIS FREE FAILED.

Explanation: The data server's VSAM I/O manager could not free GETVIS storage.

User response: Contact IBM Software Support..

CAC00426E ERROR ON SYSLST.

Explanation: A line could not be written to SYSLST.

User response: Contact IBM Software Support..

CAC00427E ERROR ON SYSLOG.

Explanation: A line could not be written to SYSLOG.

User response: Contact IBM Software Support..

CAC00428E DATA SERVER NOT RESPONDING

Explanation: The enterprise server tried to start a data server, but the data server did not initialize successfully.

User response: Check the POWER® reader queue for the data server job. If the job exists, a partition was not available for the data server to run. If the job is not in the reader queue, check the console log to determine whether or not the data server attempted to start and if additional error messages were issued.

CAC00429I DUMP COMPLETE

Explanation: The requested dump command finished.

CAC00430I VSAM RC=xx, FEEDBACK=xx

Explanation: Hexadecimal return code and feedback codes are displayed to provide additional help in problem determination.

User response: Determine the problem by using the hexadecimal return code and feedback codes.

CAC00501E GLOBAL WORK AREA LENGTH INVALID.

Explanation: The global user exit was enabled with an invalid size for the Global Work Area (GAL).

User response: Disable the global user exit and then reissue the EXEC CICS ENABLE command with a value of 32767 for the GAL parameter.

CAC00502E GLOBAL WORK AREA STORAGE TABLE FULL.

Explanation: The Global Work Area dynamic storage table is full.

User response: Contact IBM Software Support.

CAC00503E WORKING STORAGE ACQUIRE FAILED.

Explanation: The global user exit failed to obtain the necessary dynamic storage that is required for each task.

User response: Contact IBM Software Support.

CAC00504E FILE LIST STORAGE ACQUIRE FAILED.

Explanation: The global user exit failed in its attempt to obtain storage when creating a local copy of the change-capture agent filter data from CSA storage.

User response: Contact IBM Software Support.

CAC00505E TASK-RELATED USER EXIT IS NOT ENABLED.

Explanation: The task-related user exit that is required for the file-control agent is not available.

User response: Either issue the appropriate EXEC CICS ENABLE command for the task-related user exit, or execute the CICS transaction to enable the exit.

CAC00506E TASK WORK AREA FOR TASK-RELATED USER EXIT NOT PROVIDED.

Explanation: The task-related user exit was enabled without a transaction work area (TWA). The task-related user exit requires a TWA with a length of 4096 bytes.

User response: Disable the task-related user exit and then reissue the EXEC CICS ENABLE command with a value of 4096 for the length of the transaction work area. The provided CICS exit enablement transaction automatically specifies this value.

CAC00507E LENGTH OF WORK AREA FOR TASK-RELATED USER EXIT IS INVALID.

Explanation: The task-related user exit was enabled with an incorrect length for the transaction work area (TWA). The task-related user exit requires a TWA with a length of 4096 bytes.

User response: Disable the task-related user exit and then reissue the EXEC CICS ENABLE command with a value of 4096 for the length of the transaction work area. The provided CICS exit enablement transaction automatically specifies this value.

CAC00508E FAILURE OPENING CROSS MEMORY SERVICE. GENRC='xxx', SPCRC='xxxxxxxx'

Explanation: A file-control exit failed to open Cross Memory services for communications. GENRC represents the generic return code. SPCRC represents the specific return code.

User response: Contact IBM Software Support.

CAC00509E FAILURE SENDING CROSS MEMORY MESSAGE GENRC='xxx', SPCRC='xxxxxxxx'

Explanation: A file-control exit failed to send a message to the specified server. GENRC represents the generic return code. SPCRC represents the specific return code.

User response: Contact IBM Software Support.

CAC00510E FAILURE CLOSING CROSS MEMORY SERVICE. GENRC='xxx' SPCRC='xxxxxxxx'

Explanation: A file-control exit failed to close Cross Memory services. GENRC represents the generic return code. SPCRC represents the specific return code.

User response: Contact IBM Software Support.

CAC00511E ERROR IN CSA, INVALID PCI DATA

Explanation: The global user exit detected an invalid version identifier in common storage built by the correlation service.

User response: Contact IBM Software Support.

CAC00512E PCI ERROR (xxxxxxxx,xxxxxxxx)

Explanation: The global user exit encountered an unexpected return code from the Program Call Interface. This message contains additional reason and return code information.

User response: Contact IBM Software Support.

**CAC00519E RCDAT1=(xxxxxxxx) RCDAT2=(xxx
xxxx)**

Explanation: This message contains additional return code information for errors that occur in Cross Memory services. This message is always preceded a message that describes the exact nature of the error.

User response: Contact IBM Software Support.

CAC00520E ERROR DISABLING EXIT PROGRAM CACCGLU

Explanation: This message is issued by the disablement transaction when an unexpected error is encountered while disabling the global user exit.

User response: Verify that the disablement program MSLAVDIS has been defined and installed in your CICS environment.

CAC00521E ERROR DISABLING EXIT PROGRAM CACCTRU

Explanation: This message is issued by the disablement transaction when an unexpected error is encountered while disabling the task-related user exit.

User response: Verify that the disablement program MSLAVDIS has been defined and installed in your CICS environment.

CAC00522I EXITS SUCCESSFULLY DISABLED

Explanation: This message is issued by the disablement transaction when the global user exit and task-related user exit are successfully disabled. After being disabled, the exits will no longer be invoked by CICS file control operations.

User response: No action is required.

CAC00523E ERROR ENABLING EXIT PROGRAM CACCTRU

Explanation: This message is issued by the enablement transaction when an unexpected error is encountered while enabling the task-related user exit.

User response: Verify that the enablement program MSLAVENA is defined and installed in your CICS environment.

CAC00524E ERROR ENABLING EXIT PROGRAM CACCGLU

Explanation: This message is issued by the enablement transaction when an unexpected error is encountered while enabling the global user exit.

User response: Verify that the enablement program MSLAVENA has been defined and installed in your CICS environment.

CAC00525I GLOBAL USER EXIT AND TASK-RELATED USER EXIT SUCCESSFULLY ENABLED

Explanation: This message is issued by the enablement transaction when the global user exit and task-related user exit are successfully enabled. After being enabled, the exits will be invoked by the execution of all CICS file control operations.

User response: No action is required.

CAC00529I CAC00529I Facility - Text

Explanation: The internal facility identified by *Facility* has produced an informational message.

User response: Refer to the documentation provided for the internal facility.

CAC00530W CAC00530W Facility - Text

Explanation: The internal facility identified by *Facility* has produced a warning message.

User response: Refer to the documentation provided for the internal facility.

CAC00531E CAC00531E *Facility* - *Text*

Explanation: The internal facility identified by *Facility* has produced an error message.

Controller service (CACA)

CACA001I SERVER TOKEN: <*Token-Value*>

Explanation: This is an informational message. The message identifies a unique token for the data server.

User response: No action is required.

CACA0117W THE SERVICE *servicename* IS A
CRITICAL SERVICE AND CANNOT
BE STOPPED.

Explanation: This warning message indicates that a **STOP, SERVICE** or **STOP, TASKID** command was issued for a critical service. You can stop critical services only by stopping the entire Classic data server.

System action: The specified service or task ID does not stop.

User response: Verify that the *servicename* or *taskid* is correct and reissue the command, or use the **STOP, ALL** command to stop the entire data server.

CACA0118W CRITICAL SERVICE *Critical_Service*
ENDED, SYSTEM MESSAGE
Return_code REASON CODES(RC1, RC2)

Explanation: This WTO message is issued when a critical service terminates abnormally or due to error. The message identifies the name of the service (*Critical_Service*) that has ended and the final system message number (*Return_code*) that was issued by the service.

Additional diagnostic information about the cause of the error might be included in the RC1 and RC2 reason code fields. The reason code fields contain the same values at the Data fields when this message was written to the data server log. The data server is terminated after this message is issued.

User response: Locate the system message number to determine the appropriate action as documented for the message.

Logger service and log print utility (CACB)

CACB001E OPEN OF LOG FILE
<*LOG_FILE_NAME*> FAILED,
LOGGING DISABLED

Explanation: An attempt to open the specified file was unsuccessful. Logging to the file stopped.

User response: Correct the CACLOG DD specification in the data server JCL and restart the data server.

User response: Refer to the documentation provided for the internal facility.

CACA0119W SHUTDOWN INITIATED

Explanation: The data server is terminating because a critical service has failed.

User response: Refer to the contents of the CACA0118W WTO message for additional information on the reason why the critical service failed. Also review the contents of the data server log for additional information.

CACA0120I Server running with MODE: *mode*

Explanation: This message identifies the current server mode. MODE is a startup parameter.

- If the mode is zero, the termination of a critical service results in a server shutdown.
- If the mode is 1, the termination of a critical service does not result in a server shutdown.

CACA0121E Invalid startup parameter: *parameter=*
value

Explanation: The value specified for a startup parameter in the server JCL is invalid.

System action: The data server will shut down.

User response: If the parameter is MODE, set the MODE parameter to either 0 or 1. MODE is a startup parameter.

- If the mode is zero, the termination of a critical service results in a server shutdown.
- If the mode is 1, the termination of a critical service does not result in a server shutdown.

If the parameter is HOST or PORT, check the values specified on the DEF= statement. Provide a valid TCP/IP address for HOST and a valid port identifier for PORT.

was specified in the CACLOG service information entry of the data server configuration member (VHSCONF DD) is correct.

If the log stream name is correct, see *MVS Assembler Services Reference* for the appropriate z/OS system level for IXGCONN return and reason codes. Use these codes to understand why the connection stopped. Correct the problem with the log stream and restart the data server.

CACB101E LOG STREAM WRITE FAILED FOR
<log_stream_name> -- RC: return_code;
REASON: reason_code

Explanation: The MVS System Logger log stream that was specified could not be written to. The logger service disconnected from the log stream. The IXGWRITE return and reason codes are displayed.

User response: See *MVS Assembler Services Reference* for the appropriate z/OS system level for the IXGWRITE return and reason codes. Use these codes to understand why the write operation could not be completed. Correct the problem with the log stream and restart the data server.

CACB102W CACB102W A write request at line
line-number to the log stream
log-stream-name encountered a temporary
error with the return code *return-code*
and reason code *reason-code*. The logger
service will retry the request.

Explanation: An attempt to write a message to the log stream *log-stream-name* encountered a temporary condition. Refer to the *return-code* and *reason-code* values and use the z/OS documentation for the IXGWRITE macro to determine the nature of the temporary condition.

User response: No action is required. The logger service will retry the write request after the temporary condition clears.

CACB103E CACB103E A write request at line
line-number to the log stream
log-stream-name encountered a permanent
error with the return code *return-code*
and the reason code *reason-code*. The
logger service will not retry the request.

Explanation: An attempt to write a message to the log stream *log-stream-name* encountered a permanent error, and the logger service cannot retry the request. Refer to the *return-code* and *reason-code* values and use the z/OS documentation for the IXGWRITE macro to determine the problem with the log stream.

User response: See the z/OS documentation for the IXGWRITE macro and the *return-code* and *reason-code* values to correct the problem with the log stream. Then restart the data server to resume logging.

CACB104E CACB104E An unexpected log stream
error was detected at line *line-number* for
the log stream *log-stream-name*. The log
stream status is *log-stream-status*.

Explanation: An unexpected status was detected for the log stream *log-stream-name*. This is an internal error.

User response: Contact IBM Software Support.

CACB105E CACB105E An EVENTLOG is not
specified. The Classic data server will
not capture event messages.

Explanation: The data server cannot capture event messages because an event log is not defined to the logger service.

User response: Specify a value for the **EVENTLOG** configuration parameter to define an event log name to the logger service.

CACB106E CACB106E The EVENTLOG parameter
cannot use the same log stream name as
that specified for STREAMNAME. The
Classic data server will not capture
event messages.

Explanation: The data server cannot capture event messages because the log name that is defined in the **EVENTLOG** parameter is the same as the value of the **STREAMNAME** parameter.

User response: Specify a different event log name in the **EVENTLOG** configuration parameter for the logger service than the name that you specify in the **STREAMNAME** configuration parameter.

CACB107W CACB107W STREAMNAME system
log stream *stream_name* is not available,
using CACLOG DD instead.

Explanation: The data server cannot capture diagnostic trace messages because the log stream that is defined in the **STREAMNAME** parameter is not available.

stream_name

Stream name used for the diagnostic log.

User response: Specify a diagnostic trace log name in the **STREAMNAME** configuration parameter that is available for the Log service's use.

CACB108I CACB108I The Classic data server will
send EIF events to *eif_event_server_url*.

Explanation: The Classic data server will send Event Integration Facility (EIF) events to the Event/Automation service of IBM Tivoli® NetView® for z/OS configured for the **VALUE** parameter of the **EIFEVENTSERVERS** service list entry URL.

eif_event_server_url

The URL configured for the VALUE parameter of the EIFEVENTSERVERS service list entry that identifies the event server to which the Classic data server connects.

User response: No action is required.

CACB109E CACB0109E Failed to open the connection to the EIF event server at *eif_event_server_url*.

Explanation: The Classic data server failed to open a connection to the Event Integration Facility (EIF) event server specified.

eif_event_server_url

The URL configured for the VALUE parameter of the EIFEVENTSERVERS service list entry that identifies the event server to which the Classic data server connects.

User response: Ensure that the IP address and the port number specified for the VALUE parameter of the EIFEVENTSERVER service list entry are correct for the EIF event server that will receive EIF events from the Classic data server. Also ensure that the EIF event server is active and listening on the IP address and port number specified.

CACB110W CACB0110W Delivery of an EIF event to the EIF event server at *eif_event_server_url* failed.

Explanation: The Classic data server failed to send an Event Integration Facility (EIF) event to the server specified by *eif_event_server_url*.

eif_event_server_url

The URL configured for the VALUE parameter of the EIFEVENTSERVERS service list entry that identifies the event server to which the Classic data server connects.

User response: Ensure that the IP address and port number specified for the VALUE parameter of the EIFEVENTSERVERS service list entry identifies the EIF event server that will receive EIF events from the Classic data server. Also ensure that the EIF event server is active and listening on the IP address and port number specified.

CACB111W CACB0111W The EIFEVENTSERVERS service list URL does not contain the *protocol* protocol.

Explanation: The event broadcast URL requires a persistent SKT connection. The logger service will continue using the SKT protocol instead of the value that was configured for the VALUE parameter of the EIFEVENTSERVERS service list entry.

protocol The protocol specified for the VALUE parameter of the EIFEVENTSERVERS service list entry.

User response: Specify SKT as the protocol of the URL for the VALUE parameter of the EIFEVENTSERVERS service list entry.

CACB112I CACB0112I Closed the connection to the EIF server at *eif_event_server_url*.

Explanation: The Classic data server closed the connection to the Event Integration Facility (EIF) event server specified.

eif_event_server_url

The URL configured for the VALUE parameter of the EIFEVENTSERVERS service list entry that identifies the event server to which the Classic data server connects.

User response: No action is required.

CACB113I CACB0113I Resumed sending events to the EIF event server at *eif_event_server_url*.

Explanation: The Classic data server was able to send an Event Integration Facility (EIF) event to the event server after a retry.

eif_event_server_url

The URL configured for the VALUE parameter of the EIFEVENTSERVERS service list entry that identifies the event server to which the Classic data server connects.

User response: No action is required.

CACB114W CACB0114W The EIFEVENTSERVERS service list URL *eif_event_server_url* is in error.

Explanation: The value of the VALUE parameter of the EIFEVENTSERVERS service list entry consists of the protocol identifier SKT followed by the IP address and port number of the event server. You specify the URL in the following format: *protocol/ip_address/port_number*. The Classic data server will not emit any EIF events.

eif_event_server_url

The URL configured for the VALUE parameter of the EIFEVENTSERVERS service list entry that identifies the event server to which the Classic data server connects.

User response: Correct the URL specifying the protocol, IP address and port number of the EIF event server.

CACB115I CACB0115I EIF server >
eif_event_server_url < stats:
Connections:Successful= *conn_successful*
Failed= *conn_failed*
Disconnections:Successful=
disc_successful **Failed=** *disc_failed*
Sends:Successful= *send_successful* **Failed=**
send_failed **Resume/Delay:** *resume_delay*
Last time connected: *last_conn_time* **Last**
state: *last_state*.

Explanation: The Classic data server Event Integration Facility (EIF) server statistics.

eif_event_server_url

The URL configured for the VALUE parameter of the EIFEVENTSERVERS service list entry that identifies the event server to which the Classic data server connects.

conn_successful

The number of successful connections made against the EIF event server identified by the *eif_event_server_url* service list entry.

conn_failed

The number of failed connections made against the EIF event server identified by the *eif_event_server_url* service list entry.

disc_successful

The number of successful disconnections made against the EIF event server identified by the *eif_event_server_url* service list entry.

disc_failed

The number of failed disconnections made against the EIF event server identified by the *eif_event_server_url* service list entry.

send_successful

The number of successful sends made against the EIF event server identified by the *eif_event_server_url* service list entry.

send_failed

The number of failed sends made against the EIF event server identified by the *eif_event_server_url* service list entry.

resume_delay

The number of times attempted to establish a connection against the EIF event server identified by the *eif_event_server_url* only to fail.

last_conn_time

The timestamp of the last successful connections made against the EIF event server identified by the *eif_event_server_url* service list entry.

last_state

The last known state of the connection made against the EIF event server identified by the *eif_event_server_url* service list entry. The

value of "Resume/Delay" indicate the connection was in recovery. The value of "Processing normally" indication it was processing normally. The value of "In error" indicates the connection's URL is in error.

User response: No action is required.

CACB116I CACB0116I EIF stats: Event objects
sent= *events_sent* **not sent=**
events_not_sent **Servers last configured=**
servers_configured **Servers last added=**
servers_added **Servers last deleted**
servers_deleted **Server configurations in**
error= *servers_in_error* .

Explanation: The Classic data server Event Integration Facility (EIF) event processing statistics.

events_sent

The number of EIF event sent.

events_not_sent

The number of EIF event not sent.

servers_configured

The number of EIF event servers last configured. This represents the number of initially configured or the number configured since the EIFEVENTSERVERS service list was last updated.

servers_added

This represents the number of event servers added to the EIFEVENTSERVERS service list.

servers_deleted

This represents the number of event servers deleted from the EIFEVENTSERVERS service list.

servers_in_error

This represents the number of event servers in the EIFEVENTSERVERS service list that are in error.

User response: No action is required.

CACB117E CACB0117E Message ID *message_id* is not an event message issued by the Classic data server.

Explanation: The message ID specified in the VALUE parameter of the MSGLIST service list entry is not an event message issued by the Classic data server. The Classic data server will not create a message filter for the message ID specified.

message_id

The Classic event message ID configured for the VALUE parameter of the MSGLIST service list entry that identifies the event message filter.

User response: Correct the message ID specifying a

Classic data server event message ID.

CACB118E CACB0118E Message ID *message_id* is not a supported message filter ID.

Explanation: The message ID specified in the VALUE parameter of the MSGLIST service list entry is not a supported message filter ID. The Classic data server will not create a message filter for the message ID specified.

message_id

The Classic event message ID configured for the VALUE parameter of the MSGLIST service list entry that identifies the event message filter. Only Classic event messages are subject to message filters. Classic event messages IDs begin with the letters CEC.

User response: Correct the message ID specifying a Classic data server event message ID.

CACB119I CACB0119I Message ID *message_id* destination has been set to *destination*.

Explanation: The destination of the message ID specified is set as specified.

message_id

The Classic event message ID configured for the VALUE parameter of the MSGLIST service list entry that identifies the event message filter.

destination

The Classic event message destination.

User response: No action is required.

CACB120E CACB0120E Both STREAMNAME system log stream *stream_name* and CACLOG DD are not available.

Explanation: The data server cannot capture diagnostic trace messages because the log stream that is defined in the STREAMNAME parameter is not available and no CACLOG DD dataset is available. The Log service will end.

stream_name

Stream name used for the diagnostic log.

User response: Specify a diagnostic trace log name in the STREAMNAME configuration parameter or add a CACLOG DD that is available for the Log service's use.

CACB135W LOGGER SERVICE LOOP DETECTED
-- SET SEMAPHORE:
<semaphore_address>

Explanation: The logger service detected a possible looping condition. The logger service was posted repeatedly without receiving data to process.

User response: The logger service clears the post condition and attempts to continue. Contact IBM Software Support.

CACB500E RESOURCE ENVIRONMENT
INITIALIZATION FAILED

Explanation: The log print utility could not establish the processing environment. The log print utility stopped.

User response: Review the log print utility JCL and ensure that the VHSCONF DD specification is correct. If the VHSCONF DD is correct, review the VHSCONF configuration member and ensure that the "NL CAT" value is specified correctly. If "NL CAT" is correct, ensure that the DD that is specified in the value is properly specified in the log print utility JCL. If "NL CAT" is not specified, ensure that the ENGCAT DD is properly specified in the log print utility JCL.

CACB501E ALLOCATION FAILED FOR
allocation_size BYTES AT LINE
line_number

Explanation: The log print utility cannot allocate the necessary storage. The log print utility stopped.

User response: Review the log print utility JCL REGION specification and any runtime parameters that influence the heap size. Ensure that enough heap is available for the log print utility, and restart the job.

CACB502E OPEN FAILED FOR LOG FILE:
<log_file_name>

Explanation: The log print utility cannot open the log file.

User response: Correct the log print utility JCL CACLOG DD specification and restart the job.

CACB503E INVALID LOG FILE

Explanation: The log print utility cannot process the log file that was specified by the CACLOG DD. The values that were expected in the log file were not found.

User response: Review the log print utility JCL CACLOG DD specification. If the DD is correct, ensure that the contents were produced by the logger service. Correct the CACLOG DD to specify output from the logger service and restart the job.

CACB504E INVALID LOG BUFFER SIZE
log_buffer_size

Explanation: The log print utility cannot process the log file that was specified by the CACLOG DD. The buffer size extracted from the log is invalid.

User response: Review the log print utility JCL

CACLOG DD specification. If the DD is correct, ensure that the contents were produced by the logger service. Correct the CACLOG DD to specify output from the logger service and restart the job.

CACB505E TRUNCATION ERROR IN LOG FILE, PRINT TERMINATED

Explanation: The log print utility could not read the CACLOG DD for expected data. Log processing stopped.

User response: Review the log print utility JCL CACLOG DD specification. If the DD is correct, ensure that the contents were produced by the logger service. If the log was produced by the logger service, ensure that the logger service stopped normally. Correct the CACLOG DD to specify output from the logger service and restart the job.

CACB506E LENGTH ERROR IN LOG FILE, PRINT TERMINATED

Explanation: The log entry size from the CACLOG DD is not valid. Log processing stopped.

User response: Review the log print utility JCL CACLOG DD specification. If the DD is correct, ensure that the contents were produced by the logger service. If the log was produced by the logger service, ensure that the logger service stopped normally. Correct the CACLOG DD to specify output from the logger service and restart the job.

**CACB507E INVALID PARM (*parm_number*)
<*parm_text*>**

Explanation: The parameter value or a combination of parameter values is not valid.

User response: Correct the parameters in the log print utility JCL. The message identifies the parameter that is not valid.

**CACB520E LOG STREAM CONNECT FAILED
FOR <*log_stream_name*> -- RC:
return_code; REASON: *reason_code***

Explanation: An error occurred while connecting to the specified MVS System Logger log stream. The IXGCONN return and reason codes are displayed.

User response: Ensure that the log stream name that is specified in the JCL parameters is correct.

If the log stream name is correct, see *MVS Assembler Services Reference* for the appropriate z/OS system level for IXGCONN return and reason codes. Use these codes to understand why the connection failed. Correct the problem with the log stream and restart the log print utility.

**CACB521I LOG STREAM: EMPTY -- STREAM
<*log_stream_name*>**

Explanation: The log print utility connected to the log stream specified in the step parameters and found an empty log stream.

User response: No action is required.

**CACB522E LOG STREAM POSITIONING FAILED
-- STREAM <*log_stream_name*> RC:
return_code; REASON: *reason_code***

Explanation: An error occurred while attempting to position to the beginning of the specified MVS System Logger log stream. The IXGBRWSE return and reason codes are displayed.

User response: Ensure that the log stream name specified in the JCL parameters is correct.

If the log stream name is correct, see *MVS Assembler Services Reference* for the appropriate z/OS system level for IXGBRWSE return and reason codes. Use these codes to understand why the positioning failed. Correct the problem with the log stream and restart the log print utility.

**CACB523E LOG STREAM BROWSE FAILED --
STREAM <*log_stream_name*> RC:
return_code; REASON: *reason_code***

Explanation: An error occurred while attempting to browse the next log record from the MVS System Logger log stream specified. The IXGBRWSE return and reason codes are displayed.

User response: Ensure the log stream name specified in the JCL parameters is correct.

If the log stream name is correct, see *MVS Assembler Services Reference* for the appropriate z/OS system level for IXGBRWSE return and reason codes. Use these codes to understand why the browse failed. Correct the problem with the log stream and restart the log print utility.

**CACB524E LOG STREAM PURGE FAILED --
STREAM <*log_stream_name*> RC:
return_code; REASON: *reason_code***

Explanation: An error occurred while attempting to mark records in the MVS System Logger log stream that was specified for deletion. The IXGDELET return and reason codes are displayed.

User response: See *MVS Assembler Services Reference* for the appropriate z/OS system level for IXGDELET return and reason codes. Use these codes to understand why the purge request failed. Correct the problem with the log stream and restart the log print utility.

Connection handler (INIT) service (CACC)

CACC001E Invalid input parameter *parameter* provided.

Explanation: The parameter specified is not a valid input parameter.

User response: Correct the parameter in error and rerun the utility.

CACC002E Required input parameter *parameter* not provided.

Explanation: The required input parameter included in the message was not specified.

User response: Provide the required parameter and rerun the utility.

CACC003E Invalid option specified for parameter *parameter*.

Explanation: The value for the specified input parameter is not valid.

User response: Correct the parameter and rerun the utility.

CACC004E Invalid value for keyword *keyword* on line *line-number*.

Explanation: The value for the specified keyword is not valid.

User response: Correct the keyword and rerun the utility.

CACC005E Error creating dataset *dataset-name* return code *RC*.

Explanation: The specified data set name could not be created. Review any messages in the job output to determine the cause.

User response: Correct the issue causing the error and rerun the utility.

CACC006E Error opening dataset *dataset-name* return code *RC*.

Explanation: The specified data set name could not be opened. Review any additional messages in the job output to determine the cause.

User response: Correct the issue causing the error and rerun the utility.

CACC007E Error writing to dataset or member *name* return code *RC*.

Explanation: An error occurred writing to the specified data set or member name. Review any

additional messages in the job output to determine the cause.

User response: Correct the issue causing the error and rerun the utility.

CACC008E Error reading from dataset or member *name*.

Explanation: An error occurred reading from the specified data set or member name. Review any additional messages in the job output to determine the cause.

User response: Correct the issue causing the error and rerun the utility.

CACC009E Error reading directory for dataset *dataset-name*.

Explanation: An error occurred reading the directory for the specified data set name. Review any additional messages in the job output to determine the cause.

User response: Correct the issue causing the error and rerun the utility.

CACC010E The dataset *dataset-name* has no members.

Explanation: The specified data set name is empty.

User response: Specify the correct data set and rerun the utility.

CACC011E Unexpected error from *function*. Return code *RC*.

Explanation: An unexpected error was returned from the function specified.

User response: Contact IBM Software Support.

CACC012E Target member *member* exists in *dataset-name* but **OVERWRITE=NO** specified.

Explanation: The specified member already exists in the named data set name. The OVERWRITE=NO option was specified and the write fails.

User response: If the member should be overwritten then change the input parameter to OVERWRITE=YES and rerun the utility.

CACC013E Invalid keyword *keyword* specified.

Explanation: The keyword specified is not a known keyword.

User response: Correct the keyword and rerun the utility.

CACC014E Value for keyword *keyword* specified on line *line-number* not enclosed in quotes.

Explanation: The value for the specified keyword was not enclosed in quotes.

User response: Correct the keyword value to enclose it in quotes and rerun the utility.

CACC015E Invalid customization parameters file specified. No keyword values pairs found.

Explanation: The customization parameters file specified on the PARMFILE input parameter is not a valid parameters file.

User response: Correct the PARMFILE input parameter and rerun the utility.

CACC016E No keyword found before = sign on line *line-number*.

Explanation: The keyword=value setting on the specified line number is not valid. A valid keyword must be specified prior to the = sign.

User response: Correct the keyword setting on the line number specified and rerun the utility.

CACC017E Member *member* does not exist.

Explanation: The member specified on the MEMBER= input parameters does not exist in the SCACSKEL or SCACCONF data sets

User response: Correct the MEMBER= input parameter and rerun the utility.

CACC018E CS name cannot exceed 4 characters when clustering is enabled.

Explanation: The CS name cannot be more than 4 characters when the CS belongs to a cluster.

User response: If clustering should be enabled, then correct the EPCSNAM parameter to be 4 characters or less. Otherwise, if clustering is not needed set the EPCLENBL parameter to "N".

CACC019E Parameter *parameter-name* provided is not valid for the products installed.

Explanation: The *parameter-name* specified is not a valid input parameter for the products currently installed.

User response: Ensure that the necessary product is installed or correct the parameter in error and rerun the utility.

CACC020W Invalid value for parameter *parameter-name* specified (*value*). The default *default-value* replaces the invalid value. taken.

Explanation: This warning message is issued by the Installation Customization Utility when an invalid *value* is detected for the *parameter-name* in the customization parameters file.

The incorrect *value* is not used. Processing continues with the original *default-value* for the *parameter-name*.

User response: Correct the invalid *value* and rerun the utility.

CACC021E ISPF *service-name* service failed. RC=*return-code* ISPF=*message*

Explanation: The ISPF *service-name* failed with the *return-code*. The *ISPF-message* provides information related to the error.

Additional CACC0022E messages may be issued related to the error that contain information reported by the ISPF service.

User response: Review the information reported to determine the cause of the error. The ISPF error information can be found using the IBM LOOKAT facility or in the Interactive System Productivity Facility Messages and Codes manual.

If the problem cannot be determined, contact IBM Software Support for assistance.

CACC022E =*ISPF-message-text*

Explanation: This error is reported along with the CACC021E message when an ISPF service failure occurs. The *ISPF-message-text* contains the message issued by the ISPF service.

User response: Review the information reported to determine the cause of the error. The ISPF error information can be found using the IBM LOOKAT facility or in the Interactive System Productivity Facility Messages and Codes manual.

If the problem cannot be determined, contact IBM Software Support for assistance.

CACC023I Invalid value for keyword *keyword=value* specified (*problem-description*)

Explanation: This error message is issued by the Installation Customization Utility when processing the Customization Parameters File. The *keyword=value* phrase identifies a keyword and the specified value. The specified *value* does not satisfy the requirements for the *keyword*. The *problem-description* text briefly identifies the unsatisfactory condition detected. For example, the following error message indicates the

CACC024E • CACD002E

value of the COLOR keyword (Orange in this example) is not one of the permissible values which may be specified.

CACC023E Invalid value for keyword COLOR=Orange specified (not one of the permissible choices)

User response: Correct the value for the indicated keyword and rerun the utility.

CACC024E Allocation failure. RC=*return-code* DDN(*DD-name*) DSN(*data-set-name*)

Explanation: A failure occurred when allocating the data set referenced by the DDN(*DD-name*) and DSN(*data-set-name*).

User response: One or more messages will be reported TSO allocation processor prior to this message. Review the additional messages to determine the cause of the error.

Once the problem is corrected rerun the utility.

CACC025E Member *member-name* does not exist or is null.

Explanation: An internal error occurred trying to process the member-name.

User response: Contact IBM Software Support.

CACC027E XML parsing failure. RC=*return-code* File (*file-name*)

Explanation: This is an internal error reported by the customization utility.

User response: Contact IBM Software Support.

CACC028E *message-text*

Explanation: This is an internal error associated with the prior CACC0027E message reported by the installation customization utility.

User response: Contact IBM Software Support.

Metadata catalog (CACD)

CACD001E CATALOG INIT FAILED, CATALOG VERSION IS *catalog-version*, REQUIRED VERSION IS *required-version*

Explanation: This error message is generated when the version of the metadata catalog is not at the level required by the release of the product currently accessing the metadata catalog. The *catalog-version* is the version of the catalog being accessed. The *required-version* is the version required by the product accessing the catalog.

User response: This error is typically the result of not upgrading the metadata catalog after updating the release of the product accessing the catalog. In that case the catalog must be upgraded using the CACCATUP. Another possible causes of the error is that the wrong metadata catalog was specified in the JCL. If that is the cause, correct the JCL and resubmit the job.

CACD002E CATALOG INIT FAILED, REASON CODE (*reason-code*)

Explanation: An internal error occurred while trying to open the metadata catalog. Reason-code values:

- 2 The catalog could not be opened because CACCAT or CACINDX catalog DD names were not found in the server JCL. Correct the server JCL and restart the server.
- 8 A memory allocation failed while trying to allocate an internal catalog structure. Increase the message pool configuration for the server and restart the server.

10 The open of the catalog index file failed. Verify that the file specified for the CACINDX DD name is correct and restart the server after correcting it.

11 The open of the catalog data file failed. Verify that the file specified for the CACCAT DD name is correct and restart the server after correcting it.

19 An internal error occurred processing the catalog index file. Verify that the file specified for the CACINDX DD name is correct and restart the server after correcting it.

24 An internal error occurred processing the data catalog data file. Verify that the file specified for the CACCAT DD name is correct and restart the server after correcting it.

User response: Review the actions for each error-code listed above and take appropriate corrective action as needed. If the problem persists after corrective action is attempted, contact IBM Software Support and provide the data server output and configuration settings.

Query processor (QP) service (CACE)

CACE0107I USER *user ID* SESSIONID *session ID*
BREACHED *percentage* SUBPOOL
THRESHOLD.

Explanation: This is an informational message. The query processor service issues this message when it processes a large or complex query that requires a large amount of memory. The query processor issues this message when it checks for the number of extents that remain in the query storage subpool for the specified user. The threshold warning means that a large query is increasing the initial allocation or the size of the secondary extents that you can acquire for the user query subpool.

When the size of a user subpool decreases, you can

modify the query processor configuration, the data source-specific override, or the user-specific override. The **BTREEBUFFS** parameter sets the initial allocation. The **USERSUBPOOLMAX** parameter defines the size of the secondary extent allocations.

User response: You can increase the initial allocation by assigning more buffers. If you increase the default value for **USERSUBPOOLMAX**, larger extents are allocated which helps prevent filling the subpools as quickly when query processing requires a lot of storage. If you use user overrides, you need to modify the configuration to specify more storage and reconnect the user when the CACE0107I message is issued.

Database access service (CACF)

CACF060I CACF060I

Explanation: An error occurred during a VSAM file operation. The body of this message text contains diagnostic information for troubleshooting the problem. The descriptive message text is in the following format:

DDN (*ddname*)
DSN (*data set name*)
DSNTYPE (*data set type*)
OP (*operation being performed*)
RC (*return code*)
ACBERFLG (*xx,text*)
RPLREQ (*xx,text*)
RPLFDBWD (*xx.xx.xx.xx,text*)
RPLOPTCD (*xx.xx.xx.xx*)
ACBMACRF (*xx.xx.xx.xx*)
ACBADDR (*xxxxxxxx*)
RPLADDR (*xxxxxxxx*)
JOB (*job_name*)
STEP (*step_name*)
PROCSTEP (*proc_step_name*)
JOBID (*JES Job ID*)

When the data for a given item is either not available or not applicable to a particular situation, the characters N/A are provided.

DDN (*ddname*)
Identifies the DD name.

DSN (*data set name*)
Identifies the data set name.

DSNTYPE (*data set type*)
Identifies one of the following data set types:

- ESDS
- F-RRDS
- KSDS
- LDS

- V-RRDS

OP (*operation*)

Identifies the major type of VSAM operation requested:

- OPEN
- BLDVRP
- CHECK
- CLOSE
- ENDREQ
- ERASE
- GENCB
- GET
- IDALKADD
- MODCB
- POINT
- PUT
- SHOWCAT
- SHOWCB
- TESTCB
- VERIFY
- WRTBFR

RC (*return code*)

The return code (eight hexadecimal digits) received from VSAM for the requested operation.

ACBERFLG (*xx,text*)

The content of the ACB error flags field (ACBERFLG) upon completion of the requested operation. The *xx* portion of the message is a two-digit hexadecimal value. The text portion of the message is descriptive text. For example: 91,VVDS I/O Error.

RPLREQ (*xx,text*)

Displays the value of RPL field RPLREQ

CACL002E

which identifies the VSAM macro function that was invoked. The *xx* portion of the message is a two-digit hexadecimal value. The text portion of the message is descriptive text. For example: 03,P0INT.

RPLFDBWD (*xx.xx.xx.xx.text*)

Displays the value of RPL field RPLFDBWD which describes the nature of the failure. The *xx.xx.xx.xx* portion of the message is a set of four two-digit hexadecimal values separated by dot characters. The text portion of the message is descriptive text. For example: 03.08.00.08,DUPLICATE KEY

RPLOPTCD (*xx.xx.xx.xx*)

Displays the four 1-byte RPL option code fields (RPLOPT1 through RPLOPT4) as a set of four two-digit hexadecimal values separated by dot characters.

ACBMACRF (*xx.xx.xx.xx*)

Displays the four 1-byte ACB macro format fields (ACBMACR1 through ACBMACR4) as a set of four two-digit hexadecimal values separated by dot characters.

ACBADDR (*xxxxxxxx*)

Displays the address of the related ACB as an eight-digit hexadecimal value.

RPLADDR (*xxxxxxxx*)

Displays the address of the related RPL as an eight-digit hexadecimal value.

JOB (*job_name*)

Displays the name of the job that performed the VSAM operation.

STEP (*step_name*)

Displays the name of the step within the job that performed the VSAM operation.

PROCSTEP (*proc_step_name*)

Displays the name of the procedure step within the job that performed the VSAM operation.

JOBID (*JES Job ID*)

Displays the JES job ID assigned to the job that performed the VSAM operation.

Depending on which component logs this message and on the total length of the message text, the body of the message might be divided into multiple, separate log entries or diagnostic records.

User response: If the message is divided into multiple log entries or diagnostic records, monitor the preceding and subsequent messages in the data server trace log or the client message chain to assemble the entire descriptive message text.

In addition, you should check the data server trace log or client error message chain for the initial and final error messages (using different message numbers) that might help to resolve this issue without using the information in this message.

If you cannot resolve the problem with the initial or final error or trace messages, see z/OS Information Center for details about the content of ACB and RPL fields and descriptions of the return, reason and status codes that this message provides. See the following topics:

- VSAM Diagnostic Aids

This section contains information about the following topics:

- VSAM OPEN/CLOSE/End-of-Volume Return and Reason Codes
- VSAM Record Management (R/M) Diagnostic Aids
- VSAM Record Management Return and Reason Codes

- VSAM Macro Return and Reason Codes

This section contains information about the following topics:

- OPEN Return and Reason Codes
- CLOSE Return and Reason Codes
- Control Block Manipulation Macro Return and Reason Codes
- Record Management Return and Reason Codes
- End-of-Volume Return Codes
- Return Codes from Macros Used to Share Resources Among Data Sets

This information is also available in the publications *z/OS DFSMSdfp Diagnosis* and *z/OS DFSMS Macro Instructions for Data Sets*.

If these topics do not provide recommended recovery actions, look for an accompanying IEC161I message. This message is written to the MVS system log and the job log. See the z/OS MVS System Messages publication for additional information and suggested recovery actions.

System exits (CACL)

CACL002E UNRECOGNIZED SAFFUNC VALUE:
SAFFUNC value

Explanation: The value contained in field SAFFUNC within the SAF DSECT is not valid. The value in this

field describes the major event for which the SAF exit is being invoked.

The message contains the following item:

SAFFUNC value: The errant SAFFUNC value in hexadecimal.

User response: No action is required.

CACL003W UNSUCCESSFUL ACEE DELETION.
ACEE at ACEE address SAF RC=SAF
return code RACROUTE RC/RS=
RACROUTE return code/reason code

Explanation: An attempt to delete an ACEE did not succeed.

The message contains the following items:

ACEE address

Hexadecimal address of the ACEE for which the deletion did not succeed.

SAF return code

Hexadecimal SAF router return code.

RACROUTE return code

Hexadecimal RACROUTE REQUEST=VERIFY return code.

RACROUTE reason code

Hexadecimal RACROUTE REQUEST=VERIFY reason code.

See the z/OS Security Server documentation about RACROUTE macros for information about RACROUTE return codes and reason codes.

User response: No action is required.

CACL004E CACSXVD4 STRUCT AT CACSXVD4
address FAILED VALIDATION. *error*
description

Explanation: The CACSXVD4 data structure is created during the initialization processing of the SAF exit. It persists until the exit is invoked for termination processing when it is destroyed. For all other invocations of the SAF exit, the pointer to the CACSXVD4 structure is presented as an input argument.

Before using the CACSXVD4 structure referenced by the supplied input argument, several validity checks of structure key fields are performed. At least one of these validity checks was not successful.

The message contains the following items:

CACSXVD4 address

The hexadecimal address of the CACSXVD4 structure that failed the validity checks.

error description

One of the following strings:

- INVALID VD4SIG1
- INVALID VD4SIG2
- INVALID CACSXVD4 ADDRESS

User response: No action is required.

CACL005E UNSUCCESSFUL ACEE CREATION.
SAF RC=SAF return code RACROUTE
RC/RS=RACROUTE return code/reason
code USER=user ID {UNKNOWN USER
ID OR INVALID PASSWORD}

Explanation: An attempt to create an ACEE did not succeed.

The message contains the following items:

SAF return code

Hexadecimal SAF router return code.

RACROUTE return code

Hexadecimal RACROUTE REQUEST=VERIFY return code.

RACROUTE reason code

Hexadecimal RACROUTE REQUEST=VERIFY reason code.

user ID Identity of the user on whose behalf the ACEE creation is attempted.

The UNKNOWN USER ID OR INVALID PASSWORD phrase is present only when the security system explicitly indicates that this is the cause of the failure.

See the z/OS Security Server documentation about RACROUTE macros for information about RACROUTE return codes and reason codes.

User response: When the failure is due to an unknown user ID or invalid password, correct the corresponding information and retry your operation. For all other failures, contact your security system administrator for assistance.

CACL006W UNSUCCESSFUL RACROUTE
REQUEST=AUTH. SAF RC=SAF return
code RACROUTE RC/RS=RACROUTE
return code/reason code USER=user ID
GROUP=group name MODE=access mode
CLASS=resource class name VOL=volume
ID RESOURCE=resource name

Explanation: An attempt to validate access to the identified SAF protected resource on behalf of the identified user was not successful.

The message contains the following items:

SAF return code

Hexadecimal SAF router return code.

RACROUTE return code

Hexadecimal RACROUTE REQUEST=VERIFY return code.

RACROUTE reason code

Hexadecimal RACROUTE REQUEST=VERIFY reason code.

user ID Identity of the user attempting to access the protected resource.

CAACL007E • CAACL011I

group name

Name of the group of which the user is member. If the group name is not available, the characters N/A are shown.

access mode

Identifies the resource access level being attempted. See the z/OS Security Server documentation about how users and groups are authorized to access resources by using RACF for information about access levels.

resource class name

Identifies the name of the SAF resource class to which the protected resource belongs.

volume ID

Identifies the volume on which the protected resource resides. For some resources (such as VSAM data sets) this is the volume ID of the catalog in which the resource is described. If the volume ID is not available or not applicable, the characters N/A are shown.

resource name

Identifies the resource to which access is being requested.

See the z/OS Security Server documentation about RACROUTE macros for information about RACROUTE return codes and reason codes.

User response: If you believe that access to the resource was inappropriately denied, contact your security system administrator for assistance.

CAACL007E UNSUCCESSFUL LOCATE. R15=GPR 15
value upon return from LOCATE R0=GPR 0
value upon return from LOCATE DSN=data
set name

Explanation: An attempt to retrieve catalog information for a given data set using the LOCATE service was not successful.

See the z/OS DFSMSdfp documentation about advanced services for information about LOCATE service return and reason codes.

The message contains the following items:

GPR 15 value upon return from LOCATE
Hexadecimal LOCATE service return code.

GPR 0 value upon return from LOCATE
Hexadecimal value contained in GPR 0 upon return from the LOCATE service. In some situations this a reason code value and in other situations this is an address value.

User response: This message is typically issued as a result of attempting to reference a data set that is not cataloged (the GPR 15 value upon return from the LOCATE service is x'00000008'). In this situation, you should verify that the data set name is correctly

specified (for example, check the spelling).

For other failures, contact your data management administrator for assistance.

CAACL008E UNABLE TO OBTAIN CACSXVD4
STRUCTURE STORAGE

Explanation: An attempt to acquire storage for the CACSXVD4 structure was unsuccessful. MVS system message IEA705I might also be issued, which further describes the cause of the problem.

In general, when this problem occurs for a given job step subsequent processing of the SAF exit for that job step cannot succeed.

User response: The REGION size for the job step might need to be increased. If the problem persists, a SLIP trap might be required to obtain an SVC dump for problem diagnosis. Contact IBM support for further assistance.

CAACL009E UNRECOGNIZED SAF EXIT OPTION
PARAMETER: parameter value

Explanation: An unknown SAF exit option parameter was received.

The message contains the following item:

parameter value
Up to the first 32 characters of the unrecognized option parameter.

User response: Correct the SAF exit options string and retry your operation.

CAACL010E NO ADABAS VIEW NAME IN USE
GRAMMAR

Explanation: An ADABAS resource access authorization check request was received, however, the specified ADABAS view name is null (or all blanks).

User response: Contact your database and security system administrators for assistance.

CAACL011I SAF SERVAUTH CLASS CHECKING IS
servauth state

Explanation: This message reflects the state of access rights checking for the SAF SERVAUTH resource class. This state corresponds to the effective value of the SAF exit parameter NETACCESS.

The message contains the following item:

servauth state
The string ENABLED if SERVAUTH network security zone access rights checking is enabled. Otherwise, the string DISABLED is shown.

User response: No action is required.

CACL012I **DIAG DATA AT CACSX04 EXIT**
SAFSRVNM: *function or service name*
string **SAFSRVRC:** *hex value* **SAFSVRS1:**
hex value **SAFSVRS2:** *hex value*

Explanation: This message is issued immediately before CACSX04 returns to its caller. The message reflects the diagnostic data values contained in CACSXPL4 major field SAFSRVDX, which contains subordinate fields SAFSRVNM, SAFSRVRC, SAFSVRS1, and SAFSVRS2.

For RACROUTE services:

- SAFSRVRC is the value contained in GPR 15 upon return from RACROUTE (also referred to as the SAF return code).
- SAFSVRS1 and SAFSVRS2 are the security system return and reason codes, respectively (also referred to as the RACF return and reason codes).

User response: No action is required.

CACL013E **INVALID SAF EXIT OPTION**
PARAMETER OPERAND LENGTH:
parameter value

Explanation: The SAF exit options parser encountered a parameter with an operand length that exceeds the permissible maximum.

The errant parameter is ignored and the system continues its operation.

The message contains the following item:

parameter value
Up to the first 32 characters of the parameter phrase.

User response: Correct the SAF exit options string in the system configuration data and retry your operation.

CACL014E **INVALID SAF EXIT OPTION**
PARAMETER LENGTH: *parameter value*

Explanation: The SAF exit options parser encountered a parameter length that exceeds the permissible maximum.

The errant parameter is ignored and the system continues its operation.

The message contains the following item:

parameter value
Up to the first 32 characters of the parameter phrase.

User response: Correct the SAF exit options string in the system configuration data and retry your operation.

CACL015E **INVALID SAF EXIT OPTION**
PARAMETER SYNTAX: *parameter value*

Explanation: The SAF exit options parser encountered a parameter that is syntactically invalid.

The errant parameter is ignored and the system continues its operation.

The message contains the following item:

parameter value
Up to the first 32 characters of the parameter phrase.

User response: Correct the SAF exit options string in the system configuration data and retry your operation.

CACL016E **INVALID SAF EXIT OPTION**
PARAMETER OPERAND VALUE:
parameter value

Explanation: The SAF exit options parser encountered a parameter with an operand that is invalid. For example, a given parameter may expect a numeric operand value, but a non-numeric character was found in the operand.

The errant parameter is ignored and the system continues its operation.

The message contains the following item:

parameter value
Up to the first 32 characters of the parameter phrase.

User response: Correct the SAF exit options string in the system configuration data and retry your operation.

CACL017E **UNSUCCESSFUL BPX-function-name**
RC=*hex-Return-code* **RSN=***hex-Reason-Code*
RV=*hex-Return-Value*
Language-Environment-message-text

Explanation: A UNIX System Services (BPX) function did not complete successfully.

The message contains the following items:

BPX-function-name
Name of the UNIX System Services function that did not succeed.

RC: *hex-Return-code*
Return code from the function, shown in hexadecimal format. Return code values are also referred to as **errno** values in UNIX System Services documentation.

RSN: *hex-Reason-Code*
Reason code from the function, shown in hexadecimal format. Reason code values are also referred to as **errnojr** values in UNIX System Services documentation.

CACL022W • CACL023E

RV: *hex-Return-Value*

Return value from the function, shown in hexadecimal format.

Language-Environment-message-text

The Language Environment message text that describes the return code (**errno**) value.

See the following product documentation for more information:

- z/OS UNIX System Services Assembler Callable Services documentation for information about USS (BPX) functions and the corresponding return codes, reason codes and return values.
- z/OS UNIX System Services Messages and Codes documentation for more information about USS return codes (**errno** values) and reason codes (**errnojr** values).
- z/OS Language Environment Run-Time Messages documentation for descriptions of Language Environment messages.

User response: Contact your UNIX System Services administrator for assistance.

Example:

```
CACL017E UNSUCCESSFUL BPX1ACC
CACL017E RC=00000081 RSN=0516006C RV=FFFFFFFF
CACL017E EDC5129I No such file or directory.
```

CACL022W ACCESS DENIED TO USS FILE
MODE=*intended-access-mode*
USER=*user-ID* **GROUP**=*group-name*
PATH=*USS-file-system-Path-Name*

Explanation: Access is denied to a file residing in a UNIX System Services file system.

The message contains the following items:

MODE A string of one or more of the following characters which indicates the intended access mode:

R Read access
W Write access
X Execute access

USER The MVS User ID of the user intending to access the file.

GROUP

The name of MVS Group to which the identified user belongs.

PATH The name of the USS file system path that identifies the file to which access was intended.

Message **CACL017E** is typically issued in conjunction with this message.

User response: Contact your security system administrator for assistance.

Example:

```
CACL022W ACCESS DENIED TO USS FILE.
CACL022W MODE=R USER=IBMUSER GROUP=IICF
CACL022W PATH=/u/development/binclitest/binclitest.c
```

CACL023E CACL023E ACTIVE ACEE ESTABLISHMENT FAILED. R15:
r15-hex-digits **R0:** *r0-hex-digits* **R1:**
r1-hex-digits **ACEE:** *hex-ACEE-adress* **FCN:**
attempted-operation

Explanation: The attempt to establish an active ACEE for the current TCB was not successful. The TCB was not altered and its existing active ACEE (if any) was not changed.

The message contains the following items:

R15: *r15-hex-digits*

Internal diagnostic data from the active ACEE establishment function.

R0: *r0-hex-digits*

Internal diagnostic data from the active ACEE establishment function.

R1: *r1-hex-digits*

Internal diagnostic data from the active ACEE establishment function.

ACEE: *hex-ACEE-adress*

The address of the ACEE that was intended to become the active ACEE for the task.

FCN: *attempted-operation*

A text string that identifies the operation being attempted:

SETACEE SET

The active ACEE for the task was being switched to that of a given user.

SETACEE RESET

The active ACEE for the task was being switched to its original state, that is, the state that existed prior to a SETACEE SET operation.

When the attempted operation is SETACEE RESET, the current task ends with a U3010 abend with reason code 0x004D0014

User response: Contact your USS administrator for assistance.

Example:

```
CACL023E ACTIVE ACEE ESTABLISHMENT FAILED.
CACL023E R15: FFFFFFFF R0: FFFFFFFF
R1: 008C7DE8 ACEE: 008C7DE8
CACL023E FCN: SETACEE SET
```

Capture service (CECC)

CECC0001I (0x01020001) CECC0001I The source server is active.

Explanation: The source server determined that initialization of the runtime environment completed. The source server attempts to start replication for any eligible persistent subscriptions after this message is issued.

User response: No action is required.

CECC0003I (0x01020003) CECC0003I Quiesce initiated for the source server.

Explanation: Upon request the source server is shutting down. A controlled end of replication is performed for all active subscriptions before the shutdown completes.

User response: No action is required.

CECC0004I (0x01020004) CECC0004I The source server is shutting down and replication activities are stopping.

Explanation: Upon request the source server is shutting down. An immediate end of replication is performed for all active subscriptions before the shutdown completes.

User response: No action is required.

CECC0005E (0x01020005) CECC0005E A general infrastructure error was encountered. The error message code is *specific-return-code*, with the specific return codes (*rc1,rc2*).

Explanation: The source server detected an error that is not associated with a specific subscription.

User response: For information about how to resolve the error, refer to the *specific-return-code* in the product message information. If the problem persists, contact IBM Software Support.

CECC0012E (0x0102000C) CECC0012E The source server could not establish a connection to the target server for subscription *subscription-name* using target URL *URL-name*. The error message code is *specific-return-code*, with the specific return codes (*rc1,rc2*).

Explanation: The source server was not able to establish a connection to the target server for a subscription using the target URL specification.

User response: For instructions about how to resolve the error, refer to the *specific-return-code* in the product

message information. If the problem persists, contact IBM Software Support.

CECC0015E (0x0102000F) CECC0015E The source server has unexpectedly lost the target server connection for subscription *subscription-name*.

Explanation: Normally when the source server establishes a connection with the target server for a subscription, before ending the connection, the server that is preparing to disconnect the session notifies the other server that a disconnect is about to happen. This message is issued by the source server when a connection with the target server unexpectedly disappeared for a subscription.

Typical reasons for these types of unexpected disconnects are abnormal termination of the apply service, or a temporary TCP/IP outage.

User response: Review the target server to determine if it is operating normally. Also check with your network administrator to determine whether there were any known problems with TCP/IP around the time that the CECC0015E message was issued.

CECC0016E (0x01020010) CECC0016E The source server encountered an unexpected error condition for subscription *subscription-name*. The error message code is *specific-return-code*, with the specific return codes (*rc1,rc2*).

Explanation: The source server detected an error condition that affects a specific subscription.

User response: For information about how to resolve the error, refer to the *specific-return-code* in the product message information. If the problem persists, contact IBM Software Support.

CECC0018E (0x01020012) CECC0018E The target server encountered an unexpected error condition for subscription *subscription-name*. The error message code is *specific-return-code*, with the specific return codes (*rc1,rc2*).

Explanation: This error is reported when a sign-on request fails or when the target server decides to shutdown the conversation with the source server.

When the CECC0018E message is issued with error message code 690002, the CICS listener is not available due to one of the following reasons:

- The listener is started but is listening on a port that is not defined in the target server configuration.
- The listener is not started.

CECC0020I (0x01020014) • CECC0034I (0x01020022)

User response: For error message code 690002, issue the TCPIP netstat conn command to verify the status of the CICS listener.

- If it is listening on a port that is different than the port defined in the target server configuration, change the value of the CICSPORT configuration parameter.
- If the listener is not active, start the listener.
- If the listener is not known to the CICS region, the listener is not installed.

See the *z/OS IP CICS Sockets Guide* for instructions on how to install and configure the CICS listener.

Review the target server event log to determine the error condition.

CECC0020I (0x01020014) CECC0020I A Describe process started for the subscription *subscription-name*.

Explanation: The source server started a Describe operation for a subscription.

User response: No action is required.

CECC0021I (0x01020015) CECC0021I A Describe process completed for the subscription *subscription-name*.

Explanation: The source server finished a Describe operation for a subscription.

User response: No action is required.

CECC0022I (0x01020016) CECC0022I The source server is describing the replication mapping *replication-object-name* for the subscription *subscription-name*.

Explanation: The source server is sending metadata about a replication mapping to the target server during a Describe operation for a subscription.

User response: No action is required.

CECC0023W (0x01020017) CECC0023W The Describe operation for the replication mapping *replication-object-name* failed for the subscription *subscription-name*. The error message code is *specific-return-code*, with the specific return codes (*rc1,rc2*).

Explanation: The source server sends this message in response to an error notification from the target server when a Describe operation encounters a problem with one of the replication mappings associated with a subscription. The source server issues one of these messages for each replication mapping that encounters an error during the Describe operation for a subscription.

You cannot start replication for this subscription until you resolve the problem or park the replication mapping.

User response: The target server initially detected and reported this error. For more information, review the event log for the target server and refer to the *specific-return-code* in the documentation for Classic messages. If the problem persists, contact IBM Software Support.

CECC0024I (0x01020018) CECC0024I An subscription update process started for the subscription *subscription-name*.

Explanation: The source server started a subscription update operation for a subscription.

User response: No action is required.

CECC0030I (0x0102001E) CECC0030I Replication is starting for the subscription *subscription-name*.

Explanation: The source server received a request to start replication for a subscription.

User response: No action is required.

CECC0032I (0x01020020) CECC0032I The source server has requested restart information for the subscription *subscription-name*.

Explanation: The source server is starting replication for a subscription and has proceeded to the point where a request has been sent to the target server requesting restart information.

User response: No action is required.

CECC0033I (0x01020021) CECC0033I Change capture started for the subscription *subscription-name* starting at *DB2-time-stamp*.

Explanation: The source server determined where change-capture operations will begin for a subscription that is in the process of starting replication. Determination of when change-capture operations begin is based on the restart information obtained from the target server and log position information for the active replication mappings associated with the subscription.

User response: No action is required.

CECC0034I (0x01020022) CECC0034I The source server is receiving changes for the subscription *subscription-name*.

Explanation: The source server issues this message when the first change is staged in the capture cache after replication is started for a subscription.

User response: No action is required.

CECC0035I (0x01020023) CECC0035I The source server enabled replication for the replication mapping
replication-object-name in the subscription subscription-name.

Explanation: The source server is informing the target server and requesting runtime validation for a replication mapping before starting replication for a subscription. One of these messages is issued for each replication mapping that is in an active state when replication is started for a subscription.

User response: No action is required.

CECC0036E (0x01020024) CECC0036E The target server detected problems with the replication mapping
replication-object-name in the subscription subscription-name. The error message code is specific-return-code, with the specific return codes (rc1,rc2).

Explanation: This message is reported by the source server in response to an error notification from the target server when starting replication for a subscription when a problem is detected for one of the replication mappings associated with a subscription. One of these messages is issued for each replication mapping that is in an active state and the target server reports some kind of problem that is related to a replication mapping.

User response: This error was initially detected and reported by the target server. It is possible that the target server logged more information about the problem and you should review the event log for the target server.

For information about how to resolve the error, refer to the *specific-return-code* in the product message information. If the problem persists, contact IBM Software Support.

Replication cannot be started for this subscription until this problem is resolved or the replication mapping is parked.

CECC0037E (0x01020025) CECC0037E The source server failed to start replication for the subscription *subscription-name* **due to inconsistencies.**

Explanation: The request to start replication failed due to one or more problems that were encountered for a subscription or the replication mappings associated with a subscription.

For each problem, error and information messages were reported at the source server, the target server, or both

servers for the specific error condition that was encountered.

User response: Review the source and target server event logs for previously reported errors for the subscription that failed to start replicating. You need to resolve every error reported before you can start replication for the subscription. Alternately, for replication mapping related errors, parking the replication mapping that reported the problem is a potential method that you can use to as a workaround for the underlying problem.

CECC0038I (0x01020026) CECC0038I The source server has queued the subscription *subscription-name* **for change stream assignment.**

Explanation: Replication is starting for a subscription. The subscription does not have a capture cache that contains changes that are eligible for replication. Changes must be obtained from the log reader service for this subscription.

When the restart point is determined for this subscription, the subscription is eligible to be assigned to a change stream. Change-capture operations can then begin for the subscription.

User response: No action is required.

CECC0039I (0x01020027) CECC0039I The source server has detected primary change stream convergence for the subscription *subscription-name* **at database timestamp** *DB2-time-stamp.*

Explanation: The source server has determined that the changes flowing on a secondary change stream for a subscription have caught up with the changes flowing on the primary change stream. The contents of the secondary change stream are no longer being used for that subscription.

User response: No action is required.

CECC0042E (0x0102002A) CECC0042E The source server marked the subscription *subscription-name* **in error because the volume of changes is larger than the size of the capture cache.**

Explanation: The source server stopped replication for a subscription because the capture cache is too small. This is considered an error condition because the capture cache is too small to hold all of the changes for the currently in-flight units of recovery. The capture cache must be large enough to hold all changes for a unit-of-recovery before it can be sent to the target server for processing.

User response: Increase the size of the capture cache for the subscription that is reporting the error.

CECC0043I (0x0102002B) CECC0043I The source server has suspended change capture for the subscription *subscription-name* because no space is available in the capture cache.

Explanation: The capture cache is too small for the volume of changes received for the subscription. Change capture is temporarily suspended for the subscription until more space becomes available in the capture cache for this subscription. When space is available, capture resumes on a secondary stream.

User response: If this message is issued frequently for a subscription, consider increasing the size of the capture cache for the affected subscriptions.

CECC0044I (0x0102002C) CECC0044I The source server is resuming change capture for the subscription *subscription-name* because space is now available in the capture cache.

Explanation: Space is now available in the capture cache for a subscription for which replication was suspended. Change-capture operations resume based on the last change received that could not be stored in the capture cache.

User response: No action is required.

CECC0045I (0x0102002D) CECC0045I The contents of the capture cache were deleted for subscription *subscription-name* due to changes in the replication objects associated with the subscription.

Explanation: The contents of the capture cache for a subscription have been discarded. This occurs when a Describe operation is performed or when the bookmark for the subscription was changed using a **SETLOGPOS** command.

Due to the changes made to the subscription it is possible that the capture cache might not have contained updates to one or more of the replication objects associated with the subscription. To be safe, the capture cache was deleted and recreated.

User response: No action is required.

CECC0046I (0x0102002E) CECC0046I The source server is stopping change-capture operations for subscription *subscription-name* because the capture cache is full and replication is not active.

Explanation: The source server has discontinued change-capture operations for a subscription because there is no more space available in the capture cache for the subscription. Replication is stopped for the subscription and therefore the capture caches contents

cannot be offloaded until replication restarts.

When replication is restarted, change-capture operations resume based on the last change received that could not be stored in the capture cache.

User response: No action is required.

CECC0047I (0x0102002F) CECC0047I The source server has deferred start of change capture for the subscription *subscription-name* due to lack of change stream resources.

Explanation: The source server is deferring start of change capture operations for a subscription due to lack of change stream resources.

User response: If this message is issued frequently, contact IBM Software Support for guidance on how to eliminate this condition.

CECC0048E (0x01020030) CECC0048E Start of replication failed for subscription *subscription-name*. The target server has detected a problem with the subscription. The error message code is *specific-return-code*, with the specific return codes (*rc1* , *rc2*).

Explanation: The target server detected a problem with a subscription when initially preparing to setup to start replication operations.

User response: For instructions about how to resolve the error, refer to the *specific-return-code* in the product message information. If the problem persists, contact IBM Software Support.

This is a target server error so the problem needs to be corrected at that site.

CECC0049I (0x01020031) CECC0049I The last change successfully applied for the subscription *subscription-name* was committed at *commit-DB2-timestamp*. Processing resumes capturing changes at *restart-DB2-timestamp* when replication is restarted for the subscription.

Explanation: This message is issued by the source server when replication stops for a subscription. In addition, this message is only issued when a controlled end of replication was performed for the subscription.

The message identifies the name of the subscription that completed replication and the source database commit date and time of the last change that was successfully applied by the target server. The message also identifies the date and time when processing resumes in the source database log if replication is restarted for the subscription.

User response: No action is required.

CECC0052I (0x01020034) CECC0052I The source server is stopping replication for the subscription *subscription-name* because the capture service is quiescing.

Explanation: The source server is initiating a controlled end of replication for a subscription. Typically this occurs because a request was received to terminate the source server in a controlled manner. A controlled end of replication can also be initiated when a STOP,SERVICE command with the quiesce option is received for the capture service.

One of these messages is issued for each subscription that is actively replicating changes at the time of shutdown.

User response: No action is required. If this is a persistent subscription and replication ends successfully, replication will automatically resume for the subscription the next time the source server (or capture service) is restarted.

CECC0054I (0x01020036) CECC0054I The source server is stopping replication immediately for the subscription *subscription-name* because the capture service is shutting down.

Explanation: The source server is stopping replication immediately for a subscription. This can occur for a variety of reasons including:

1. Receipt of a request to immediate terminate the source server
2. Receipt of a STOP,SERVICE command for the capture service
3. Some error condition that triggered critical services processing in the source server.

One of these messages is issued for each subscription that is actively replicating changes at the time of shutdown.

User response: No action is required in response to this particular message. If the source server was terminated because of critical services processing, review the event or job log for the source server for an indication of the initial error condition that triggered the source server shutdown.

If this message is issued for a persistent subscription, automatic restart is been disabled and replication has to be started manually for the subscription.

CECC0057E (0x01020039) CECC0057E A connection was active for the subscription *subscription-name* when the capture service stopped.

Explanation: The source server has abruptly severed a connection with the target server for a subscription. This occurs when the capture service terminates

prematurely, which is generally due to an unexpected error condition. Ideally, the target server will treat this as if it received a request to end replication immediately.

User response: Review the event or job log for the source server for an indication of the initial error condition that triggered the capture service shutdown.

It is possible that this message can be issued when critical services processing is triggered in a source server.

It might also be prudent to review the event log for the target server to ensure that it handle this unexpected situation correctly.

CECC0058I (0x0102003A) CECC0058I The source server will start the persistent subscription *subscription-name*.

Explanation: The source server determined that subscription *subscription-name* was active when the source server last stopped. The source server will restart replication for this subscription, which was configured to be persistent.

User response: No action is required.

CECC0059I (0x0102003B) CECC0059I The source server queued the subscription *subscription-name* for restart.

Explanation: The source server determined that subscription *subscription-name* encountered an error, and must restart the subscription when the automatic restart interval expires. The source server queued the subscription for restart of continuous replication and will continue to attempt to restart until it succeeds.

User response: No action is required.

CECC0060W (0x0102003C) CECC0060W The persistent subscription *subscription-name* failed to restart. The source server will attempt to restart again after *restart-time*. The error message code is *specific-return-code*, with the specific return codes (*rc1,rc2*).

Explanation: The source server determined that the persistent subscription *subscription-name* did not start successfully during persistency processing. The source server requeued the subscription for restart of continuous replication and will retry when the automatic restart interval expires. The source server will continue to retry until it succeeds or until an error prevents any further attempts.

User response: No action is required if the error condition is temporary. The server automatically recovers from temporary errors. For information about how to resolve the error, refer to the *specific-return-code* in the product message information. If the problem

CECC0061E (0x0102003D) • CECC0073I (0x01020049)

persists, contact IBM Software Support.

CECC0061E (0x0102003D) CECC0061E Restart processing failed for the persistent subscription *subscription-name*. The source server will not attempt to restart replication for this subscription again. The error code is *specific-return-code*, with reason codes (*rc1*, *rc2*).

Explanation: The source server determined that the subscription *subscription-name* did not restart during persistency processing. The source server set persistency processing to Failed because this error is not recoverable. The source server will not continue to attempt to restart this subscription.

User response: Correct the problem with the subscription and restart replication. You must restart replication manually. For information about how to resolve the error, refer to the *specific-return-code* in the product message information. Review the log for additional messages that indicate the problem with the subscription and why persistency processing was set to Failed.

CECC0062I (0x0102003E) CECC0062I Restart succeeded for the persistent subscription *subscription-name*.

Explanation: The source server determined that the specified subscription started successfully during persistency processing.

User response: No action is required.

CECC0063I (0x0102003F) CECC0063I The source server will not start the persistent subscription *subscription-name* because the subscription is in an Inactive state.

Explanation: The source server determined that the subscription *subscription-name* supports persistency. However, the source server found the persistency state of the subscription was Inactive during initialization. Most likely the subscription was not active when the source server last stopped. Replication for this subscription did not restart automatically.

User response: Restart the subscription manually.

CECC0064W (0x01020040) CECC0064W The source server will not restart the persistent subscription *subscription-name* because it is in a Failed state.

Explanation: The source server determined that the specified subscription supports persistency. However, the source server found the subscription's persistency state was Failed during initialization. Replication for this subscription did not restart automatically.

User response: Review the log for additional messages

that identify the problem and determine why the source server set the subscription to Failed. Correct the problem that caused the subscription to fail and restart the subscription manually.

CECC0066I (0x01020042) CECC0066I The source server set persistency to Active for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0067I (0x01020043) CECC0067I The source server set persistency to On for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0068E (0x01020044) CECC0068E The subscription *subscription-name* is no longer eligible for persistency processing due to an error. The error message code is *specific-return-code*, with specific return codes (*rc1*, *rc2*).

Explanation: This is an informational message. An error occurred that interrupted persistency processing for this subscription.

User response: Correct the problem with the subscription and restart replication. For information about how to resolve the error, refer to the *specific-return-code* in the product message information. Review the log for additional messages that identify the problem and determine why the source server set persistency processing to Failed.

CECC0069E (0x01020045) CECC0069E The source server could not lock the subscription *subscription-name* for persistency processing.

Explanation: This is an internal error.

User response: Contact IBM Software support.

CECC0073I (0x01020049) CECC0073I Refresh is starting for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0080E (0x01020050) CECC0080E The source server has detected an invalid log position for replication mapping *replication-object-name* in subscription *subscription-name*. The log position *DB2-time-stamp* is less than the current bookmark (*DB2-time-stamp*) for the subscription.

Explanation: The source server detected a replication mapping that has a log position with a date and time that is before the restart point for the subscription based on the current bookmark value for the subscription. Only changes made after the restart point are captured so any changes made to the database from the log position for the replication mapping up to the restart point will not be captured.

User response: Before attempting to start replication for the subscription, park the replication mapping. Then activate the subscription by providing a log position date and time that is equal to or greater than the bookmark value for the subscription.

CECC0200I (0x010200C8) CECC0200I The source server created the control queue *queue-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0201I (0x010200C9) CECC0201I The source server removed the control queue *queue-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0202I (0x010200CA) CECC0202I The source server created the primary change stream *queue-name* for log reader service *service-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0203I (0x010200CB) CECC0203I The source server removed the primary change stream *queue-name* for log reader service *service-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0204I (0x010200CC) CECC0204I The source server created the secondary change stream *queue-name* for log reader service *service-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0205I (0x010200CD) CECC0205I The source server removed the secondary change stream *queue-name* for log reader service *service-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0206I (0x010200CE) CECC0206I The source server assigned the subscription *subscription-name* to change stream *stream-name* for the log reader service *service-name*.

Explanation:

subscription-name

Indicates the name of the subscription that the source server assigned to the change stream.

stream-name

Indicates the name of the change stream to which the source server assigned the subscription.

service-name

Indicates the user-defined service name for the log reader service.

The source server is ready to start change-capture operations for a subscription and has assigned the subscription to a change stream.

User response: No action is required.

CECC0207I (0x010200CF) CECC0207I The source server activated change stream *queue-name* for log reader service *service-name*. Change capture operations begin at *DB2-time-stamp*.

Explanation: The source server completed assigning all eligible subscriptions to a change stream and is ready to initiate change-capture operations. The date and time when change-capture begins for that change stream is identified in the message text.

User response: No action is required.

CECC0208I (0x010200D0) CECC0208I The source server has received a connection from the log reader service *service-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0209E (0x010200D1) CECC0209E The source server received notification of a change stream error from log reader service *service-name* for change stream *queue-name*. The error code is *specific-return-code*, with reason codes (*rc1,rc2*).

Explanation: A log reader encountered a non-recoverable error condition while processing a request for a change stream. The text of the message identifies the change stream affected and the error condition.

Replication is ending in a controlled manner for all subscriptions associated with the change stream.

User response: For instructions on how to resolve the error, look up the *specific-return-code* in the product message information.

CECC0210E (0x010200D2) CECC0210E The source server encountered an error while processing data received from change stream *queue-name* for log reader service *service-name*. The error code is *specific-return-code*, with reason codes (*rc1,rc2*).

Explanation: The source server detected an unexpected error condition while processing a change stream request. The text of the message identifies the change stream affected and the error condition.

Replication is ending in a controlled manner for all subscriptions associated with the change stream.

User response: For instructions on how to resolve the error, look up the *specific-return-code* in the product message information.

CECC0213E (0x010200D5) CECC0213E The source server received an unexpected disconnect from the log reader service *service-name*.

Explanation: An unexpected disconnect notification on the control queue was received for a log reader service.

Replication is ending in a controlled manner for all subscriptions being serviced by that log reader service.

User response: Inspect the data server log or the event log to determine what happened to the log reader service.

CECC0215I (0x010200D7) CECC0215I The log reader service *service-name* is being informed that the source server is stopping.

Explanation: This is an informational message.

User response: No action is required.

CECC0216I (0x010200D8) CECC0216I The source server is delaying stream activation *delayed-start-time*.

Explanation: This is an informational message.

User response: No action is required.

CECC0217I (0x010200D9) CECC0217I The source server created the change stream *stream-name* for the log reader service *service-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0218I (0x010200DA) CECC0218I The source server removed the change stream *stream-name* for the log reader service *service-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0240I (0x010200F0) CECC0240I The source server is starting the manager event for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0241I (0x010200F1) CECC0241I The source server is stopping the manager event for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0242I (0x010200F2) CECC0242I The source server is starting the session event for the remote system *remote-system-name:remote-system-port* in session slot *session-slot*.

Explanation: This is an informational message.

User response: No action is required.

CECC0243I (0x010200F3) CECC0243I The source server is stopping the session event for the remote system in session slot *session-slot*.

Explanation: This is an informational message.

User response: No action is required.

CECC0244E (0x010200F4) CECC0244E A restart position could not be determined for subscription *subscription-name*. The server is unable to position the log reader for change capture.

Explanation: The source server could not position the subscription for change capture because no bookmark is available at the target server and no valid log positions are set for replication mappings.

User response: Ensure that the log positions are set correctly for replication mappings in the subscription. If the problem persists, contact IBM Software Support.

CECC0245I (0x010200F5) CECC0245I The record selection exit *module-name* has been successfully loaded.

Explanation: The source server has loaded the record selection exit into the source server environment. This is an informational message.

User response: No action is required.

CECC0246I (0x010200F6) CECC0246I The table identification exit *module-name* has been successfully loaded.

Explanation: The source server has loaded the table identification exit into the source server environment. This is an informational message.

User response: No action is required.

CECC0247I (0x010200F7) CECC0247I The record selection exit *module-name* has been unloaded from memory.

Explanation: The source server has unloaded the record selection exit from the source server environment. This is an informational message.

At this point it is possible to update the contents of the load module. The new version will automatically be loaded the next time you start replication for a subscription.

User response: No action is required.

CECC0248I (0x010200F8) CECC0248I The table identification exit *module-name* has been unloaded from memory.

Explanation: The source server has unloaded the table identification exit from the source server environment. This is an informational message.

At this point it is possible to update the contents of the load module. The new version will automatically be loaded the next time you start replication for a subscription.

User response: No action is required.

CECC0257I (0x01020101) CECC0257I The remote system reports the following message:
Remote-Message

Explanation: This is an informational message.

User response: No action is required.

CECC0258I (0x01020102) CECC0258I The source server opened a communications session to the remote system *remote-system-name:remote-system-port* in session slot *session-slot*.

Explanation: This is an informational message.

User response: No action is required.

CECC0259I (0x01020103) CECC0259I Communications with the host *remote-system-name* started on the control channel.

Explanation: This is an informational message.

User response: No action is required.

CECC0261I (0x01020105) CECC0261I The source server initiated a Describe process for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0262I (0x01020106) CECC0262I The source server initiated continuous replication for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0263I (0x01020107) CECC0263I The source server initiated net change replication for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0264I (0x01020108) CECC0264I The source server initiated refresh processing for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0265I (0x01020109) CECC0265I The source server ended the Describe process for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0269I (0x0102010D) CECC0269I The remote communications monitor closed the communications session with *remote-system-name* in session slot *session-slot*.

Explanation: This is an informational message.

User response: No action is required.

CECC0270I (0x0102010E) CECC0270I The remote communications monitor closed the communications session with *remote-system-name* in session slot *session-slot*.

Explanation: This is an informational message.

User response: No action is required.

CECC0271E (0x0102010F) CECC0271E The remote system has reported a signon failure.

Explanation: The attempt to connect to the target system failed. Review the user ID and password used to create the subscription and ensure that the user ID has proper authority.

User response: No action is required.

CECC0272I (0x01020110) CECC0272I The target server returned a bookmark for the subscription *subscription-name*. (*logscanstart-high-word* *logscanstart-low-word* *restart-high-word* *restart-low-word* *absolute-high-word* *absolute-low-word* *leading-high-word* *leading-low-word*).

Explanation: This is an informational message. Because this information is subject to change, you should not develop custom code that relies on the format or content of this message.

User response: No action is required.

CECC0275I (0x01020113) CECC0275I The source server started communications with the host *remote-system-name* on the data channel.

Explanation: This is an informational message.

User response: No action is required.

CECC0276I (0x01020114) CECC0276I The source server started a control channel for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0277I (0x01020115) CECC0277I The source server started a data channel for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0278I (0x01020116) CECC0278I The source server sent the first change with data that the source system wrote to the logs at *change-log-time* for subscription *subscription-name*. The current log position is (X'*log-position-high-word**log-position-low-word*').

Explanation: This is an informational message.

User response: No action is required.

CECC0279I (0x01020117) CECC0279I Replication ended with data that the source system wrote to the logs at *change-log-time* for subscription *subscription-name*. The source server sent *number-of-changes* changes, and the current log position is (X'*log-position-high-word**log-position-low-word*').

Explanation: This is an informational message.

User response: No action is required.

CECC0280I (0x01020118) CECC0280I The control channel is shutting down for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0281I (0x01020119) CECC0281I The data channel is shutting down for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0282E (0x0102011A) CECC0282E The maximum bookmark length of *target-bookmark-length* as defined on the target server is insufficient. Bookmarks require a minimum length of *source-bookmark-length*.

Explanation: During the initial communications between a publisher and subscriber, the publisher discovered that the maximum bookmark length in the publication environment is greater than maximum for the subscriber. Replication did not start.

User response: Contact IBM Software Support.

CECC0283I (0x0102011B) CECC0283I The source server enabled the heartbeat feature and set the timeout to *heartbeat-timeout* seconds.

Explanation: This is an informational message.

User response: No action is required.

CECC0284I (0x0102011C) CECC0284I The source server disabled the heartbeat feature.

Explanation: This is an informational message.

User response: No action is required.

CECC0286E (0x0102011E) CECC0286E The source server encountered an invalid commit control level when it received *received-commitment-control* from the remote partner.

Explanation: During initial communications, the subscriber sent a commitment control level to the publisher that the publisher does not support. Commitment control settings defined in the publisher and subscriber environments must be compatible.

User response: Contact IBM Software Support.

CECC0287I (0x0102011F) CECC0287I The target server requested a controlled stop for subscription *subscription-name*.

Explanation: The source server received a request from the target server to stop refresh processing or replication in a controlled manner. The source server will process all data in the current commit group before stopping.

User response: No action is required.

CECC0288I (0x01020120) CECC0288I The target server requested an immediate stop for subscription *subscription-name*.

Explanation: The source server received a request from the target server to stop refresh processing or replication immediately. The source server processes no further data and stops refreshing or replicating.

User response: No action is required.

CECC0289W (0x01020121) CECC0289W The target server requested a stop that the source server did not recognize for subscription *subscription-name*.

Explanation: The source server received a request from the target server to stop refresh processing or replication. The source server did not recognize the request. The source server processes no further data and stops refreshing or replicating immediately.

User response: Contact IBM software support.

CECC0290E (0x01020122) CECC0290E A heartbeat timeout occurred. Replication will shut down for subscription *subscription-name*.

Explanation: The source server received no messages from the target server during a heartbeat timeout period, and declared a heartbeat failure.

User response: No action is required.

CECC0291I (0x01020123) CECC0291I The source server ended net change replication for the subscription *subscription-name* because the source server stopped receiving captured changes for the subscription.

Explanation: This is an informational message.

User response: No action is required.

CECC0292E (0x01020124) CECC0292E The source server encountered an internal error during refresh processing for the subscription *subscription-name*.

Explanation: Refresh failed for the specified subscription because an internal error occurred.

User response: Contact IBM software Support.

CECC0293I (0x01020125) CECC0293I Refresh is complete for the table *schema-name.table-name* of subscription *subscription-name*. The target environment reports that it received *number-of-rows-received* rows, applied *number-of-rows-applied* rows, and failed to apply *number-of-rows-failed* rows.

Explanation: This is an informational message.

User response: No action is required.

CECC0294E (0x01020126) CECC0294E The source server encountered an error during refresh processing for the subscription *subscription-name*.

Explanation: Refresh failed for the specified subscription because an error occurred.

User response: Review the CECC0016E event message which will follow this event message.

CECC0295E (0x01020127) CECC0295E The source server encountered an error during refresh processing for the table *schema-name.table-name* in the subscription *subscription-name*.

Explanation: Refresh failed for the specified table of the specified subscription because an error occurred.

User response: Review the CECC0016E event message which will follow this event message.

CECC0296I (0x01020128) CECC0296I A standard refresh started for the table *schema-name.table-name* of subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0297I (0x01020129) CECC0297I A differential refresh (refresh only) started for the table *schema-name.table-name* of subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0304I (0x01020130) CECC0304I A standard refresh with constraints started for the table *schema-name.table-name* of subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0305I (0x01020131) CECC0305I A differential refresh (refresh only) with constraints started for the table *schema-name.table-name* of subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0306E (0x01020132) CECC0306E The refresh for the subscription *subscription-name* failed because IMS is not configured to prevent uncommitted reads.

Explanation: Refresh processing encountered an IMS PSB that is not configured to prevent uncommitted reads. As a result, refresh failed for the specified subscription.

User response: Set a PCB PROCOPT with a value of GP. SENSEG level options cannot be used. For more information, see the IMS product documentation.

CECC0307I (0x01020133) CECC0307I A differential refresh (refresh and log differences) started for the table *schema-name.table-name* of subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0308I (0x01020134) CECC0308I A differential refresh (refresh and log differences) with constraints started for the table *schema-name.table-name* of subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0309I (0x01020135) CECC0309I A differential refresh (only log differences) started for the table *schema-name.table-name* of subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0310I (0x01020136) CECC0310I A differential refresh (only log differences) with constraints started for the table *schema-name.table-name* of subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0311E (0x01020137) CECC0311E Refresh for table *schema-name.table-name* of subscription *subscription-name* failed because user *user-name* does not have select authority.

Explanation: The specified user does not have select authority for the specified table.

User response: Grant SELECT authority for the specified user on the specified table.

CECC0312E (0x01020138) CECC0312E A refresh failed for the subscription *subscription-name* because the data server configuration does not have a service of service class QPLD defined.

Explanation: A refresh failed for the specified subscription because the data server does not have a service of service class QPLD defined.

User response: Define and start a service of service class QPLD.

CECC0313E (0x01020139) CECC0313E A refresh failed for the subscription *subscription-name* because service *service-name* is not running.

Explanation: A refresh failed for the specified subscription because the specified service is not running.

User response: Start the specified service. If the problem still exists, contact IBM Software Support.

CECC0320W (0x01020140) CECC0320W A start mirroring command was issued for subscription *subscription-name* but the subscription has only replication mappings with update method refresh defined.

Explanation: This is a warning that the subscription was configured with replication mappings only that are using update method refresh and thus no actual mirroring will occur.

User response: Review the configuration of your subscription.

CECC0321E (0x01020141) CECC0321E An invalid table ID *table-ID* was received for table *object-owner.object-name* from the target environment for subscription *subscription-name*.

Explanation: The target server returned an invalid table ID for the specified table.

User response: Review the source and target logs to determine the problem. Correct the problem and then

describe the subscription to the target again. If the problem persists, contact IBM Software Support.

CECC0322E (0x01020142) CECC0322E The Describe process was not successful for the table *object-owner.object-name* for the subscription *subscription-name*. Check the target server for more information.

Explanation: The Describe process failed for the specified table.

User response: Review the source and target logs to determine the problem. Correct the problem and then initiate another Describe process for the subscription. If the problem persists, contact IBM Software Support.

CECC0323I (0x01020143) CECC0323I Updates are being sent that occurred during the active refresh of table *schema-name.table-name* of subscription *subscription-name*. This can also include updates that occurred before the refresh when the subscription was set inactive.

Explanation: This is an informational message.

User response: No action is required.

CECC0324I (0x01020144) CECC0324I Completed sending updates that occurred during refresh to table *schema-name.table-name* of subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECC0336I (0x01020150) CECC0336I Continuous replication is starting for the subscription *subscription-name*.

Explanation: The subscription *subscription-name* was started in continuous replication mode. This informational message is issued in response to a START command that specifies the CONTINUOUS keyword.

User response: No action is required.

CECC0337I (0x01020151) CECC0337I Controlled stop is complete for subscription *subscription-name*.

Explanation: The subscription *subscription-name* stopped successfully. This informational message is issued in response to a STOP command that specifies the CONTROLLED keyword.

User response: No action is required.

CECC0338E (0x01020152) CECC0338E The Classic data server detected an error for the subscription *subscription-name* and stopped the subscription.

Explanation: The subscription *subscription-name* was stopped due to an error detected by the replication software.

User response: This message generally follows a separate error message that describes the error. Review the system messages preceding this message and take any corrective action necessary before restarting the subscription.

DBMS specific messages (CECD)

CECD0001E (0x01040001) CECD0001E The source server could not find a table or view in the catalog. The subscription that contains the table or view *object-owner.object-name* is *subscription-name*.

Explanation: The specified table or view mapping was not found in the metadata catalog. Replication cannot start because the source server cannot locate the catalog object.

User response: Create the table or view mapping and alter it for change data capture, initiate a Describe process for the subscription, and then retry the operation. Alternatively, park the replication mapping and retry the operation. If the problem persists, contact IBM Software Support.

message information. If the problem persists, contact IBM Software Support.

CECD0004E (0x01040004) CECD0004E Replication cannot start for the subscription *subscription-name* until the source server describes the replication mapping *replication-mapping-name* to the target server.

Explanation: The source server found a replication mapping that changed since the source server last described the mapping to the target. Replication cannot start for the specified subscription.

The format of the *replication-mapping-name* is *object-owner, object-name*.

User response: Initiate a Describe process for the specified subscription. When the Describe process is complete, start replication again. If the problem persists, contact IBM Software Support.

CECD0002E (0x01040002) CECD0002E The table or view *object-owner.object-name* in the subscription *subscription-name* is not altered for change capture.

Explanation: The source server found the specified table or view mapping in the metadata catalog, but the table or view is not altered for change capture. The source server cannot start replication for this subscription because the catalog object is not valid.

User response: Alter the specified table or view mapping to flag it for change capture and restart replication. If the problem persists, contact IBM Software Support.

CECD0005E (0x01040005) CECD0005E No replication mappings are active for the subscription *subscription-name*. The subscription is stopping.

Explanation: No replication mappings in the subscription are active. Replication and refresh cannot start unless there is at least one active replication mapping.

User response: Activate a replication mapping in the subscription and retry the operation.

CECD0003E (0x01040003) CECD0003E The source server encountered an error loading a table or view in the catalog. The subscription that contains the table or view *object-owner.object-name* is *subscription-name*. The error message code is *specific-return-code*, with the specific return codes (*rc1,rc2*).

Explanation: The source server encountered an error attempting to load a table or view from the metadata catalog.

User response: For information about how to resolve the error, refer to the *specific-return-code* in the product

CECD0006E (0x01040006) CECD0006E The data server JCL does not include the required DD name *DD-Name*.

Explanation: The data server is configured incorrectly because a required DD statement is missing. If the DD name in the message is OLCSTAT, this might indicate that the DFSMDA generated member OLCSTAT was not found in the server STEPLIB concatenation.

User response: Modify the data server JCL and add the required DD statement, or fix the STEPLIB concatenation to include the IMS data set that contains the DFSMDA generated OLCSTAT member.

CECD0007E (0x01040007) CECD0007E The data server encountered an unexpected error accessing the *DD-name* DD statement. The error message code is *specific-return-code*, with the specific return codes (*rc1,rc2*).

Explanation: The data server encountered a problem accessing the data set associated with one of the DD statements referenced in the JCL. If the DD name is in the format */'dsname'*, the server failed to dynamically allocate and open the data set name enclosed in apostrophes

User response: For information about how to resolve the error, refer to the *specific-return-code* in the product message information. If the problem persists, contact IBM Software Support.

CECD0008E (0x01040008) CECD0008E Controlled end of replication initiated for subscription *subscription-name* because **ONSCHEMACHANGE** behavior was triggered for replication mapping *replication-object-name*.

Explanation: The source server detected a change in the definition of a database in the stream of data being captured. This change is forcing replication to end for the subscription based on the setting of the **ONSCHEMACHANGE** configuration parameter for the capture service. Replication ends after all committed data is sent to the target server and is successfully processed.

User response: See com.ibm.swg.im.iis.clz.imsr.help.doc/topics/iityitoischemachgmt.dita for instructions about how to resynchronize the source and target and skip the changes that the **ONSCHEMACHANGE** behavior triggered.

CECD0009E (0x01040009) CECD0009E Replication mapping *replication-object-name* is parked in subscription *subscription-name* because **ONSCHEMACHANGE** behavior was triggered.

Explanation: The source server detected a change in the definition of a database in the stream of data being captured. This change is forcing replication to end for the affected replication mappings based on the setting of the **ONSCHEMACHANGE** configuration parameter for the capture service.

User response: See com.ibm.swg.im.iis.clz.imsr.help.doc/topics/iityitoischemachgmt.dita for instructions about how to resynchronize the source and target and skip the changes that the **ONSCHEMACHANGE** behavior triggered.

CECD0010E (0x0104000A) CECD0010E Controlled end of replication initiated for subscription *subscription-name* because all replication mappings are parked due to **ONSCHEMACHANGE** processing.

Explanation: The source server determined that all replication mappings associated with a subscription are parked due to **ONSCHEMACHANGE** processing. Replication ends after all committed data is sent to the target server and successfully processed. Change capture also halts for the subscription and it is removed from all change streams.

User response: No action is required.

CECD0011I (0x0104000B) CECD0011I Table or view *object-owner.object-name* is successfully loaded for *subscription-name*.

Explanation: The source server successfully loaded a table or view from the metadata catalog.

User response: No action is required.

CECD0013E (0x0104000D) CECD0013E The source server could not find table or view *object-owner.object-name* in the catalog.

Explanation: The specified table or view mapping was not found in the metadata catalog. The source server cannot create the replication object or add the replication mapping to a subscription because it no longer exists in the catalog.

User response: Create the table or view mapping and alter it for change data capture, then repeat the action. If the problem persists, contact IBM Software Support.

CECD0014E (0x0104000E) CECD0014E The table or view *object-owner.object-name* is not altered for change capture.

Explanation: The source server found the specified table or view mapping in the metadata catalog, but the table or view is not altered for change capture. The source server cannot create a replication object or mapping for this table or view because the catalog object is not valid for replication.

User response: Alter the specified table or view mapping to flag it for change capture and retry the operation. If the problem persists, contact IBM Software Support.

CECD0015E (0x0104000F) CECD0015E The source server encountered an error loading table or view *object-owner.object-name* in the catalog. The error message code is *specific-return-code*, with the specific return codes (*rc1, rc2*).

Explanation: The source server encountered an error

CECD0768E (0x01040300) • CECD0773E (0x01040305)

attempting to load a table or view from the metadata catalog.

User response: For information about how to resolve the error, refer to the *specific-return-code* in the product message information. If the problem persists, contact IBM Software Support.

CECD0768E (0x01040300) CECD0768E The subscription *subscription-name* is invalid because the DBD *DBD-name* does not exist in the external library referenced by DD name *DD-name* for replication object *replication-object-name*.

Explanation: The data server could not find an IMS database definition. A replication object references this definition in the library that the *DD-name* DD statement in the data server JCL references.

User response: Ensure that the data server JCL is referencing the correct data sets and that the replication mapping references the correct IMS DBD name.

CECD0769E (0x01040301) CECD0769E The subscription *subscription-name* is invalid because the SEGM statement for *segment-name* in DBD *DBD-name* does not have the proper change-capture EXIT parameter specified for replication object *replication-object-name*. The EXIT parameter that is required is: *EXIT-specification*.

Explanation: The source server determined that an IMS segment was not augmented properly for replication purposes.

You augment the replicated database by coding an EXIT parameter in the DBD source on the SEGM statement of the segment that is identified in the error message.

User response: Change or add the EXIT parameter definition on the SEGM statement for the DBD that is identified in the error message. The *EXIT-specification* identifies the IMS data capture options that need to be in effect.

Change the DBD source, and reassemble and relink the DBD definition. Ensure that the updated DBD is included in the appropriate staging library that the data server references.

CECD0770E (0x01040302) CECD0770E The subscription *subscription-name* is invalid because not all segments are augmented with the EXIT parameter for DBD *DBD-name*.

Explanation: The source server determined that a DBD has not been properly augmented for replication purposes. All segments must be augmented to generate

data capture log records. One or more segments in the identified DBD are not augmented with the EXIT parameter.

User response: Add a valid EXIT parameter to all segments in the DBD definition. You can use the Classic Data Architect to identify the segments that are missing EXIT specifications.

Change the DBD source, and reassemble and relink the DBD definition. Ensure that the updated DBD is included in the appropriate staging library that the data server references.

CECD0771E (0x01040303) CECD0771E The subscription *subscription-name* is invalid because the source and target DBD attributes are different for DBD *DBD-name*.

Explanation: The target server detected discrepancies between the source and target definition for a DBD.

User response: The source and target definitions for a DBD must be almost identical for IMS replication to be successful. See com.ibm.swg.im.iis.clz.imsr.help.doc/topics/iyyitoidbdvalidate.dita for information about the compatibility requirements between source and target databases.

Verify that the source and target data servers are referencing the correct IMS libraries that are used for validation purposes. You can also use the Classic Data Architect to compare the source and target DBD to determine what is different between the two databases.

CECD0772E (0x01040304) CECD0772E The subscription *subscription-name* is invalid because not all DBDs are included due to logical relationships associated with DBD *DBD-name*. The following DBDs must be included: *DBD-list*

Explanation: IMS replication requires that all databases that are logically related to each other must exist in the same subscription. The source server determined that an active replication mapping that references an IMS database that participates in a logical relationship exists in a subscription. However, not all of the related databases exist in the subscription.

User response: Add the other logically related databases into the subscription and activate these new replication mappings. You can use the Classic Data Architect to identify the additional databases that you need to add.

CECD0773E (0x01040305) CECD0773E Replication cannot start for the subscription *subscription-name* because all databases that participate in a logical relationship are not active.

Explanation: IMS replication requires that all databases that are logically related to each other must exist in the same subscription and replication must be active for all of these replication mappings. The source server determined that at least one DBD with logical relationships is active, but not all of the related replication mappings are active.

User response: The Classic Data Architect (CDA) automatically activates replication for all logically related databases. Launch CDA and select one of the replication mappings identified in the list and activate replication for that replication mapping. Refer to CECD0772E messages to obtain the list of DBDs that were detected as being part of a logical relationship that need to be activated.

CECD0774E (0x01040306) CECD0774E Replication is ending for subscription *subscription-name* because a data capture log record was received that does not contain the data required for successful replication of replication mapping *replication-object-name*.

Explanation: The source server received a data capture log record that does not contain all the elements required to properly replicate the database change. This is forcing replication to end for the subscription based on the setting of the ONSCHEMACHANGE configuration parameter for the capture service. Replication ends after all committed data is sent to the target server and successfully processed.

User response: See com.ibm.swg.im.iis.clz.imsr.help.doc/topics/iityoilogread.dita for information about how to skip the data capture log records that cannot be processed.

CECD0775E (0x01040307) CECD0775E Replication mapping *replication-object-name* parked in subscription *subscription-name* because a data capture log record was received that does not contain the data required for successful replication.

Explanation: The source server received a data capture log record that does not contain all the elements required to properly replicate the database change. This is forcing the affected replication mappings to be parked based on the setting of the ONSCHEMACHANGE configuration parameter for the capture service.

User response: See com.ibm.swg.im.iis.clz.imsr.help.doc/topics/iityoilogread.dita for information about how to skip the data capture log records that cannot be processed.

CECD0776E (0x01040308) CECD0776E The subscription *subscription-name* is invalid because the DBD *DBD-name* is not eligible for replication.

Explanation: The source server detected that an index or a main storage (MSDB) database is included in a subscription. Replication is not supported for these types of IMS databases.

User response: Use the Classic Data Architect to remove the database from the subscription before attempting to start replication for the subscription.

CECD0777E (0x01040309) CECD0777E Replication mapping *replication-object-name* parked in subscription *subscription-name* because a logically related replication mapping was parked.

Explanation: This message is generated when the ONSCHEMACHANGE configuration parameter is set to park the replication mapping when a change is detected in the change capture records being received. Several different messages can be issued when the source server determines that it cannot process the changes received for a database and must stop processing changes and park the replication mapping.

This message is issued in cases when the replication mapping being parked participates in logical relationships and identifies other replication mappings that are also being parked because they are logically related. One of these messages is issued for each logical related database that is being parked due to the triggering of ONSCHEMACHANGE behavior for a logical related database.

User response: See com.ibm.swg.im.iis.clz.imsr.help.doc/topics/iityoilogread.dita for information about how to skip the data capture log records that cannot be processed.

CECD0780I (0x0104030C) CECD0780I Change in external definition detected for DBD *DBD-name*. Revalidation is being performed for replication object *replication-object-name* for subscription *subscription-name*.

Explanation: The source server detected that changes occurred in the external definition for an IMS database. The new definition will be loaded and verified to ensure that it is consistent with the previous definition.

This message is issued when replication is started for a subscription or when a Describe process is performed.

User response: No action is required.

CECD0781I (0x0104030D) CECD0781I Change in version identifier detected for DBD *DBD-name*. Revalidation is being performed for replication object *replication-object-name* for subscription *subscription-name*.

Explanation: The source server detected that the version information contained in an IMS data capture log record is different than version information that was received previously. The source server will determine if a change has occurred in the external definition. If a change occurred, the source server will revalidate that the new version is consistent with the previous definition.

User response: No action is required.

CECD0782I (0x0104030E) CECD0782I Partial data is being captured for cascade delete operations for replication object *replication-object-name* for subscription *subscription-name*.

Explanation: The source server determined that the data included in the data capture log records generated for a cascade delete is different than the information captured for normal delete operations. Minimally the data being captured and replicated includes the columns that correspond to the primary key specification for the table or view being replicated.

User response: No action is required.

The target mapping must be prepared to receive null column indicators for non-key columns for parent segments for the leaf segment that the table mapping references. These null columns are only published when a parent of the leaf segment is deleted.

CECD0783I (0x0104030F) CECD0783I DBD *DBD-name* being loaded for subscription *subscription-name* from the external library referenced by DD name *DD-name*.

Explanation: The data server is loading runtime information for a DBD that a subscription from the identified external library references.

User response: No action is required.

CECD0784E (0x01040310) CECD0784E The target server encountered an error generating the apply PSB *apply-PSB-name* for subscription *subscription-name* to data set *data-set-name*. The error message code is *specific-return-code*, with the specific return codes (*rc1,rc2*).

Explanation: The target server encountered an unexpected error when attempting to generate the apply PSB for a subscription.

User response: For information about how to resolve the error, refer to the *specific-return-code* in the product message information. If the problem persists, contact IBM Software Support.

CECD0785I (0x01040311) CECD0785I The target server has successfully generated the apply PSB *apply-PSB-name* for subscription *subscription-name* and written it to data set *data-set-name*.

Explanation: The target server successfully completed generation of an apply PSB for a subscription to the requested output data set.

User response: No action is required.

CECD0786E (0x01040312) CECD0786E The SEGM statement for *segment-name* in DBD *DBD-name* does not have the proper change-capture EXIT parameter specified for replication object *replication-object-name*. The EXIT parameter that is required is: *EXIT-specification*.

Explanation: The source server determined that an IMS segment is not augmented properly for replication purposes. You augment the segment by coding an EXIT parameter in the DBD source on the SEGM statement of the segment that is identified in the error message.

User response: Change or add the EXIT parameter definition on the SEGM statement for the DBD that is identified in the error message. The *EXIT-specification* identifies the IMS data capture options that need to be in effect.

Change the DBD source, and reassemble and relink the DBD definition. Ensure that the updated DBD is included in the appropriate staging library that the data server references.

CECD0787W (0x01040313) CECD0787W The DBD for *DBD-name* could not be found in the DBDLIB DD. Validation of EXIT options for the DEDB DBD cannot be performed and will be returned as unknown and assumed to be correct.

Explanation: The source server encountered a DEDB (Fast Path) DBD and could not load the related DBD from the DBDLIB DD. Validation of the EXIT parameters for DEDB DBDs uses the DBDLIB DBD member. When the member is not available the EXIT parameters are unknown and cannot be validated as suitable for replication.

User response: Verify that the DBDLIB DD is specified in the JCL. If the DBDLIB DD is not specified and you want the system to verify the DEDB DBD exit parameters, add the DBDLIB DD to the JCL and restart the server. If the DBDLIB DD is specified, verify that

the DBD member for the indicated *DBD-name* is in the DBDLIB.

com.ibm.swg.im.iis.clz.comm.ims.doc/topics/iityoiaugmentdbd.dita.

CECD0788E (0x01040314) CECD0788E The leaf segment *leaf-segment-name* does not exist in DBD *DBD-name* for table or view *object-owner.object-name* in subscription *subscription-name*.

Explanation: The source server could not find the leaf segment identified in the table or view mapping in the specified DBD. The DBD is not valid.

User response: Ensure that the DBD used to create the table or view mapping is the same DBD being used for replication. If the DBD was changed, you might need to recreate (drop and add) the table and view mappings to specify the correct leaf segment name for the DBD.

CECD0792E (0x01040318) CECD0792E DBD *DBD-Name* for table or view *object-owner.object-name* is invalid for replication because it is not properly augmented.

Explanation: The source server cannot add the replication object for this table or view because it references a DBD that is not valid for replication.

User response: The table or view references a DBD that cannot be added to the replication environment until the augmentation is corrected. For information about augmenting DBDs, see com.ibm.swg.im.iis.clz.comm.ims.doc/topics/iityoiaugmentdbd.dita.

CECD0789E (0x01040315) CECD0789E DBD *DBD-name* in subscription *subscription-name* is invalid for replication because it is not properly augmented.

Explanation: The source server identified a subscription that contains a DBD that is not valid for replication. The DBD does not contain the proper augmentation.

User response: The DBD cannot be added to the subscription until the augmentation is corrected.

CECD0793E (0x01040319) CECD0793E The request is invalid because it does not include all DBDs participating in a logical relationship or the request is inconsistent for logically related DBDs.

Explanation: The request must contain all DBDs that participate in the logical group because the action requires all logically related DBDs to perform the action within one request. All of the logically related DBDs must also be updated in a consistent manner.

User response: Correct the request by specifying all logically related DBDs in a consistent manner and reissue the request.

CECD0790E (0x01040316) CECD0790E DBD *DBD-name* is invalid for replication because it is not properly augmented.

Explanation: The source server cannot add the replication object for this DBD because it is not valid for replication.

User response: The DBD cannot be added to the replication environment until the augmentation is corrected. For information about augmenting DBDs, see com.ibm.swg.im.iis.clz.comm.ims.doc/topics/iityoiaugmentdbd.dita.

CECD0795E (0x0104031B) CECD0795E The *MODSTAT-or-OLCSTAT* DD does not specify either *IMSACBA* or *IMSACBB*.

Explanation: The server opened the specified DD and was not able to determine the active ACB library.

User response: Ensure that the correct data set is specified for the specified DD.

CECD0791E (0x01040317) CECD0791E DBD *DBD-Name* for table or view *object-owner.object-name* in subscription *subscription-name* is invalid for replication because it is not properly augmented.

Explanation: The source server identified a subscription that contains a table or view that references a DBD that is not valid for replication. The DBD does not contain the proper augmentation.

User response: The table or view references a DBD cannot be added to the subscription until the augmentation is corrected. For information about augmenting DBDs, see

CECD0796E (0x0104031C) CECD0796E The source server encountered an error loading DBD *DBD-name* for table or view *table-name* in subscription *subscription-name*. The error message code is *specific-return-code*, with the specific return codes (*rc1*, *rc2*).

Explanation: The server failed to load the DBD that the table or view references.

User response: Review the *specific-return-code*, *rc1* and *rc2* to diagnose the failure. Ensure that the DBD is available in the DBDLIB DD. Address the load failure by using the return codes. If the problem persists, contact IBM Software Support.

CECD0797W (0x0104031D) CECD0797W Replication mapping *replication-object-name* for database *DBD-name* in subscription *subscription-name* includes options that might prevent accurate replication.

Explanation: The source server identified that the database might not be replicated correctly. The database contains options that prevent the replication software from guaranteeing that the order of records will be the same in the source and target databases. This message is issued at the start of replication and replication continues.

User response: Review the database definition on the source system. If the database includes segments with either no sequence field or nonunique sequence fields, the SEGM statement will include the RULES= parameter or take the default of LAST (Note: DEDB databases use either FIRST or HERE as the default depending on the DBD TYPE: FIRST for sequential dependent processing, HERE for direct dependent processing).

If the insert rule for this type of segment is HERE, it is likely that replication cannot guarantee that the twins will be in the same order at the target as they are at the source. This is because the target server will not know how to position new segment instances to replicate the source order. This database is not a good candidate for

replication because order cannot be maintained and the source and target databases might not match after replication. If order must be guaranteed, review the database definition and ensure that all segments either specify a unique sequence field or include either FIRST or LAST for the insert rules.

CECD0798W (0x0104031E) CECD0798W The the source and target DBD attributes are different for DBD *DBD-name* and may cause replication to fail for subscription *subscription-name*.

Explanation: The target server detected differences between the source and target definition for a DBD but you have elected to allow replication to be proceed. Provided you are not trying to replicate source changes that are inconsistent with the target database definition then replication should be possible. If there are substantial differences between the source and target then replication is likely to fail.

User response: See com.ibm.swg.im.iis.clz.imsr.help.doc/topics/iityoidbdvalidate.dita for information about the compatibility requirements between source and target databases. You can also use the Classic Data Architect to compare the source and target DBD to determine what is different between the two databases.

General log reader service (CECL)

0x01080001 (17301505) CECL0001I The log reader service is now active.

Explanation: The log reader service completed initialization and is now ready to accept stream requests.

User response: No action is required.

0x01080002 (17301506) CECL0002E The NOTIFICATIONURL configuration parameter value: *value* is invalid.

Explanation: The required notification URL for the capture service is missing or invalid. The initialization of the log reader service ended.

User response: Specify a valid notification URL for the capture service.

0x01080003 (17301507) CECL0003W The SSIDEXCLUDELIST value: *value* is invalid and the log reader service will ignore it.

Explanation: The specified exclusion list parameter is invalid.

User response: Correct the specified value and restart the log reader service.

0x01080004 (17301508) CECL0004I The log reader service successfully connected to the capture service.

Explanation: The log reader service issues this informational message when it connects to the capture service successfully.

User response: No action is required.

0x01080005 (17301509) CECL0005W The log reader service is waiting for a connection to the Capture service.

Explanation: The log reader service issues this warning message when it is attempting to connect to a capture service. The log reader service attempts to reconnect periodically until it receives a successful response.

User response: Verify that the capture service started successfully and is active.

0x01080006 (17301510) CECL0006E The log reader service has detected an unexpected error condition. Error message code: *specific-return-code* reason codes: *return-code1* and *return-code2*.

Explanation: The log reader service has encountered

an unexpected internal error.

User response: Look up the error message and return code information for additional details.

0x01080007 (17301511) CECL0007E The log reader service received an unexpected log interface error on the stream:
stream-name **function:** *function* **return code:** *return-code*.

Explanation: The log reader service encountered an unexpected error while performing a log interface function.

User response: Lookup return code information in the documentation for details.

0x01080008 (17301512) CECL0008I The log reader service received a stream activate request for stream: *stream-name* **starting at:** *time-stamp* **log scan starting at:** *scan-time*.

Explanation: The log reader service issues this informational message when the service receives a stream activation message from the capture service for stream *stream-name*.

User response: No action is required.

0x01080009 (17301513) CECL0009I The log reader service successfully activated stream:
stream-name.

Explanation: The log reader service issues this informational message when the service successfully activates stream: *stream-name*.

User response: No action is required.

0x0108000A (17301514) CECL0010E The log reader service is unable to activate stream:
stream-name **RC:** *return-code*.

Explanation: The log reader service issues this message when the service fails to activate stream: *stream-name*.

User response: Look up the return code in the documentation and check the data server log for additional information related to this error.

0x0108000B (17301515) CECL0011I The log reader service received a stream deactivation request for stream: *stream-name*.

Explanation: The log reader service issues this informational message when the service receives a stream deactivation message from the capture service for stream: *stream-name*.

User response: No action is required.

0x0108000C (17301516) CECL0012I The log reader service successfully deactivated stream:
stream-name.

Explanation: The log reader service issues this informational message when the service successfully deactivates stream: *stream-name*.

User response: No action is required.

0x0108000D (17301517) CECL0013E The log reader service is unable to deactivate stream:
stream-name **RC:** *return-code*.

Explanation: The log reader service issues this error message when the service fails to deactivate stream: *stream-name*.

User response: Check the data server log for additional information about the error.

0x0108000E (17301518) CECL0014W The log reader service lost its connection with the capture service.

Explanation: The log reader service issues this warning message when the service loses its connection with the capture service. The log reader service stops processing primary and secondary streams and waits for the capture service to reconnect.

User response: Confirm that the capture service is active. Check the data server log for errors that the capture service generated.

0x0108000F (17301519) CECL0015I The log reader service received a message from the capture service indicating that the capture service is stopping.

Explanation: The log reader service issues this informational message when the capture service is terminating.

User response: No action is required.

0x01080010 (17301520) CECL0016E Multiple log reader services detected. Initialization of log reader service: *service-name* **terminated.**

Explanation: An attempt has been made to start a second IMS log reader service. Only one log reader service can be active at any point in time.

User response: Stop the log reader service that is currently active.

0x01080011 (17301521) CECM0017I The DBRC release recon command completed successfully.

Explanation: The log reader service issues this informational message when a RELEASE RECON completes successfully. This command is useful for releasing any holds (enqueues) when your IMS administrator reorganizes RECON data sets.

User response: No action is required.

0x01080012 (17301522) CECM0018E The DBRC release recon command failed with RC: *Return-Code*.

Explanation: The log reader service issues this informational message when a RELEASE RECON command does not complete successfully.

User response: Check the data server log for additional information about the error.

Monitoring service (CECM)

CECM0001I (0x010A0001) CECM0001I The monitor service initialization is complete.

Explanation: This is an informational message indicating that the monitor service completed initialization and is ready to accept client requests for monitoring replication.

User response: No action is required.

CECM0015I (0x010A000F) CECM0015I The status of the subscription *subscription-name* in the target server is *subscription-status*.

Explanation: This is an informational message saying that the specified subscription in the target server changed its status to *subscription-status*.

User response: No action is required.

CECM0002I (0x010A0002) CECM0002I Monitor service shutdown is complete.

Explanation: This is an informational message indicating that the monitor service completed shutdown processing and is no longer accepting client requests for monitoring replication.

User response: No action is required.

CECM0016I (0x010A0010) CECM0016I *ConnectionID* has connected to the monitoring service.

Explanation: This is an informational message indicating a connection has been established with the monitoring service. The specified connection ID will either be a user or, in the case of an Access Server used by CDC MC, the user will be set to CDCMCUSR.

User response: No action is required.

CECM0010I (0x010A000A) CECM0010I The state of the subscription *subscription-name* in the source server is *subscription-state*.

Explanation: This is an informational message indicating that the specified subscription in the source server changed its state to *subscription-state*.

User response: No action is required.

CECM0017I (0x010A0011) CECM0017I *ConnectionID* has disconnected from the monitoring service.

Explanation: This is an informational message indicating a connection to the monitoring service has disconnected. The specified connection ID will either be a user or, in the case of an Access Server used by CDC MC, the user will be set to CDCMCUSR.

User response: No action is required.

CECM0011I (0x010A000B) CECM0011I The status of the subscription *subscription-name* in the source server is *subscription-status*.

Explanation: This is an informational message saying that the specified subscription in the source server changed its status to *subscription-status*.

User response: No action is required.

CECM0018I (0x010A0012) CECM0018I Network management interface *socket-name* enabled.

Explanation: This is an informational message indicating that the monitoring service is actively listening on the network management interface AF_UNIX domain socket.

User response: No action is required.

CECM0014I (0x010A000E) CECM0014I The state of the subscription *subscription-name* in the target server is *subscription-state*.

Explanation: This is an informational message indicating that the specified subscription in the target server changed its state to *subscription-state*.

User response: No action is required.

CECM0019I (0x010A0013) CECM0019I Network management interface *socket-name* disabled.

Explanation: This is an informational message indicating that the monitoring service is no longer

listening on the network management interface AF_UNIX domain socket.

User response: No action is required.

CECM0020I (0x010A0014) CECM0020I Network management interface was not defined.

Explanation: This is an informational message indicating that the monitoring service is not listening on a network management interface AF_UNIX domain socket because it was not defined using the NMICOMMSTRING configuration parameter.

User response: If a network management interface AF_UNIX domain socket is desired, code the NMICOMMSTRING configuration parameter for the monitoring service and restart the monitoring service.

CECM0021W (0x010A0015) CECM0021W Network management interface *socket-name* was not enabled.

Explanation: This warning message indicates that the monitoring service could not enable the network management interface AF_UNIX domain socket specified by the NMICOMMSTRING configuration parameter.

User response: Look for related error messages identifying the reason why the network management interface AF_UNIX domain socket could not be enabled.

CECM0022E (0x010A0016) CECM0022E Directory *dir* could not be created. The return code is *return-code* and the reason code is *reason-code*.

Explanation: This error message indicates that the monitoring service could not create a directory on the network management interface AF_UNIX domain socket path specified by the NMICOMMSTRING configuration parameter.

User response: Use the indicated return-code and reason-code to determine the nature of the problem. Verify the userid that starts the server has read, write and execute permissions for all directories that already exist on the network management interface AF_UNIX domain socket path.

CECM0023E (0x010A0017) CECM0023E *socket-name* is not a valid NMICOMMSTRING.

Explanation: This error message indicates that the network management interface AF_UNIX domain socket specified by the NMICOMMSTRING configuration parameter is not valid.

User response: Verify that the NMICOMMSTRING configuration parameter specifies a valid AF_UNIX domain socket path and filename originating at the root

directory and is no more than 60 characters long.

CECM0024E (0x010A0018) CECM0024E Network management interface *socket-name* could not be opened. The return code is *return-code* and the reason code is *reason-code*.

Explanation: This error message indicates that the monitoring service could not open the network management interface AF_UNIX domain socket specified by the NMICOMMSTRING configuration parameter.

User response: Use the indicated return-code and reason-code to determine the nature of the problem. Verify the userid that starts the server has read, write/delete and execute permissions for all directories on the network management interface AF_UNIX domain socket path.

CECM0025E (0x010A0019) CECM0025E Network management interface *socket-name* already exists and could not be deleted. The return code is *return-code* and the reason code is *reason-code*.

Explanation: This error message indicates that the network management interface AF_UNIX domain socket specified by the NMICOMMSTRING configuration parameter already exists and could not be deleted by the monitoring service.

User response: Use the indicated return-code and reason-code to determine the nature of the problem. Verify the userid that starts the server has read, write/delete and execute permissions for all directories on the network management interface AF_UNIX domain socket path.

CECM0026I (0x010A001A) CECM0026I Apply latency thresholds cannot be associated with Classic change data capture subscriptions.

Explanation: The Classic data server does not support the display of threshold values for apply latency if the subscription is for Classic change data capture.

User response: No action is required.

CECM0050I (0x010A0032) CECM0050W A subscription matching *subscriptionName* was not found.

Explanation: This informational message is returned as a result of DISPLAY,REPL,SUBSCR command where the user specified a subscription name that could not be found on the server.

User response: Verify that the subscription name was entered correctly.

CECM0051I (0x010A0033) CECM0051I A replication object matching *roName* is not associated with any subscriptions.

Explanation: This informational message is issued in response to a DISPLAY,REPL,MAPPING command and indicates the user specified replication mapping object is not associated with any subscriptions.

User response: No action required.

CECM0052I (0x010A0034) CECM0052I Display subscription metrics report

Explanation: This multi-line informational message is issued by the monitoring service in response to a DISPLAY,REPL,SUBSCR command. It contains a report of subscription metrics.

User response: No action required.

CECM0053I (0x010A0035) CECM0053I Display subscription metrics detail report

Explanation: This multi-line informational message is issued by the monitoring service in response to a DISPLAY,REPL,SUBSCR,DETAIL command. It contains a report of subscription metrics with a detailed section for each subscription containing replication mapping metrics.

User response: No action required.

CECM0054I (0x010A0036) CECM0054I Display replication object subscriptions report

Explanation: This multi-line informational message is issued by the monitoring service in response to a DISPLAY,REPL,MAPPING command. It contains a report listing all subscriptions associated with the specified replication object.

User response: No action required.

CECM0055E (0x010A0037) CECM0055E User *userName* does not have the authority to view replication metrics

Explanation: The specified user does not have the authority to view replication metrics. This message may be issued when the user first connects to the monitoring service and on any subsequent requests for metric data.

User response: Check with the administrator who set up the SAFEXIT for the monitoring service to find out why access has been denied to this user ID.

CECM0056E (0x010A0038) CECM0056E Processing error occurred for a monitoring service request.

Explanation: An error occurred while processing a monitoring service request.

User response: Contact IBM Software Support.

CECM0057I (0x010A0039) CECM0057I Display subscription apply latency thresholds metrics report

Explanation: The monitoring service issues this multi-line informational message in response to one of the following commands:

- DISPLAY,REPL,SUBSCR,THRESHOLDS
- DISPLAY,REPL,SUBSCR,THRESHOLDS1
- DISPLAY,REPL,SUBSCR,THRESHOLDS2
- DISPLAY,REPL,SUBSCR,THRESHOLDS3

The message contains a report of the apply latency threshold metrics for a subscription.

User response: No action is required.

CECM0058I (0x010A003A) CECM0058I Display subscription metrics report

Explanation: This multi-line informational message is issued by the monitoring service in response to a DISPLAY,REPL,SUBSCR,THRESHOLDS command. It contains a report of latency threshold values associated with a subscription.

User response: No action required.

CECM0059I (0x010A003B) CECM0059I SUBSCRIPTION METRICS ACTIVITY REPORT

Explanation: This multi-line informational message is issued by the monitoring service in response to a DISPLAY,REPL,SUBSCR,ACTIVITY command. It contains a report of subscription metrics with an additional line including information about when the last UOR was sent. The additional line tells the user when the last commit was sent to the target and what the time difference is between when the last commit was sent and current time.

User response: No action required.

Administration service (CECN)

CECN0001I (0x010C0001) CECN0001I Administration service initialization is complete.

Explanation: This is an informational message indicating that the administration service completed initialization and is ready to accept client requests for administrating replication.

User response: No action is required.

CECN0002I (0x010C0002) CECN0002I Administration service shutdown is complete.

Explanation: This is an informational message indicating that the administration service completed shutdown processing and is no longer accepting client requests for administrating replication.

User response: No action is required.

CECN0005I (0x010C0005) CECN0005I Replication environment summary (source server)

Explanation: This is an informational message that the capture server issues after loading the replication runtime environment. A statistical summary follows, describing the objects that the capture server loaded.

User response: No action is required.

CECN0006I (0x010C0006) CECN0006I Replication environment summary (target server)

Explanation: This is an informational message that the apply server issues after loading the replication runtime environment. A statistical summary follows, describing the objects that the apply server loaded.

User response: No action is required.

CECN0007I (0x010C0007) CECN0007I The source server loaded *number-of-subscriptions* subscriptions.

Explanation: This is an informational message that the source server issues in a replication runtime summary to indicate the number of subscriptions that it loaded.

User response: No action is required.

CECN0008I (0x010C0008) CECN0008I Replication objects loaded: *Number-Of-Replication-Objects*

Explanation: This is an informational message that a data server issues as part of a summary of the load of the replication runtime environment to report the number of replication objects that it loaded.

User response: No action is required.

CECN0009I (0x010C0009) CECN0009I Tables and views loaded : *Number-Of-Tables-And-Views*

Explanation: This is an informational message that a capture server issues as part of a summary of the load of the replication runtime environment to report the number of tables and views that it loaded.

User response: No action is required.

CECN0010I (0x010C000a) CECN0010I Base tables loaded : *Number-Of-Base-Tables*

Explanation: This is an informational message that a capture server issues as part of a summary of the load of the replication runtime environment to report the number of base tables that it loaded.

User response: No action is required.

CECN0011I (0x010C000b) CECN0011I Database types loaded : *Number-Of-Databases-Types*

Explanation: This is an informational message that a capture server issues as part of a summary of the load of the replication runtime environment to report the number of database types that it loaded.

User response: No action is required.

CECN0012I (0x010C000C) CECN0012I The source server loaded the subscription *subscription-name* into the source server environment.

Explanation: This is an informational message indicating that the source server loaded the specified subscription into the source runtime environment.

User response: No action is required.

CECN0013I (0x010C000D) CECN0013I The source server loaded the replication object *Replication-Object-Name* into the runtime environment.

Explanation: This is an informational message indicating that the source server loaded a replication object into its runtime environment.

User response: No action is required.

CECN0014I (0x010C000E) CECN0014I The target server loaded the subscription *subscription-name* into the target server environment.

Explanation: This is an informational message indicating that the target server loaded the specified subscription into the target runtime environment.

CECN0015I (0x010C000F) • CECN0027E (0x010C001B)

User response: No action is required.

CECN0015I (0x010C000F) The target server loaded the replication object
Replication-Object-Name into the runtime environment.

Explanation: This is an informational message indicating that the target server loaded a replication object into its runtime environment.

User response: No action is required.

CECN0016E (0x010C0010) CECN0016E The subscription *subscription-name* **already exists.**

Explanation: A request to create a subscription failed because the specified subscription already exists in the runtime environment.

User response: Delete the subscription and recreate it, or modify it to have the desired attributes.

CECN0017W (0x010C0011) CECN0017W The database description (DBD) *replication-object-name* **already exists.**

Explanation: A request to create a replication object that is based on a DBD failed because a replication object with the specified name already exists in the runtime environment. This request might occur to ensure that the replication object exists, and might not indicate a problem.

User response: If the request occurred to ensure that the replication object exists then no action is required. If the request occurred to create a new replication object with different attributes, perform one of the following actions instead:

- Delete the replication object and recreate it.
- Modify the existing replication object to have the desired attributes.

CECN0018E (0x010C0012) CECN0018E The table or view *replication-object-name* **already exists.**

Explanation: A request to create a replication object that is based on a table or view failed because a replication object with the specified name already exists in the runtime environment.

User response: Delete the replication object and recreate it or modify it to have the desired attributes.

CECN0019E (0x010C0013) CECN0019E The server failed to persist the database description (DBD) *replication-object-name*.

Explanation: The server was not able to persist a replication object to the metadata store. The replication object is based on a DBD.

User response: Action: Contact IBM Software Support.

CECN0020E (0x010C0014) CECN0020E The server failed to persist the table or view *replication-object-name*.

Explanation: The server was not able to persist a replication object to the metadata store. The replication object is based on a table or view.

User response: Contact IBM Software Support.

CECN0022E (0x010C0016) CECN0022E The server failed to load the table or view *replication-object-name*.

Explanation: The server was unable to load a replication object that is based on a table or view.

User response: Contact IBM Software Support.

CECN0023E (0x010C0017) CECN0023E The server failed to extract the field *field-name* **from the request.**

Explanation: The administration could not extract a field from a request. The request might be malformed.

User response: Contact IBM Software Support.

CECN0024E (0x010C0018) CECN0024E The server failed to skip the field *field-name* **in the request.**

Explanation: The server could not skip a field in a request. The request might be malformed.

User response: Contact IBM Software Support.

CECN0025E (0x010C0019) CECN0025E The value of field *field-name* **in the request is not valid.**

Explanation: The server detected an invalid value in a request. The request might be malformed.

User response: Contact IBM Software Support.

CECN0026E (0x010C001A) CECN0026E The server failed to persist the subscription *subscription-name*.

Explanation: The server was not able to persist the specified subscription.

User response: Contact IBM Software Support.

CECN0027E (0x010C001B) CECN0027E The server failed to load the subscription *subscription-name*.

Explanation: The server was not able to load the specified subscription.

User response: Contact IBM Software Support.

CECN0028E (0x010C001C) CECN0028E The server could not find a subscription in the runtime environment.

Explanation: This is an internal error. The server could not find a subscription in the runtime environment on the source server.

User response: Contact IBM Software Support.

CECN0029E (0x010C001D) CECN0029E You cannot perform this action on the subscription *subscription-name* because the subscription type is not supported.

Explanation: The server detected an attempt to configure a subscription in a way that is inconsistent with the subscription type, for example, configuring an IMS subscription for VSAM replication.

User response: Ensure that the specified subscription is valid for the request and retry the operation. If necessary, recreate the subscription by using the New Subscription wizard in the Classic Data Architect.

CECN0030E (0x010C001E) CECN0030E You cannot perform this action on the subscription *subscription-name* because the user *user-name* is updating this subscription.

Explanation: The server detected an attempt to modify a subscription while another user was modifying it.

User response: Retry the operation.

CECN0031E (0x010C001F) CECN0031E You cannot perform this action on the subscription *subscription-name* because it is replicating.

Explanation: The server detected an attempt to modify a subscription while it was actively replicating.

User response: Stop replication and retry the operation.

CECN0032E (0x010C0020) CECN0032E The server could not find the specified replication object in the runtime environment.

Explanation: The server was unable to find a replication object.

User response: Confirm whether the replication object exists. If the replication object does not exist, create it and retry the operation.

CECN0033E (0x010C0021) CECN0033E You cannot perform this action on the replication object *replication-object-name* because it is not a database description (DBD).

Explanation: The server detected an attempt to configure a replication object in a way that is only supported for DBDs, and this replication object is not based on a DBD.

User response: Ensure that the specified replication object is based on a DBD and retry the operation.

CECN0034E (0x010C0022) CECN0034E You cannot perform this action on the replication object *replication-object-name* because it is not a table or view.

Explanation: The server detected an attempt to modify or work with a replication object in a way that is only supported for tables or views, and this replication object is not based on a table or view.

User response: Ensure that the specified replication object is based on a table or view and retry the operation.

CECN0035E (0x010C0023) CECN0035E You cannot add this replication mapping to the subscription *subscription-name* because it already exists.

Explanation: The server was unable to add a replication mapping to a subscription because the replication mapping already exists.

User response: Delete the replication mapping and retry the operation or modify the existing replication mapping to have the desired attributes.

CECN0036E (0x010C0024) CECN0036E The server failed to persist a replication mapping.

Explanation: The server was unable to persist a replication mapping.

User response: Contact IBM Software Support.

CECN0037E (0x010C0025) CECN0037E The server failed to load a replication mapping.

Explanation: The server was unable to load a replication mapping.

User response: Contact IBM Software Support.

CECN0038E (0x010C0026) CECN0038E You cannot update the attribute *attribute-name* of the subscription *subscription-name*.

Explanation: The server detected an attempt to modify an attribute for a subscription that you cannot update.

CECN0039E (0x010C0027) • CECN0048E (0x010C0030)

User response: Delete the subscription and recreate it with the desired attributes.

CECN0039E (0x010C0027) CECN0039E You cannot mix different types of replication objects in a single request.

Explanation: While processing a request to add multiple replication objects, the source server encountered objects of different types, for example, DBD names and data set names. A single request to add multiple replication objects can contain replication objects of only one type.

User response: Revise the request so that the replication objects are all of the same type.

CECN0040E (0x010C0028) CECN0040E A VSAM data set with the name *vsam-data-set-name* does not exist.

Explanation: A request to add a replication object has been made for a VSAM data set that does not exist.

User response: Repeat the request and specify the name of an existing VSAM data set.

CECN0041E (0x010C0029) CECN0041E You cannot delete the specified replication object because it is part of a subscription.

Explanation: You cannot delete a replication object if any subscriptions still reference it.

User response: Remove the replication object from all subscriptions that reference it and retry the operation.

CECN0042E (0x010C002A) CECN0042E The subscription *subscription-name* cannot replicate objects that reference database descriptions (DBDs).

Explanation: The specified subscription cannot replicate DBDs.

User response: Remove all replication objects that reference DBDs from the subscription and retry the operation, or create a new subscription that is valid for IMS replication.

CECN0043E (0x010C002B) CECN0043E The subscription *subscription-name* cannot replicate objects that reference tables or views.

Explanation: The specified subscription cannot replicate tables or views.

User response: Remove all replication objects from the subscription that reference tables or views and retry the operation. Alternatively, create a new subscription that is valid for Classic change-data capture.

CECN0044E (0x010C002C) CECN0044E You cannot add this replication object to the subscription *subscription-name* more than once.

Explanation: The specified subscription already references this replication object.

User response: Remove the replication object from the subscription and retry the operation or add it to a different subscription.

CECN0045E (0x010C002D) CECN0045E You cannot perform this action while the subscription *subscription-name* is describing.

Explanation: You cannot modify a subscription while it is actively describing.

User response: Wait for the Describe process to complete and retry the operation.

CECN0046E (0x010C002E) CECN0046E You cannot update the specified replication object at this time because another subscription is replicating it.

Explanation: You cannot modify a replication object while any subscription is processing it.

User response: Stop replication for all subscriptions that are processing this replication object and retry the operation.

CECN0047E (0x010C002F) CECN0047E The server could not find the subscription *subscription-source-system-id* in the target runtime environment.

Explanation: The server was not able to find a subscription in the target runtime environment. The *subscription-source-system-id* is typically the first 8 bytes of subscription name on the source server, but this is not a requirement.

User response: Confirm that the subscription exists. If not, create the subscription and retry the operation.

CECN0048E (0x010C0030) CECN0048E The server cannot start replication for the subscription *subscription-name* because this subscription is already replicating.

Explanation: You cannot start replication for a subscription while it is actively replicating.

User response: Ensure that the correct subscription is specified.

CECN0049E (0x010C0031) CECN0049E The server cannot stop replication for the subscription *subscription-name* because this subscription is not replicating.

Explanation: You cannot stop replication for a subscription that it is not actively replicating.

User response: Ensure that the correct subscription is specified.

CECN0050E (0x010C0032) CECN0050E The server could not find a requested replication mapping in the runtime environment.

Explanation: The server was unable to find a replication mapping.

User response: Confirm that the replication mapping exists. If not, create the replication mapping and retry the operation.

CECN0051E (0x010C0033) CECN0051E The server cannot update this replication mapping because it is being replicated by the subscription *subscription-name*.

Explanation: You cannot modify a replication mapping while its subscription is replicating.

User response: Stop replication for the specified subscription and retry the operation.

CECN0052E (0x010C0034) CECN0052E Internal service error: *error-indicator-name*.

Explanation: The server detected an internal error.

User response: Look for preceding error messages that may indicate how to overcome this error. Otherwise contact IBM Software Support.

CECN0053E (0x010C0035) CECN0053E The server cannot establish a connection to the metadata.

Explanation: The server detected an out-of-order request.

User response: Contact IBM Software Support.

CECN0054E (0x010C0036) CECN0054E The software could not initialize the runtime environment.

Explanation: The administration service could not fulfill the request because the software could not initialize the runtime environment.

User response: If this is a source data server, ensure that a capture service is configured. If this is a target data server, ensure that an apply service is configured.

CECN0055E (0x010C0037) CECN0055E The server received a request out of order.

Explanation: The server detected an out-of-order request.

User response: Contact IBM Software Support.

CECN0056E (0x010C0038) CECN0056E The user *user-id* does not have the authority to modify subscriptions.

Explanation: The specified user ID does not have the authority to modify subscriptions.

User response: Grant the specified user ID the required authority and retry the operation.

CECN0057E (0x010C0039) CECN0057E The user *user-id* does not have the authority to create subscriptions.

Explanation: The specified user ID does not have the authority to create subscriptions.

User response: Grant the specified user ID the required authority and retry the operation.

CECN0058E (0x010C003A) CECN0058E The user *user-id* does not have the authority to delete subscriptions.

Explanation: The specified user does not have the authority to delete subscriptions.

User response: Grant the specified user the required authority and retry the operation.

CECN0059E (0x010C003B) CECN0059E The user *user-id* does not have the authority to start replication for subscriptions.

Explanation: The specified user ID does not have the authority to start replication for subscriptions.

User response: Grant the specified user ID the required authority and retry the operation.

CECN0060E (0x010C003C) CECN0060E The user *user-id* does not have the authority to stop replication for subscriptions.

Explanation: The specified user ID does not have the authority to stop replication for subscriptions.

User response: Grant the specified user ID the required authority and retry the operation.

CECN0061E (0x010C003D) CECN0061E The user *user-id* does not have the authority to generate an apply PSB.

Explanation: The specified user ID does not have the authority to generate a program specification block for apply processing (apply PSB).

User response: Grant the specified user ID the required authority and retry the operation.

CECN0062E (0x010C003E) CECN0062E The user *user-id* does not have the authority to write to the data set *data-set-name*.

Explanation: The specified user ID does not have the authority to write to the specified data set.

User response: Grant the specified user ID the required authority and retry the operation.

CECN0063E (0x010C003F) CECN0063E The server failed to write the apply PSB to the data set *data-set-name*.

Explanation: The server was unable to write a program specification block for apply processing (apply PSB) to the specified data set.

User response: Contact IBM Software Support.

CECN0064E (0x010C0040) CECN0064E The user *user-id* does not have the authority to issue operator commands.

Explanation: The specified user ID does not have the authority to issue operator commands.

User response: Grant the specified user ID the required authority and retry the operation.

CECN0065I (0x010C0041) CECN0065I The user *user-id* connected to the data server.

Explanation: The specified user connected to the data server.

User response: No action is required.

CECN0066I (0x010C0042) CECN0066I The user *user-id* disconnected from the data server.

Explanation: The specified user disconnected from the data server.

User response: No action is required.

CECN0067I (0x010C0043) CECN0067I The user *user-id* added the replication object *replication-object-name* to the subscription *subscription-name*.

Explanation: The specified user added the specified

replication object to the specified subscription.

User response: No action is required.

CECN0068I (0x010C0044) CECN0068I The user *user-id* removed the replication object *replication-object-name* from the subscription *subscription-name*.

Explanation: The specified user removed the specified replication object from the specified subscription.

User response: No action is required.

CECN0069I (0x010C0045) CECN0069I The user *user-id* started replication for the subscription *subscription-name*.

Explanation: The specified user started replication for the specified subscription.

User response: No action is required.

CECN0070I (0x010C0046) CECN0070I The user *user-id* stopped replication for the subscription *subscription-name*.

Explanation: The specified user stopped replication for the specified subscription.

User response: No action is required.

CECN0071I (0x010C0047) CECN0071I The user *user-id* set the status of the replication object *replication-object-name* in the subscription *subscription-name* to *new-status*.

Explanation: The specified user set the specified replication object to the new status.

User response: No action is required.

CECN0072I (0x010C0048) CECN0072I The user *user-id* deleted the subscription *subscription-name*.

Explanation: The specified user deleted the specified subscription.

User response: No action is required.

CECN0073I (0x010C0049) CECN0073I The user *user-id* generated the apply PSB *apply-psb-name* for the subscription *subscription-name* in the data set *data-set-name*.

Explanation: The specified user generated the specified apply PSB for the specified subscription.

User response: No action is required.

CECN0074I (0x010C004A) CECN0074I The user *user-id* issued the operator command *command*.

Explanation: The specified user issued the specified operator command.

User response: No action is required.

CECN0075I (0x010C004B) CECN0075I The user *user-id* started a Describe process for the subscription *subscription-name*.

Explanation: The specified user started a Describe process for the specified subscription.

User response: No action is required.

CECN0076E (0x010C004C) CECN0076E The load failed for the subscription *subscription-name*. The software unloaded the subscription from the runtime environment for the source server.

Explanation: The source server was unable to load the subscription *subscription-name* into the runtime environment. The error might indicate a problem with one of the replication mappings in the subscription. The source server unloaded any replication mappings that loaded successfully and will not replicate this subscription.

User response: Review the event and trace logs for additional information about why the load failed. Correct the problem and restart the data server.

CECN0077I (0x010C004D) CECN0077I The command *input-command* does not apply to the subscription *subscription-name* and the server will not process the command against this subscription.

Explanation: The specified command was issued against multiple subscriptions. The type of the specified subscription is not consistent with this command, so command processing skipped this subscription. Processing continues for other subscriptions.

User response: No action is required.

CECN0078I (0x010C004E) CECN0078I The user *user-id* set the replication method to *new-method* for the replication mapping *replication-mapping-name* in the subscription *subscription-name*.

Explanation: The specified user changed the replication method for the specified replication mapping.

User response: No action is required.

CECN0079I (0x010C004F) CECN0079I The user *user-id* created the subscription *subscription-name*.

Explanation: The specified user created the specified subscription.

User response: No action is required.

CECN0080I (0x010C0050) CECN0080I The user *user-id* modified the subscription *subscription-name*.

Explanation: The specified user modified the specified subscription.

User response: No action is required.

CECN0081I (0x010C0051) CECN0081I The user *user-id* defined the replication object *replication-object-name* to the data server.

Explanation: The specified user defined the specified replication object to the data server.

User response: No action is required.

CECN0082E (0x010C0052) CECN0082E You cannot perform this action because the subscription *subscription-name* is not valid for change-data capture.

Explanation: The server detected an attempt to configure a subscription in a way that is only supported for change-data capture, and the subscription is not valid for change-data capture.

User response: Ensure that the specified subscription is valid for change-data capture and retry the operation. You might have to recreate the subscription by using the Management Console.

CECN0083I (0x010C0053) CECN0083I The user *user-id* set the log position to *log-position* for the replication object *replication-object-name* in the subscription *subscription-name*.

Explanation: The specified user set the specified log position for the specified replication object.

User response: No action is required.

CECN0084I (0x010C0054) CECN0084I The software could not load the replication environment because the data server could not find the CEC SUB DD.

Explanation: The data server was unable to locate a required data set that contains metadata for subscriptions.

User response: Correct the job control language (JCL)

CECN0085I (0x010C0055) • CECN0094I (0x010C005E)

for the data server to specify the required CECSUB DD and restart the data server.

CECN0085I (0x010C0055) CECN0085I The software could not load the replication environment because the data server could not find the CECRM DD.

Explanation: The data server was unable to locate a required data set that contains metadata for replication mappings.

User response: Correct the job control language (JCL) for the data server to specify the required CECRM DD and restart the data server.

CECN0086I (0x010C0056) CECN0086I The software could not load the replication environment because the data server was unable to obtain exclusive control of the CECSUB DD.

Explanation: The data server was unable to reserve a required data set that contains metadata for subscriptions.

User response: Correct the CECSUB DD statement in the job control language (JCL) for the data server to specify a data set that is not already in use and restart the data server.

CECN0087I (0x010C0057) CECN0087I The software could not load the replication environment because the data server was unable to obtain exclusive control of the CECRM DD.

Explanation: The data server was unable to reserve a required data set that contains metadata for replication mappings.

User response: Correct the CECRM DD statement in the job control language (JCL) for the data server to specify a data set that is not already in use and restart the data server.

CECN0088I (0x010C0058) CECN0088I The data server was unable to release exclusive control of the CECSUB DD.

Explanation: The data server was unable to release its exclusive hold on a data set that contains metadata for subscriptions. This error occurs during server shutdown.

User response: The software will release control of the data set when the address space stops. If the problem persists, contact IBM Software Support.

CECN0089I (0x010C0059) CECN0089I The data server was unable to release exclusive control of the CECRM DD.

Explanation: The data server was unable to release its exclusive hold on a data set that contains metadata for replication mappings. This error occurs during server shutdown.

User response: The software will release control of the data set when the address space stops. If the problem persists, contact IBM Software Support.

CECN0090I (0x010C005A) CECN0090I The user *user-id* is still connected. The service will not stop until all users disconnect or until you request an IMMEDIATE stop.

Explanation: The specified user requested a CONTROLLED stop of the service and users are still connected.

User response: Wait for all connected users to disconnect or request an IMMEDIATE stop.

CECN0091I (0x010C005B) CECN0091I The source server unloaded the subscription *subscription-name* from the runtime environment.

Explanation: This is an informational message.

User response: No action is required.

CECN0092E (0x010C005C) CECN0092E The source server unloaded the replication object *replication-object-name* from the runtime environment.

Explanation: This is an informational message.

User response: No action is required.

CECN0093I (0x010C005D) CECN0093I The target server unloaded the subscription *subscription-name* from the runtime environment.

Explanation: This is an informational message.

User response: No action is required.

CECN0094I (0x010C005E) CECN0094I The target server unloaded the replication object *replication-object-name* from the runtime environment.

Explanation: This is an informational message.

User response: No action is required.

CECN0095I (0x010C005F) CECN0095I The user *user-id* requested a **CONTROLLED** stop of replication for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECN0096I (0x010C0060) CECN0096I The user *user-id* requested an **IMMEDIATE** stop of replication for the subscription *subscription-name*.

Explanation: This is an informational message.

User response: No action is required.

CECN0097I (0x010c0061) CECN0097I The user *userid* requested a stop of **CAPTURE** for the subscription *subscriptionname*.

Explanation: The identified user has requested that CAPTURE be stopped for the identified subscription.

User response: No action required.

CECN0099I (0x010C0063) CECN0099I The user *user-id* set the bookmark to *restart-time* for the subscription *subscription-name*.

Explanation: The specified user set a bookmark for the specified subscription.

User response: No action is required.

CECN0100E (0x010C0064) CECN0100E The server encountered an error at offset *offset* while setting the bookmark to *restart-time* for the subscription *subscription-name* as requested by *user-id*. The bookmark specified did not follow the format **YYYY-MM-DD-hh.mm.ss.thmiju** or specified an invalid value at the error offset. The error detected was: *error-string*.

Explanation: An error prevented the server from setting the bookmark as the user requested. The specific problem is identified by the *error-string* and is one of the following:

- The bookmark must be specified to at least the second (ss)
- An unexpected character was found in the bookmark at the specified offset (zero-based)
- The year value is not within the supported range of 1900 through 2042
- The month value is not within the supported range of 01 through 12
- The day is not valid for the specified month

- The hour value is not within the supported range of 00 through 23
- The minute value is not within the supported range of 00 through 59
- The second value is not within the supported range of 00 through 59
- The microseconds value is not within the supported range of 000000 through 999999
- Unknown

User response: Use the information in the error message to correct the command and re-issue the request to set the bookmark.

CECN0101E (0x010C0065) CECN0101E The **subscription** *subscription-name* does not exist.

Explanation: The subscription name specified in the command does not exist.

User response: Correct the command and re-issue the request.

CECN0102I (0x010C0066) CECN0102I The user *user-id* turned on persistency for the **subscription** *subscription-name*.

Explanation: The specified user enabled the persistency attribute for the specified subscription. The subscription is now eligible for persistency processing.

User response: No action is required.

CECN0103E (0x010C0067) CECN0103I The user *user-id* turned off persistency for the **subscription** *subscription-name*.

Explanation: The specified user disabled the persistency attribute for the specified subscription. The subscription is no longer eligible for persistency processing.

User response: No action is required.

CECN0104E (0x010C0068) CECN0104E The data server encountered an error while setting persistency for the subscription *subscription-name* at the request of the user *user-id*.

Explanation: The data server was unable to set the persistency attribute for the specified subscription as the user requested.

User response: Correct the command and re-issue the request.

CECN0105I (0x010C0069) CECN0105I Clear event log for *agent-type* subscription *subscription-name* is set as date: *oldest-date* time: *oldest-time*

Explanation: The subscription's event messages were cleared.

User response: Note.

CECN0106E (0x010C006A) CECN0106E The agent type specified is not source/publisher or target/subscriber.

Explanation: The agent type specified is not either source/publisher or target/subscriber.

User response: Specify the value of 0 for source/publisher or specify the value of 1 for target/subscriber.

CECN0107E (0x010C006B) CECN0107E The date time specified is invalid.

Explanation: The date and time values specified are invalid.

User response: Specify the date value as YYYYMMDD where YYYY is the year value, MM is a month value and DD is a day value. Specify the time as HHMMSS where HH is an hour value, MM is a minute value and SS is a second value.

CECN0108E (0x010C006C) CECN0108E No event messages can be returned.

Explanation: No event messages can be returned because no event log was defined to the Logger service.

User response: Configure an EVENTLOG log name to the Logger service.

CECN0109E (0x010C006D) CECN0109E The event message read request can not complete for subscription *subscription-name*

Explanation: The client closed its session with the PAA while a event message read request was processing so no event message will be returned.

User response: None.

CECN0110E (0x010C006E) CECN0110E The Subscription Name was not specified

Explanation: Reading a subscription's event messages requires a subscription name. Reading general event messages requires a subscription name of "*General".

User response: Specify a subscription name and retry the operation

CECN0111E (0x010C006F) CECN0111I The clear event log event message was issued.

Explanation: This is an informational message.

User response: No action is required.

CECN0112E (0x010C0070) CECN0112E The data server encountered an error while attempting to start the subscription *subscription-name* with the modifier *modifier* as requested by *user-id*.

Explanation: An error prevented the data server from starting the subscription as the specified user requested.

User response: Correct the command and re-issue the request to start the subscription.

CECN0113E (0x010C0071) CECN0113E The data server encountered an error while attempting to start all subscriptions with the modifier *modifier* as requested by *user-id*.

Explanation: An error prevented the data server from starting the subscriptions as the specified user requested.

User response: Correct the command and re-issue the request to start the subscriptions.

CECN0114E (0x010C0072) CECN0114E The data server encountered an error while attempting to stop the subscription *subscription-name* with the modifier *modifier* as requested by *user-id*.

Explanation: An error prevented the data server from stopping the subscription as the specified user requested.

User response: Correct the command and re-issue the request to stop the subscription.

CECN0115E (0x010C0073) CECN0115E The data server encountered an error while attempting to stop all subscriptions with the modifier *modifier* as requested by *user-id*.

Explanation: An error prevented the data server from stopping the subscriptions as the specified user requested.

User response: Correct the command and re-issue the request to stop the subscriptions.

CECN0116E (0x010C0074) CECN0116E The data server encountered an error while attempting to process the SET command as requested by *user-id*.

Explanation: An error prevented the data server from processing the SET REPL command as the specified user requested.

User response: Correct the command and re-issue the SET REPL command.

CECN0117I (0x010C0075) CECN0117I The target server loaded *number-of-subscriptions* subscriptions.

Explanation: This is an informational message that the target server issues in a replication runtime summary to indicate the number of subscriptions that it loaded.

User response: No action is required.

CECN0118I (0x010C0076) CECN0118I The server processed a SET_LOCALE message which specified an unsupported locale: "*locale*".

Explanation: This is a warning message that the server defaults to the locale of "en_US" when an unsupported locale value is specified.

User response: Specify the locale value of that which the server supports.

CECN0119E (0x010C0077) CECN0119E The flag specified is not correct.

Explanation: The flag specified is not 0, 1 or 2.

User response: Specify the value as one of 0, 1 or 2. The value of 0 specifies that the read is relative to the current event log read pointer. The value of 1 specifies that the read is from the top of the event log. The value of 2 specifies that the read is from the bottom of the event log.

CECN0120E (0x010C0078) CECN0120E You cannot add this replication mapping to the subscription *subscription-name* because the maximum number of replication mappings already exist.

Explanation: The server was unable to add a replication mapping to a subscription because the replication mapping already has reached its limit of replication mappings.

User response: Delete unused replication mappings and retry the operation or create another subscription for the additional replication mappings.

CECN0121E (0x010C0079) CECN0121E The server rejected an administration message from an agent due to inadequate user authority. User ID: *user-id*. User's authority: *users-auth*. Required authority: *required-auth*.

Explanation: The administration message that the server rejected requires that the specified user ID has a higher level of authority to the resource class for the administration service.

User response: Grant the user ID that accessed the data server the required authority to the SERVAUTH resource class and retry the action.

CECN0122E (0x010C007a) CECN0122E The server rejected an administration message from an agent due to inadequate user access. User ID: *userid*. Required access: *required-access*. Object type: *object-type*. Object name: *object-name*.

Explanation: The administration message that the server rejected requires that the specified user ID has the required access.

User response: Grant the user ID the requested access to the object and retry the action.

CECN0123E (0x010C007B) CECN0123E The server processed a database connect message that specified an unauthorized user ID: *userid*.

Explanation: The server requires a user ID with at least READ authority for the resource class for the administration service.

User response: Grant the user ID that accesses the data server at least READ authority to the SERVAUTH resource class and retry the action.

CECN0124E (0x010C007C) CECN0124E The source Refresh Constraint *where-clause* for table *schema-name.table-name* is not valid. The SQLCODE is *sqlcode*.

Explanation: The source WHERE clause could not be verified for a refresh with constraints.

User response: Look up the SQLCODE for further steps to solve the issue and correct the where clause if applicable. Note that the input field only takes the list of conditions without the actual WHERE keyword (e.g. a valid WHERE clause could be: COL1 = 'A').

CECN0125E (0x010C007D) CECN0125E The source Refresh Constraint *where-clause* for table *schema-name.table-name* could not be verified because an error occurred. The error code is *specific-return-code*, with

reason codes (RC1,RC2).

Explanation: The source WHERE clause could not be verified for a refresh with constraints because an error occurred.

User response: For instructions on how to resolve the error, look up the *specific-return-code* in the product message documentation.

CECN0126W (0x010C007E) CECN0126W The subscription *subscription-name* does not support parallel apply because it contains replication mappings that require serial apply. The subscription is updated to use serial apply.

Explanation: The server detected that the subscription contains replication mappings that are not valid for parallel apply. The server set the subscription to use serial apply.

User response: If the subscription should use parallel apply, review all of the replication mappings in the subscription to understand why parallel apply was not allowed. If the subscription can use serial apply no action is required.

CECN0127E (0x010C007F) CECN0127E You cannot add a replication mapping for the object *obj-name* to the subscription *subscription-name1* because subscription *subscription-name2* already has a replication mapping for this object and both subscriptions specify target URL *target-URL*.

Explanation: The attempt to add a replication mapping for the object failed because another subscription in the source server already contains the object. A source server cannot contain multiple subscriptions that replicate the same object to the same target server to prevent replication errors.

User response: Verify whether the replication mapping for the object is active in the other subscription. If the object is parked, either activate it and replicate the object in *subscription-name2* or delete the existing replication mapping and retry the operation to add the object to *subscription-name1* again.

CECN0128E (0x010C0080) CECN0128E The subscription name provided in the request exceeds the maximum allowable length.

Explanation: The administration service received a request with a subscription name that the service could not convert because the subscription name exceeded the target buffer size.

User response: Examine the request and ensure that

the subscription name does not exceed the maximum allowable length.

CECN0129E (0x010C0081) CECN0129E The name of the database description (DBD) in the request exceeds the maximum allowable length.

Explanation: The administration service received a request with a DBD name that the service could not convert because the DBD name exceeded the target buffer size.

User response: Examine the request and ensure the DBD name does not exceed the maximum allowable length.

CECN0130I (0x010C0082) CECN0130I The server set the capture cache size to *cache-size* for the subscription *subscription*.

Explanation: You updated the capture cache size to the specified value for the specified subscription.

User response: No action is required.

CECN0131E (0x010C0083) CECN0131E The capture cache size *cache-size* is out of the acceptable range for the subscription *subscription*.

Explanation: The server was unable to set the capture cache size that you requested for the specified subscription.

User response: Correct the value and resubmit the command.

CECN0132I (0x010C0084) CECN0132I The server set the apply cache size to *cache-size* for the subscription *subscription*.

Explanation: The target server updated the apply cache size to the value that you requested for the specified subscription.

User response: No action is required.

CECN0133E (0x010C0085) CECN0133E The apply cache size *cache-size* is out of the acceptable range for subscription *subscription*.

Explanation: The server was not able to set the apply cache size to the value that you requested for the specified subscription.

User response: Correct the value and resubmit the command.

CECN0134I (0x010C0086) CECN0134I You set the status for the replication mapping *replication-mapping* to status in the subscription *subscription*.

Explanation: The server successfully set the status for the specified replication mapping in the specified subscription.

User response: No action is required.

CECN0135E (0x010C0087) CECN0135E The server could not set the status of the replication mapping *replication-mapping* to status in the subscription *subscription*.

Explanation: The server was not able to set the status for the specified object in the specified subscription.

User response: Correct the values in the command and resubmit the command.

CECN0136E (0x010C0088) CECN0136E The target server found the apply PSB *apply-psb* in the subscription *subscription-name-1*. You cannot use this apply PSB again for the subscription *subscription-name-2*.

Explanation: The subscription *subscription-name-1* is already using the specified apply PSB, and the subscription *subscription-name-2* cannot use it.

User response: The apply PSB name must be unique for all subscriptions in the target server. Specify a unique apply PSB name and retry the action.

CECN0137E (0x010C0089) CECN0137E SAF exit activation error: *error-indicator-name*.

Explanation: The server attempted to activate the SAF exit but detected a SAF error. Review the server messages for messages describing the problem.

User response: Specify a correctly defined SAF exit, user ID or password.

CECN0138E (0x010C008A) CECN0138E The source server found the source system ID *source-system-ID* in the subscription *subscription-name-1*. You cannot use this source system ID for the subscription *subscription-name-2*.

Explanation: The subscription *subscription-name-1* is already using the specified source system ID, and the subscription *subscription-name-2* cannot use it.

User response: The source system ID name must be unique for all subscriptions in the source server. Specify a unique source system ID name and retry the action.

CECN0139I (0x010c008b) CECN0139I Capture processing was successfully ended for the subscription *subscription-name*.

Explanation: The Capture Service has successfully ended capture processing for the identified subscription.

User response: No action required.

CECN0140I (0x010c008c) CECN0140I Capture processing was not active for the subscription *subscription-name*.

Explanation: The Capture Service received a request to end capture processing for the identified subscription, but capture processing was not active for the identified subscription.

User response: No action required.

CECN0141E (0x010c008d) CECN0141E The data server encountered an error while attempting to stop capture for the subscription *subscription-name*.

Explanation: The Capture Service encountered an error in ending capture processing for the identified subscription.

User response: Review console messages and trace messages for information regarding the specific error encountered. Respond according to the error encountered.

CECN0142I (0x010C008e) CECN0142I The user *user-id* set *threshold-name* to *time-value* for the subscription *subscription-name*.

Explanation: The specified user set a latency threshold or time value for the specified subscription.

User response: No action is required.

CECN0143E(0x010C008f) CECN0143E The Classic data server encountered an error at offset *offset* while setting *threshold-name* to *time-value* for the subscription *subscription-name* as requested by *user-id*. The latency threshold or time value specified did not follow the format required or specified an invalid value at the error offset. The error detected was: *error-string*.

Explanation: An error prevented the Classic data server from setting the latency threshold or time value as the user requested. The *error-string* and is one of the following problems:

- An unexpected character was found in the latency threshold or time value at the specified offset (zero-based)

CECN0144I (0x010C0090) • CECN0151W (0x010C0097)

- The time value unit is not within the supported range of 0 through 65535
- The time value type is not within the supported value of M (minutes), S (seconds) or MS (milliseconds)
- Unknown

User response: Use the information in the error message to correct the command and re-issue the request to set the latency threshold value.

CECN0144I (0x010C0090) CECN0144I The server migrated *number-of-subscriptions* subscriptions.

Explanation: This is an informational message that the Classic data server issues in a replication runtime summary to indicate the number of subscriptions that were migrated.

User response: No action is required.

CECN0145I (0x010c0091) CECN0145I Capture processing successfully updated subscription *subscription-name*.

Explanation: The capture service successfully updated the identified subscription.

User response: No action is required.

CECN0146E (0x010c0092) CECN0146E The Classic data server encountered an error while updating the subscription *subscription-name*.

Explanation: The capture service encountered an error during update processing for the identified subscription.

User response: Review console messages and trace messages, on both the capture and apply systems, for information regarding the specific error encountered. Respond according to the error encountered.

CECN0147W (0x010C0093) CECN0147W MAXTIME > 0 and RESETTIME = 0 in latency set *latency-set* for subscription *subscription-name*

Explanation: The value of the maximum latency threshold (MAXTIME) is greater than zero but the value of the reset latency threshold (RESETTIME) is zero.

System action: The Classic data server will emit, at the most, one maximum latency exceeded event (AA_replication_max_latency_exceeded) for the identified subscription and latency threshold set.

User response: Set the RESETTIME latency threshold to a non-zero value.

CECN0148W (0x010C0094) CECN0148W MAXTIME > 0 and RESETTIME >= MAXTIME in latency set *latency-set* for subscription *subscription-name*

Explanation: The value of the maximum latency threshold (MAXTIME) is less than the value of the reset latency threshold (RESETTIME).

System action: The Classic data server will not emit any maximum latency exceeded events (AA_replication_max_latency_exceeded) for the identified subscription and latency threshold set.

User response: Set the latency threshold values so that the value of the RESETTIME latency threshold is less than the value of the MAXTIME latency threshold.

CECN0149W (0x010C0095) CECN0149W MAXTIME = 0 and RESETTIME > 0 in latency set *latency-set* for subscription *subscription-name*

Explanation: The maximum latency threshold value (MAXTIME) is zero and the reset latency threshold value (RESETTIME) is non-zero.

System action: The Classic data server will not emit any maximum latency exceeded events (AA_replication_max_latency_exceeded) for the identified subscription and latency threshold set.

User response: Set the latency threshold values so that the value of the MAXTIME latency threshold is greater than the value of the RESETTIME latency threshold.

CECN0150W (0x010C0096) CECN0150W HEARTBEAT < minimum in latency set *latency-set* for subscription *subscription-name*

Explanation: The HEARTBEAT time was set to a value less than 10 seconds, but heartbeats are not allowed to occur more often than once every 10 seconds.

System action: The value of the heartbeat events is set to 10 seconds for the identified subscription and latency threshold set.

User response: Set the HEARTBEAT time to a value greater than or equal to 10 seconds (10000 milliseconds).

CECN0151W (0x010C0097) CECN0151W MEANTIME is non-zero but all latency thresholds are 0 in latency set *latency-set* for subscription *subscription-name*

Explanation: The MEANTIME value is non-zero and all latency thresholds in the set are zero.

System action: The Classic data server will not emit averaged latency exceeded events for the identified

subscription and threshold set.

User response: Set MEANTIME to zero or set an averaged latency threshold to a non-zero value.

CECN0152W (0x010C0098) CECN0152W RESETTIME
>= CONSTRAINEDTIME in latency set
latency-set for subscription
subscription-name

Explanation: The value of the reset latency threshold (RESETTIME) is greater than the value of the constrained latency threshold (CONSTRAINEDTIME).

System action: The Classic data server will falsely emit either CONSTRAINEDTIME latency exceeded events (AA_replication_constrained_latency_exceeded) or CRITICALTIME latency exceeded events (AA_replication_critical_latency_exceeded) for the identified subscription and latency threshold set.

User response: The constrained latency threshold (CONSTRAINEDTIME) value is derived as 80% of maximum latency (MAXTIME) value. Set the RESETTIME latency threshold so that the reset latency threshold value is less than the constrained latency threshold (CONSTRAINEDTIME) value.

CECN0153W (0x010C0099) CECN0153W
DISCRETETIME is less than or equal to
MAXTIME in latency set *latency-set for*
subscription *subscription-name*

Explanation: The value of the discrete latency threshold (DISCRETETIME) is less than or equal to the value of the maximum latency threshold (MAXTIME).

System action: The Classic data server will emit DISCRETETIME latency exceeded events (AA_replication_discrete_latency_exceeded) for the identified subscription and latency threshold set.

User response: Set the DISCRETETIME latency threshold values so that the discrete latency threshold value is greater than the maximum latency threshold value.

CECN0154W (0x010C009A) CECN0154W MEANTIME
< minimum in latency set *latency-set for*
subscription *subscription-name*

Explanation: The MEANTIME time was set to a value less than 3 seconds, but sample intervals are not allowed to occur more often than once every 3 seconds.

System action: The mean time value is set to 3 seconds for the identified subscription and latency threshold set.

User response: Set the MEANTIME time to a value greater than or equal to 3 seconds (3000 milliseconds).

CECN0155E (0x010C009B) CECN0155E The VSAM
replication object *vsam-data-set-name*
already exists.

Explanation: A replication object with this data set name already exists.

User response: Revise the request and specify the name of VSAM data set that does not already exist.

CECN0156I (0x010c009c) CECN0156I Client Event:
Event text

Explanation: Informational Message.

User response: No action required.

CECN0157W (0x010C009D) CECN0157W MAXTIME
< minimum in latency set *latency-set for*
subscription *subscription-name*

Explanation: The MAXTIME threshold time was set to a value less than 250 milliseconds, but the maximum threshold is not allowed to be less than 250 milliseconds.

System action: The maximum time value is set to 250 milliseconds for the identified subscription and latency threshold set.

User response: Set the MAXTIME time to a value greater than or equal to 250 milliseconds.

CECN0158W (0x010C009E) CECN0158W RESETTIME
< minimum in latency set *latency-set for*
subscription *subscription-name*

Explanation: The RESETTIME threshold time was set to a value less than 100 milliseconds, but the reset threshold is not allowed to be less than 100 milliseconds.

System action: The reset time value is set to 100 milliseconds for the identified subscription and latency threshold set.

User response: Set the RESETTIME time to a value greater than or equal to 100 milliseconds.

CECN0159E (0x010C009F) CECN0159E *threshold-name*
> maximum in latency set *latency-set for*
subscription *subscription-name*

Explanation: The MAXTIME threshold time was set to a value greater than 600000 milliseconds, but the maximum threshold is not allowed to be greater than 600000 milliseconds.

System action: The maximum time value specified is discarded for the identified subscription and latency threshold set.

User response: Set the MAXTIME time to a value less than or equal to 600000 milliseconds.

CECN0160W (0x010C00A0) CECN0160E The workload in latency set *latency-set* for subscription *subscription-name* is not named.

Explanation: The workload's threshold value was specified before the workload was named.

System action: The Classic data server does not process the threshold value specified.

User response: Name the workload.

CECN0161I (0x010C00A1) CECN0161I The user *user-id* set workload-type to *workload-name* for the subscription *subscription-name*.

Explanation: The specified user set a workload name for the specified subscription.

User response: No action is required.

CECN0162W (0x010C00A2) CECN0162W The workload name in latency set *latency-set* for subscription *subscription-name* cannot be cleared.

Explanation: The specified user attempted to clear a workload name for the specified subscription.

System action: The workload name is not cleared.

User response: Set all the workload's threshold values to zeros before clearing the workload name.

CECN0163I (0x010C00A3) CECN0163I The user *user-id* cleared the workload name for the subscription *subscription-name*.

Explanation: The specified user cleared a workload name for the specified subscription.

User response: No action is required.

CECN0165E (0x010C00A5) CECN0165E The workload name *workload-name* specified for latency set *latency-set* in subscription *subscription-name* is in error.

Explanation: The workload's name for the specified threshold set and subscription is in error.

System action: The workload name is not set.

User response: Set the workload's name using the following rules:

- The first character cannot be a digit or an underscore.
- The first character can be alphabetic.
- Characters 2 to 63 must be an alphanumeric characters.
- Characters 2 to 63 can be an underscore.

CECN0166W (0x010C00A6) CECN0166W The workload name *workload-name* specified for latency set *latency-set* in subscription *subscription-name* is unchanged.

Explanation: The workload's name for the specified threshold set and subscription is unchanged.

System action: The workload name is not set.

User response: Set the workload's name to a different value using the following rules:

- The first character cannot be a digit or an underscore.
- The first character can be alphabetic.
- Characters 2 to 63 must be an alphanumeric characters.
- Characters 2 to 63 can be an underscore.

CECN0167E (0x010C00A7) CECN0167E You cannot perform this action because the subscription *subscription-name* is not a subscription configured for Classic event publishing.

Explanation: The server detected an attempt to perform a Classic event publishing action on a subscription that is not configured as a Classic event publishing subscription.

User response: Ensure that the specified subscription is valid for Classic event publishing and retry the operation. You might have to recreate the subscription by specifying Classic as the source and target.

CECN0168E (0x010C00A8) CECN0168E You cannot perform this action because the subscription *subscription-name* is neither configured for change-data capture nor Classic event publishing.

Explanation: The server detected an attempt to perform an action on a subscription that is not configured for change-data capture or Classic event publishing.

User response: Ensure that the specified subscription is configured correctly and retry the operation. You might have to recreate the subscription.

CECN0169E (0x010C00A9) CECN0169E A queue name is required for the subscription *subscription-name*.

Explanation: The specified subscription is configured for Classic event publishing but a queue name was not specified.

User response: Reconfigure the subscription by specifying a queue name.

CECN0170E (0x010C00AA) CECN0170E Queue name
queue-name for subscription
subscription-name is already used by
 subscription *subscription-name*.

Explanation: The specified queue name is already in use. The queue name must be unique across all subscriptions that are publishing changes to WebSphere MQ.

User response: Reconfigure the subscription by specifying a different queue name.

CECN0171E (0x010C00AB) CECN0171E The specified
maximum message size of
max-message-size bytes for subscription
subscription-name is not in the allowed
 range from *minimum-value* bytes to
maximum-value bytes.

Explanation: The specified value for maximum message size is out of range.

User response: Specify a value within the range that was shown in the message text.

CECN0172W (0x010C00AC) CECN0172W Describe
request ignored for subscription
subscription-name .

Explanation: A describe request was issued for a subscription that is not configured for Classic event publishing. Describe requests are not supported for those type of subscriptions and will be ignored for the specified subscription. In the case of a describe all request, command processing will continue with other subscriptions if applicable.

User response: No action is required.

IMS log reader interface (CECZ)

CECZ0100I (0x01100064) CECZ0100I The API
initialized for the IMS change-capture
interface. Version: *version-number*;
Initialized level: *last-maintenance*

Explanation: The IMS change-capture interface received an initialization request. The initialization of the environment for the application programming interface (API) is complete.

Version

Indicates the version of the change-capture interface that initialized.

Initialized level

Indicates the most recent level of maintenance that you applied to this version of the change-capture interface.

User response: No action is required.

CECZ0101E (0x01100065) CECZ0101E The IMS
change-capture interface failed to
initialize.

Explanation: The change-capture interface received an initialization request, but an internal error prevented the initialization from completing successfully.

User response: Contact IBM Software Support.

CECZ0103E (0x01100067) CECZ0103E The IMS
change-capture interface could not
activate the API for IMS database
recovery control (DBRC), or the
environment does not support the batch
interface for DBRC.

Explanation: To initialize, the change-capture interface must first initialize the environment for the application

programming interface (API) for DBRC. The API initialization failed or the API components were not available. Initialization stopped for the change-capture interface.

User response: Ensure that the modules for IMS DBRC and the API functions, libraries, and modules are available in this environment, and then try to initialize again.

CECZ0105I (0x01100069) CECZ0105I The IMS
change-capture interface is now
connected to the IMS environment.

Explanation: IMS change capture completed the connection to the IMS environment on behalf of the log reader service.

User response: No action is required.

CECZ0106E (0x0110006A) CECZ0106E The request to
connect the IMS change-capture
interface with the IMS environment
failed. IMS change capture could not
obtain the required storage.

Explanation: IMS change capture could not obtain the amount of memory that it requires for internal operations. The connection to the IMS environment failed.

User response: Increase the region size of the data server. If the problem persists, contact IBM Software Support.

CECZ0112I (0x0110006E) CECZ0112I IMS subsystem
subsystem-id is now participating in
 ordering decisions.

Explanation: The connection process for the IMS

CECZ0111I (0x0110006F) • CECZ0308E (0x01100134)

change-capture interface found the specified subsystem to be active. The log reader interface will include the subsystem ID in subsequent change-capture processing.

User response: No action is required.

CECZ0111I (0x0110006F) CECZ0111I Log Reader Interface waiting for *number-of-subsystems* subsystem(s) to become active

Explanation: Log Reader Interface processing is waiting for *number-of-subsystems* subsystem(s) to become active

User response: No Action Required.

CECZ0113E (0x01100071) CECZ0113E Log Reader Interface API version *version - level last maintenance* supports only single subsystem environments.

Explanation: The Log Reader Interface received a request to connect to the IMS environment from the Log Reader Service. The connect request failed because this level of the API supports replication only for a single subsystem environment, and more than one subsystem was found.

User response: Use the subsystem exclusion list parameter SSIDEXCLUDELIST in the Log Reader Service to restrict the number of subsystem tracked to 1.

CECZ0300E (0x0110012C) CECZ0300E The IMS change-capture interface received an unrecoverable internal error at initialization time. Module: *module-name*. Location: *code-location*. RC=*function-rc*.

Explanation:

module-name

Indicates the name of the module that detected the error.

code-location

Indicates the line number in the source code within the reported module.

function-rc

Indicates the condition code that identifies the cause of the failure.

This is an internal error. The reason code *function-rc* explains the reason for the failure:

- |100| Storage allocation for a LRS buffer failed.
- |101| TCPNOTIFICATIONURL parameter not set
- |102| TCP/IP communication setup for IMS exit communication failed
- |130| Storage allocation for multithread processing failed

- |140| Unable to obtain thread information
- |150| Unable to attach task control block (TCB) for change-capture interface
- |160| Unable to create change-capture interface dispatcher

For additional diagnostic information, see the diagnostic log for the data server.

User response: Contact IBM Software Support.

CECZ0304E (0x01100130) CECZ0304E The initialization of the IMS change-capture interface failed because it could not obtain the required storage.

Explanation: The change-capture interface could not obtain the required memory, and initialization failed.

User response: Increase the region size for the data server. If the problem persists, contact IBM Software Support.

CECZ0305E (0x01100131) CECZ0305E The IMS change-capture interface received an unrecoverable internal error at disconnect time. Module: *module-name*. Location: *code-location*. RC=*function-rc*.

Explanation:

module-name

Indicates the name of the module that detected the error.

code-location

Indicates the line number in the source code within the reported module.

function-rc

Indicates the condition code that identifies the cause of the failure.

This is an internal error. The reason code *function-rc* explains the reason for the failure:

- |501| Disconnect failed
- |502| Internal recoverable error detected. Processing continues.

See the diagnostic log for the Classic data server for additional information.

User response: Contact IBM Software Support and provide the information in this message.

CECZ0308E (0x01100134) CECZ0308E The IMS change-capture interface received an unrecoverable internal error at connect time. Module: *module-name*. Location: *code-location*. RC=*function-rc*.

Explanation:**module-name**

Indicates the name of the module that detected the error.

code-location

Indicates the line number in the source code within the reported module.

function-rc

Indicates the condition code that identifies the cause of the failure.

This is an internal error. The reason code *function-rc* explains the reason for the failure.

- |200| DSPAPQLG eye-catcher not found or missing in the DBRC API output buffer
- |201| DSPAPQLI eye-catcher not found in the DBRC API output buffer
- |202| DBRC API call QUERY_LOG failed
- |203| A connect call was made but no environment (LRIINIT) was available
- |204| The DBRC API call QUERY_OLDS failed
- |205| Storage acquisition for LRS buffer failed

Additional error information is available in the diagnostic log for the data server.

User response: Contact IBM Software Support and provide the information in this message.

CECZ0309E (0x01100135) CECZ0309E The IMS change-capture interface received an unrecoverable internal error at read time. Module: *module-name*. Location: *code-location*. RC=*function-rc*.

Explanation:**module-name**

Indicates the name of the module that detected the error.

code-location

Indicates the line number in the source code within the reported module.

function-rc

Indicates the condition code that identifies the cause of the failure.

This is an internal error. The reason code *function-rc* explains the reason for the failure.

- |302| Internal error. The call failed.
- |303| A call failed because the next log to process is the same one already processed.

- |304| DSPAPQLG eye-catcher not found or missing in the DBRC API output buffer.
- |305| DSPAPQLI eye-catcher not found in the DBRC API output buffer.
- |306| Internal error. A buffer length was not valid. It is possible that an overlay occurred.
- |307| Multistream activation request failed. The log stream was not found or connected.
- |308| Management of the initial read state failed. Unrecoverable error.
- |311| An attempt to locate the next log to open failed unexpectedly.
- |312| The 10th attempt to locate the next log to open failed. The new log and the current log are the same.

See the diagnostic log for the data server for additional information about the error.

User response: Contact IBM Software Support and provide the information in this message.

CECZ0310E (0x01100136) CECZ0310E The IMS change-capture interface received an unrecoverable internal error. Module: *module-name*. Location: *code-location*. RC=*function-rc*.

Explanation:**module-name**

Indicates the name of the module that detected the error.

code-location

Indicates the line number in the source code within the reported module.

function-rc

Indicates the condition code that identifies the cause of the failure.

This is an internal error. The reason code *function-rc* explains the reason for the failure.

- |405| A call was made but no environment (LRIINIT) was available.
- |606| The DBRC API environment could not shut down normally.

See the diagnostic log for the data server for additional diagnostic information.

User response: Contact IBM Software Support and provide the information in this message.

CECZ0311E (0x01100137) CECZ0311E The IMS change-capture interface was unable to free storage for the process *process-name*. Control Block Type: *cb-type*. It is possible that memory is corrupted.

Explanation: An attempt to release storage failed for the process *process-name*. The identifier for the control block type *cb-type* was corrupted and the change-capture interface issued an error to avoid a possible memory overlay. The shut down process continues for the change-capture interface.

User response: Contact IBM Software Support.

CECZ0315W (0x0110013B) CECZ0315W IMS change-capture rejected a new connect request. Maximum number of concurrent LogStreams reached.

Explanation: The IMS change-capture component is unable to satisfy a new connect request because the maximum number of concurrent stream that can be simultaneously active was reached. This is a temporary condition usually due to the start of multiple subscriptions in a short time-span.

User response: Normally the source capture service queues up the request and it will issue message CECC0038I stating the subscription being placed on hold. When a preexisting LogStream will be disconnected/deactivated (CECC0039I will be issued) the request will be satisfied. In case you do not see any of the aforementioned messages try to restart the subscription.

CECZ0320E (0x01100140) CECZ0320E The IMS log reading interface received a non-recoverable error while processing log stream *log-stream-name*.

Explanation: This is an internal error. The source server will terminate. Additional diagnostic information may be available in the diagnostic log for the source server.

User response: Contact IBM Software Support.

CECZ0400W (0x01100190) CECZ0400W IMS change capture halted due to inactivity from the subsystem *subsystem-id*. The log reader service has not detected any new log data from this subsystem since *time-stamp*. The current value the inactivity threshold is *current-threshold-value*. Connection ID: *Conn-ID*.

Explanation: This message is displayed only in an IMS data sharing environment where you are capturing changes from multiple DB/DC or DBCTL subsystems. The server issues this message when it does not detect

activity from one of the subsystems for a period of time. The source server must receive activity from all participating subsystems to ensure that it publishes changes in order.

You control the frequency at which the server issues the CECZ0400W message by changing the value of the **INACTTHRESHOLD** configuration parameter in the log reader service. By default, the source server issues this message at 30-second intervals when these conditions are true:

- The other subsystems participating in ordering decisions are processing workload
- The source server receives no new log records from the specified subsystem

For more information, see the topics “Subsystem inactivity management” and “INACTTHRESHOLD” in the Classic documentation.

User response: You can choose from several manual and automated options to manage subsystem inactivity. For more information, see the topics “Using a BMP program to manage subsystem inactivity automatically” and “Managing subsystem inactivity manually” in the Classic documentation.

CECZ0500I (0x011001f4) CECZ0500I The IMS change-capture interface detected an XRF takeover for the IMS subsystem *subsystem-id*.

Explanation: The change-capture interface detected the IMS command **/SWITCH SYSTEM FORCE** against the subsystem *subsystem-id*, or an unrecoverableabend occurred on the active subsystem. After the takeover process ends and IMS opens a new log dataset, the change capture interface will issue a CECZ0502I message and continue operations.

User response: No action is required.

CECZ0501I (0x011001f5) CECZ0501I The IMS change-capture interface suspended ordering decisions for the XRF subsystem *subsystem-id*. The change-capture interface is waiting for an alternate IMS subsystem to take over.

Explanation: An operator entered the IMS command **/SWITCH SYSTEM FORCE** against an alternate subsystem, and then the change-capture interface read the last available record in the current log. After the XRF takeover process is complete and IMS opens a new log dataset, the change-capture interface will issue a CECZ0502I message and continue operations.

User response: No action is required.

CECZ0502I (0x011001f6) CECZ0502I The IMS change-capture interface detected a successful completion of an XRF takeover for the IMS subsystem *subsystem-id*. The change-capture interface will process the online data set *log-dsn*.

Explanation: The change-capture interface will process the new IMS online data set (OLDS) *log-dsn* after completing an XRF takeover for the subsystem *subsystem-id*. The change-capture interface will resume operations.

User response: No action is required.

CECZ0550I (0x01100226) CECZ0550I The IMS change-capture interface detected an FDBR takeover of the active IMS subsystem *subsystem-id*.

Explanation: The change-capture interface detected that a Fast Database Recovery (FDBR) region is active in the subsystem *subsystem-id* and that IMS is shutting down. After the FDBR takeover process is complete and IMS opens a new online dataset, the change-capture interface will issue a CECZ0552I message and continue operations.

User response: No action is required.

CECZ0552I (0x01100228) CECZ0552I The IMS change-capture interface detected that a Fast Database region (FDBR) restarted the IMS subsystem *subsystem-id*. The change-capture interface will process the online data set *log-dsn*.

Explanation: The change-capture interface will process the new online data set (OLDS) *log-dsn* after taking over a FDBR in the specified subsystem. The change-capture interface will resume operations.

User response: No action is required.

CECZ0751I (0x011002EF) CECZ0751I The IMS partner program exit issued a notification indicating that the subsystem *subsystem-id* started.

Explanation: IMS called the IMS partner program exit DFSPPE0, as implemented for IMS replication, to notify the IMS change-capture interface that the specified IMS subsystem *subsystem-id* started and that its log data sets are available for processing.

User response: No action is required.

CECZ0752E (0x011002F0) CECZ0752E The notification exit for IMS change capture (CECPPUE0) failed to read CECE1OPT.

Explanation: The IMS partner program exit DFSPPE0, as implemented for IMS replication, could not read the configuration options file for IMS replication (CECE1OPT).

User response: Ensure that CECE1OPT is available to the IMS partner program exit, as IMS replication implemented DFSPPE0, in an authorized data set that you concatenated in the IMS STEPLIB DD statement. Confirm that CECE1OPT is configured correctly, and that it was compiled and linked successfully. For more information, see the topic "Setting up the notification exits" in the Classic documentation.

CECZ0753E (0x011002F1) CECZ0753E The exit configuration module CECE1OPT has an invalid IP version. The value of the IPVSN parameter must be 4 or 6.

Explanation: IPVSN has an invalid value in the CECE1OPT configuration file. The IMS partner program exit DFSPPE0, as implemented for IMS replication, cannot use CECE1OPT.

User response: Set the IPVSN parameter in CECE1OPT to either 4 (to indicate Internet Protocol version 4) or 6 (to indicate Internet Protocol version 6). You must recompile and relink this module for the changes to take effect.

CECZ0757I (0x011002F5) CECZ0757I The IMS partner program exit established a TCP/IP connection for the IMS subsystem *subsystem-id*. IP Address: *ip-address*. Port: *port*

Explanation: The IMS partner program exit DFSPPE0, as implemented for IMS replication, successfully established a TCP connection with the specified subsystem *subsystem-id* on the specified IP address *ip-address* on port *port*.

User response: No action is required.

CECZ0758I (0x011002F6) CECZ0758I The IMS partner program exit CECPPUE0 disconnected from the IP address *ip-address*, port *port*

Explanation: The IMS partner program exit DFSPPE0, as implemented for IMS replication, ended the TCP connection. You see this message only if the exit ends the connection normally. It is not displayed if you lose the connection for a different reason.

User response: No action is required.

CECZ0761E (0x011002F9) CECZ0761E The call EZASMI FUNC=INITAPI failed with the TCP error *error-code*.

Explanation: The IMS partner program exit DFSPUE0, as implemented for IMS replication, failed to initialize the TCP socket interface. The exit did not establish a TCP connection, and the IMS change-capture interface will not receive any notifications from the current IMS system. The TCP error code is in hexadecimal format.

User response: Use the TCP error code to determine why the TCP call failed. If the problem persists, contact IBM Software Support.

CECZ0762E (0x011002FA) CECZ0762E The call EZASMI FUNC=SOCKET failed with the TCP error *error-code*.

Explanation: The IMS partner program exit DFSPUE0, as implemented for IMS replication, tried to obtain a socket descriptor, but the call failed. The exit did not establish a TCP connection, and the IMS change-capture interface will not receive any notifications from the current IMS system. The TCP error code is in hexadecimal format.

User response: Use the TCP error code to determine why the TCP call failed. If the problem persists, contact IBM Software Support.

CECZ0763E (0x011002FB) CECZ0763E The call EZASMI FUNC=CONNECT failed with the TCP error code *error-code*.

Explanation: The IMS partner program exit DFSPUE0, as implemented for IMS replication, failed to make a TCP connection to the server. The IMS change-capture interface will not receive notifications from the IMS subsystem. The TCP error code is in hexadecimal format.

User response: Use the TCP error code to determine why the TCP call failed. If the problem persists, contact IBM Software Support.

CECZ0764E (0x011002FC) CECZ0764E The call EZASMI FUNC=WRITE failed with the TCP error code *error-code*.

Explanation: The IMS partner program exit DFSPUE0, as implemented for IMS replication, failed to send a notification to the server. The TCP connection is not broken, but the IMS change-capture interface will not receive notifications from the IMS subsystem. The exit might shut down the TCP connection in the future. The TCP error code is in hexadecimal format.

User response: Use the TCP error code to determine why the TCP call failed. If the problem persists, contact IBM Software Support.

CECZ0765E (0x011002FD) CECZ0765E The call EZASMI FUNC=SHUTDOWN failed with the TCP error code *error-code*

Explanation: The IMS partner program exit DFSPUE0, as implemented for IMS replication, failed to shut down the TCP connection. The server already received a notification from IMS that the subsystem started. After this message is displayed, IMS might terminate without first shutting down the TCP connection. The TCP error code is in hexadecimal format.

User response: Use the TCP error code to determine why the TCP call failed. If the problem persists, contact IBM Software Support.

CECZ0906W (0x0110038A) CECZ0906W Multiple log streams are accessing the same log data set. The data set name is *log-dsn*. Change-capture operations will temporarily suspend log reading. Affected LogStream *Conn-id*.

Explanation: The IMS change-capture interface detected that one or more log streams are trying to access the same IMS log data set simultaneously. *log-dsn* identifies the data set name.

The change-capture interface does not support concurrent read operations against the same archived data set at different positions, and will temporarily suspend log reading. *Conn-id* identifies the affected LogStream. Log reading will resume as soon as possible.

User response: No action is required.

CECZ0907I (0x0110038B) CECZ0907I The IMS change-capture interface resumes log reading on data set *log-dsn* for the LogStream *conn-id*.

Explanation: The IMS change-capture interface detected that a log stream can resume reading serialized IMS log data after log reading was suspended previously. *log-dsn* identifies the data set name.

Conn-id identifies the log stream.

User response: No action is required.

CECZ0913I (0x01100391) CECZ0913I The IMS subsystem *subsystem-id* shut down. Log reading will stop for this subsystem.

Explanation: The IMS change-capture interface detected that the subsystem *subsystem-id* shut down. Log reading cannot continue for this subsystem until you restart it.

User response: To continue replication, restart the specified subsystem.

CECZ0914I (0x01100392) CECZ0914I *log-type* **Log record type** *log-rec-type* *log-info* *action*

Explanation: Informational message about the record read.

- *log-type*: Type of IMS log either ACTIVE or ARCHIVE
- *log-rec-type*: Log Record Type
- *log-info*: Information about the log record that will include timestamp and Log Sequence Number (LSN)
- *action*: Action taken by the Log Reader Interface

User response: No Action Required.

CECZ0915W (0x01100393) CECZ0915W **Identified log is unavailable:** *LogDSN-name* **and it is unusable. Subsystem** *subsystem-id* **excluded from ordering decisions. LogStream** *LogStream-name* **might be suspended.**

Explanation: The Log Reader Interface identified a log suitable for read processing but *LogDSN-name* has been identified by DBRC as in compressed or IOERROR state and/or cannot be opened. The Subsystem *subsystem-id* will be excluded from ordering decisions. If LogStream *LogStream-name* is the only system in this environment, replication will stop.

User response: Ensure IMS logs are available at all times to the Log Reader Interface.

CECZ0916I (0x01100394) CECZ0916I **The IMS change-capture interface detected a /CHE command for the subsystem** *subsystem-id*. **Merging and ordering operations will proceed when the subsystem processes workload.**

Explanation: The change-capture interface detected a checkpoint command while the subsystem was not processing any workload. Merging and ordering operations on log records will continue as soon as the change-capture interface detects workload for this subsystem.

User response: No action is required.

CECZ0918W (0x01100396) CECZ0918W **The IMS change-capture interface detected a quiesce command for the subsystem** *subsystem-id* **and the change-capture interface will remove this subsystem from ordering decisions for the log stream:** *connection-id*.

Explanation: The change-capture interface detected a checkpoint (DUMPQ, SNAPQ, PURGE) that was related to shutting down the specified subsystem. The change-capture interface encountered the checkpoint while tracking the online data sets (OLDS) for the

subsystem *subsystem-id*. Merging and ordering operations on log records for the log stream *connection-id* will not include data for the subsystem *subsystem-id*.

User response: If the subsystem shut down in an orderly manner and it is appropriate to remove it from ordering decisions, no action is necessary.

CECZ0919I (0x01100397) CECZ0919I **The IMS subsystem** *subsystem-id* **is now participating in ordering decisions for the log stream** *log-stream-name*.

Explanation: The IMS change-capture interface included the subsystem *subsystem-id* in ordering decisions for the log stream *log-stream-name*.

User response: No action is required.

CECZ0922W (0x0110039A) CECZ0922W **The source server requested a start time of** *time-stamp* **(GMT) for the subsystem** *subsystem-id*, **but the IMS log that includes this point in time could not be found or opened. Log stream affected:** *connection-id*.

Explanation: The IMS change-capture interface received a connection request using the timestamp *time-stamp*, but could not find or open an IMS log that includes this time. The change-capture interface locates the logs using the information in the IMS DBRC RECON data sets via its application programming interface (API).

User response: Ensure that all the IMS(s) participating in the log reading process are registered to the DBRC, all the IMS logs covering the timestamp requested are available, and the timestamp that is passed to the IMS change-capture connect call is correct. You might want to consider setting a new starting position for the subscription that is past the original start time.

CECZ0923W (0x0110039B) CECZ0923W **One or more IMS logs covering the time span** *time-stamp* **(GMT) cannot be processed. The log stream is now disabled:** *connection-id*.

Explanation: The IMS change-capture interface received a connection request that specifies the timestamp *time-stamp*, but could not find or open one or more IMS logs that span this time. The error will be propagated to the capture service.

If this error is issued for the primary stream (Connection ID starting with P1-), log reading operations will be indefinitely halted. If the message is issued for a secondary stream then the stream *Conn-ID* will be disabled, but reading operations will continue for the remaining streams.

User response: Ensure that all IMS subsystems that participate in log reading are registered with DBRC, all the IMS logs covering the requested timestamp are available, and the timestamp itself is correct. Consider setting a new starting position for the subscription that is later than the original start time.

CECZ0928W (0x011003A0) CECZ0928W IMS change-capture DBRC Query Recon failed.

Explanation: The IMS change-capture interface received a request to perform a QUERY RECON command for database recovery control (DBRC), but the request was not successful. The diagnostic log for the source server might contain information about the failure.

User response: Retry the operation, as this condition might be temporary. If the problem persists, contact IBM Software Support.

CECZ0929I (0x011003A1) CECZ0929I The IMS change-capture interface completed a QUERY RECON command successfully.

Explanation: The IMS change-capture interface received a request to perform a QUERY RECON command for database recovery control (DBRC), and the request completed successfully.

User response: No action is required.

CECZ0930E (0x011003A2) CECZ0930E The DD *dd-name* is missing. See the log messages for a description of the missing DD.

Explanation: The initialization process for the IMS change-capture interface failed because a required data definition (DD) was not defined for the application programming interface (API) for database recovery control (DBRC).

User response: Include the specified DD name in the job control language (JCL) for the source server, and ensure that the libraries are authorized and available.

CECZ0931E (0x011003A3) CECZ0931E The load module *module-name* for database recovery control (DBRC) is missing.

Explanation: The initialization process for the IMS change-capture interface cannot continue because the load module for the application programming interface (API) for DBRC is not present in the available libraries.

User response: Ensure that all DBRC API components are available to the change-capture interface and retry the initialization.

CECZ0932E (0x011003A4) CECZ0932E The IMS change-capture interface detected a *error-type* error while reading the log data set *dataset-name*.

Explanation: The IMS change-capture interface cannot continue reading the data set *dataset-name* because it encountered an error related to the basic sequential access method (BSAM). The diagnostic log for the data server might contain additional information.

User response: Contact IBM Software Support.

CECZ0934I (0x011003A6) CECZ0934I An IMS utility closed the IMS log *log-dsn*. PFLC: *poll-for-log-close*. Log stream: *connection-id*.

Explanation: The IMS change-capture interface detected that an IMS utility closed the specified log, probably after IMS ended abnormally. *poll-for-log-close* represents the number of times that the change-capture interface checked to determine whether IMS finished closing the log.

User response: No action is required.

CECZ0935I (0x011003A7) CECZ0935I The IMS subsystem *subsystem-id* closed the log *log-dsn* in response to a command to restart IMS. PFLC *poll-for-log-close*. Log stream: *conn-id*.

Explanation: The IMS change-capture interface detected that the active IMS log closed. This might happen when IMS leaves the log open, typically because of an abend, or after you issue the /ERE command to restart IMS.

User response: No action is required.

CECZ0936I (0x011003A8) CECZ0936I A log switch command was issued from the IMS subsystem *subsystem-id*.

Explanation: The IMS change-capture interface detected that an IMS log switch command (/SWITCH) was issued.

User response: No action is required.

CECZ0938E (0x011003AA) CECZ0938E The IMS change-capture interface cannot continue log reading for the log stream *conn-id* in the subsystem *subsystem-id*. The IMS log *log-dsn* does not exist or the change-capture interface cannot open it.

Explanation: Log reading operations cannot continue because the change-capture interface cannot find or open the specified IMS log. Replication will stop if this message is related to the primary log stream.

If the message is related to a secondary stream, the

change-capture interface disables the stream that *conn-id* represents, but reading, merging, and ordering operations for log records continue for the remaining log streams.

User response: Ensure that the subsystem *subsystem-id* is registered to database recovery control (DBRC), and that the specified IMS log is cataloged and available. Then restart replication.

CECZ0939W (0x011003AB) CECZ0939W The IMS change-capture interface is temporarily unable to open the log *data-set-name* for the log stream *connection-id*. The change-capture interface is retrying.

Explanation: The change-capture interface detected that the next log to open for the stream *connection-id* is temporarily unavailable. The change-capture interface will try to open the log for basic sequential access method (BSAM) up to 10 times.

User response: No action is required.

CECZ0940I (0x011003AC) CECZ0940I The IMS change-capture interface opened the *active* \ *archived* log *dataset-name* in the subsystem *subsystem-id*. Connection ID: *connection-id*

Explanation: The IMS change-capture interface reports that it opened a new log for the log stream *connection-id* and that the log data set is now available for processing.

User response: No action is required.

CECZ0941I (0x011003AD) CECZ0941I The IMS change-capture interface read the first record in the *active* \ *archived* log data set *dataset-name* related to the IMS subsystem *subsystem-id*. Start timestamp: *gmt-timestamp*. LSN: *log-sequence-number*. Connection ID: *connection-id*.

Explanation: The change-capture interface reports the timestamp and log sequence number (LSN) of the first record that satisfies the specified starting position. The record is in the current IMS *active* \ *archived* log data set for the IMS subsystem *subsystem-id*.

User response: No action is required.

CECZ0945I (0x011003B1) CECZ0945I The IMS change-capture interface closed the *active* \ *archived* log *dataset-name* that is related to the IMS subsystem *subsystem-id*. Connection ID: *connection-id*

Explanation: The change-capture interface reports that it has closed the log *dataset-name*.

User response: No action is required.

CECZ0946I (0x011003B2) CECZ0946I The IMS change-capture interface read the last record *log-sequence-number* in the *active* \ *archived* log data set that is related to the IMS subsystem *subsystem-id*. Timestamp: *gmt-timestamp*. Connection ID: *connection-id*.

Explanation: The change-capture interface reports the timestamp and log sequence number (LSN) of the last record that it processed in the current *active* \ *archived* log data set for the IMS subsystem *subsystem-id*.

User response: No action is required.

CECZ0947I (0x011003B3) CECZ0947I LOG STATISTICS: IOS *blocksread-recordsread* SEL *recordsselfforfile-totalrecordssel* B *recordssentforfile-totalrecordssent* LEOL *pollcount* PEOF *pollcount-DBRCusecount*

Explanation: The Log Reader Interface issues this message in response to the log reader service console commands REPORT,STATISTICS or REPORT,ALL.

- IOS: First value is the number of log blocks read, the second value is the number of records read
- SEL: First value is the total records captured for the current log file, the second value is the total number of records that have been captured
- B: First value is the total number of records sent to the log reader service for the current log file, the second value is the total number of records
- LEOL: The number of times the logic waited for the Logical End Of Log condition to end
- PEOF: First value is the total number of times the logic waited for a Physical End Of File condition, the second value is the total number of DBRC API calls made

User response: No Action Required.

CECZ0950I (0x011003B6) CECZ0950I IMS change data capture received and successfully processed a database filtering request for the log stream *conn-id*. The database filter now contains *number-of-db-entries* entries.

Explanation: IMS change-capture received a request to capture only the log records that are related to the databases on the filter list. The request processed successfully, and subsequent operations for change data capture will use the filter to process the log stream *conn-id*.

User response: Ensure that the IMS *subsystem-id* is registered to database recovery control (DBRC) and that the correct timestamp is in the connect call to the log reader interface.

CECZ0951W (0x011003B7) CECZ0951W CECZ0951W
The IMS change-capture interface received a database filtering request for the log stream *conn-id*, but the request failed. The change-capture interface disabled the log stream.

Explanation: The IMS change-capture interface received a request to capture only the log records that are related to the databases on the filter list. The request was not successful, and subsequent operations for change data capture will not use the filter to process the log stream *conn-id*.

User response: Contact IBM Software Support.

CECZ0972E (0x011003CC) CECZ0972E **The IMS change-capture interface was unable to resolve a log block gap for the IMS subsystem *subsystem-id*.**

Explanation: This error indicates that IMS is writing to the online logs faster than the log reader interface can read them. IMS cycled through the online data sets (OLDS) and began writing new records over older ones that log reading did not yet process.

To recover from this situation, the log reader interface issued a call to database recovery control (DBRC) to locate an archived log that contains a record with the log sequence number (LSN) of the most previous record plus 1. The search was unsuccessful, and log reading stops for the specified subsystem.

User response: If the online data sets (OLDS) are too small for the workload, log switches might occur too often and cause this error. Increase the size of the OLDS until a log switch occurs every 5 to 10 minutes. If the problem persists, contact IBM Software Support.

CECZ0973W (0x011003CD) CECZ0973W **A log data set was reused by the subsystem *subsystem-id*. Connection ID: *connection-id***

Explanation: This warning indicates that IMS is writing to the online logs faster than the IMS change-capture interface can read them. IMS cycled through the online data sets (OLDS) and began writing new records over older ones that the change-capture interface did not yet process.

To recover from this situation, the change-capture interface issued a call to database recovery control (DBRC) to locate an archived log that contains a record with the log sequence number (LSN) of the most recent record plus 1. If the call succeeds, log reading continues. If it fails, log reading stops for the specified subsystem and the log reader interface issues one or more additional error messages.

Some possible explanations for this message include the following scenarios:

Flow control

Your replication environment might impose flow control during peak processing to prevent a replication failure. This message can be issued if pacing activities exceed the time that IMS requires to cycle through the OLDS.

Data set size

If the OLDS are too small for the workload, log switches might occur too frequently.

DLI batch jobs

This message can be issued if IMS cycles through all available OLDS before a DLI batch job ends and its log records become available for processing.

User response: Consider increasing the size of the OLDS until a log switch occurs every 5 to 10 minutes. Avoid running long DLI batch jobs when IMS online activity is significant.

If none of these scenarios apply to your situation, or you believe that the message is issued incorrectly, contact IBM Software Support.

CECZ0975E (0x011003CF) CECZ0975E **Potential IMS log overlay for subsystem *subsystem-id*. LSN read does not match LSN found by the DBRC query at open time for log: *Log-DSN*.**

Explanation: The Log Reader Interface was validating the content of a newly switched log when it detected that the LSN associated with the first record read is not in the range of LSN returned by the DBRC query log. This may be caused by an overlay / reuse of one or more IMS log data sets.

User response: Ensure that the IMS *subsystem-id* is correctly archiving the available log data set and no accidental overlay can occur.

CECZ0982W (0x011003D6) CECZ0982W **The IMS change-capture interface is stopping.**

Explanation: The environment for the change-capture interface is ending in response to your request, or as necessary.

User response: No action is required.

CECZ0983I (0x011003D7) CECZ0983I **The IMS change-capture interface stopped.**

Explanation: The environment for the change-capture interface ended.

User response: No action is required.

CECZ0984I (0x011003D8) CECZ0984I The environment for the API for IMS database recovery control (DBRC) ended.

Explanation: While shutting down, the IMS change-capture interface stopped the environment for the application programming interface (API) for DBRC.

User response: No action is required.

CECZ0986I (0x011003DA) CECZ0986I The IMS change-capture interface disconnected from the IMS environment.

Explanation: The change-capture interface is no longer connected to the IMS environment.

User response: No action is required.

CECZ0987I (0x011003DB) CECZ0987I The IMS change-capture interface started the log stream *log-stream-name*. Connection ID: *connection-id*.

Explanation: The log stream *log-stream-name* started.

User response: No action is required.

CECZ0988I (0x011003DC) CECZ0988I The IMS change-capture interface stopped the log stream *log-stream-name*.

Explanation: The log stream *log-stream-name* stopped.

User response: No action is required.

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