

Hitachi Advanced Database Messages

3000-6-505-H0(E)

Notices

■ Relevant program products

P-9W62-C411 Hitachi Advanced Data Binder version 05-01 (for Red Hat^(R) Enterprise Linux^(R) Server 6 (64-bit x86_64) and Red Hat^(R) Enterprise Linux^(R) Server 7 (64-bit x86_64))

P-9W62-C311 Hitachi Advanced Data Binder Client version 05-01 (for Red Hat^(R) Enterprise Linux^(R) Server 6 (64-bit x86_64) and Red Hat^(R) Enterprise Linux^(R) Server 7 (64-bit x86_64))

P-2462-C114 Hitachi Advanced Data Binder Client version 05-01 (for Windows 7, Windows 8.1, Windows 10, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, and Windows Server 2016)

This manual can be used for products other than the products shown above. For details, see the *Release Notes*. Hitachi Advanced Data Binder is the product name of Hitachi Advanced Database in Japan.

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Abbreviation			Full name or meaning
Windows	Windows 7	Windows 7 x86	Microsoft(R) Windows(R) 7 Professional (32-bit)
			Microsoft(R) Windows(R) 7 Enterprise (32-bit)
			Microsoft(R) Windows(R) 7 Ultimate (32-bit)
	Windows 7 x64		Microsoft(R) Windows(R) 7 Professional (64-bit)
			Microsoft(R) Windows(R) 7 Enterprise (64-bit)
			Microsoft(R) Windows(R) 7 Ultimate (64-bit)
	Windows 8.1	Windows 8.1 x86	Windows(R) 8.1 Pro (32-bit)
			Windows(R) 8.1 Enterprise (32-bit)

Abbreviation			Full name or meaning	
		Windows 8.1 x64	Windows ^(R) 8.1 Pro (64-bit) Windows ^(R) 8.1 Enterprise (64-bit)	
Windows 10		Windows 10 x86	Windows ^(R) 10 Pro (32-bit) Windows ^(R) 10 Enterprise (32-bit)	
		Windows 10 x64	Windows ^(R) 10 Pro (64-bit) Windows ^(R) 10 Enterprise (64-bit)	
Windows Server 2008 R2			Microsoft ^(R) Windows Server ^(R) 2008 R2 Standard Microsoft ^(R) Windows Server ^(R) 2008 R2 Enterprise Microsoft ^(R) Windows Server ^(R) 2008 R2 Datacenter	
Windows Server 2012			Microsoft ^(R) Windows Server ^(R) 2012 Standard Microsoft ^(R) Windows Server ^(R) 2012 Datacenter	
Windows Server 2012 R2			Microsoft ^(R) Windows Server ^(R) 2012 R2 Standard Microsoft ^(R) Windows Server ^(R) 2012 R2 Datacenter	
Windows Server 2016			Microsoft ^(R) Windows Server ^(R) 2016 Standard Microsoft ^(R) Windows Server ^(R) 2016 Datacenter	

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Preface

This manual describes the messages output by Hitachi Advanced Database.

Note that, in this manual, and in the information output by the product (messages, command output results, and so on), *HADB* is often used in place of *Hitachi Advanced Database*.

■ Intended readers

This manual is intended for:

- System engineers who design and set up HADB systems, and system administrators
- Application developers

Readers of this manual must have:

- A basic knowledge of Linux or Windows system management
- A basic knowledge of RDBMS operation management
- A basic knowledge of SQL

■ Organization of this manual

This manual is organized into the following chapters:

1. Message Format and Output Locations

Chapter 1 explains the locations to which HADB outputs messages. It also explains the format in which messages are output, how to interpret them, the relationship between message IDs and SQLCODEs, and query position numbers.

2. Messages

Chapter 2 lists the messages that HADB outputs, and explains their meanings and the corrective action to take in response to each message.

3. Output Codes

Chapter 3 lists the abort codes that HADB outputs, and explains their meanings and the corrective action to take in response to each abort code.

4. SQLSTATE Values

Chapter 4 explains the SQLSTATE values that HADB outputs.

■ Related publications

This manual is part of a related set of manuals. The manuals in the set are listed below (with the manual numbers):

- *Hitachi Advanced Database Setup and Operation Guide* (3000-6-501(E))
- *Hitachi Advanced Database Application Development Guide* (3000-6-502(E))
- *Hitachi Advanced Database Command Reference* (3000-6-503(E))
- *Hitachi Advanced Database SQL Reference* (3000-6-504(E))

- *HA Monitor Cluster Software Guide (for Linux^(R) (x86) Systems) (3000-9-201(E))*
- *Job Management Partner 1 Version 10 Job Management Partner 1/Automatic Job Management System 3 System Design (Work Tasks) Guide (3021-3-320(E))*
- *JP1 Version 11 JP1/Base User's Guide (3021-3-A01(E))*

In references to Hitachi Advanced Database manuals, this manual uses *HADB* in place of *Hitachi Advanced Database*.

Example: *HADB Setup and Operation Guide*

In references to the HA Monitor manual, this manual uses *HA Monitor for Linux^(R) (x86)* in place of *HA Monitor Cluster Software Guide (for Linux^(R) (x86) Systems)*.

Example: *HA Monitor for Linux^(R) (x86)*

In references to the Job Management Partner 1/Automatic Job Management System 3 manual, this manual uses *Job Management Partner 1/Automatic Job Management System 3 System Design (Work Tasks) Guide* in place of *Job Management Partner 1 Version 10 Job Management Partner 1/Automatic Job Management System 3 System Design (Work Tasks) Guide*.

Example: *Job Management Partner 1/Automatic Job Management System 3 System Design (Work Tasks) Guide*

In references to the JP1/Base manual, this manual uses *JP1/Base User's Guide* in place of *JP1 Version 11 JP1/Base User's Guide*.

Example: *JP1/Base User's Guide*

■ Conventions: Abbreviations for product names

This manual uses the following abbreviations for product names:

Abbreviation		Full name or meaning
HADB	HADB server	Hitachi Advanced Database
	HADB client	Hitachi Advanced Database Client
Linux	Linux	Linux ^(R)
	Red Hat Enterprise Linux Server 6	Red Hat ^(R) Enterprise Linux ^(R) Server 6 (64-bit x86_64)
	Red Hat Enterprise Linux Server 6 (64-bit x86_64)	
	Red Hat Enterprise Linux Server 7	Red Hat ^(R) Enterprise Linux ^(R) Server 7 (64-bit x86_64)
	Red Hat Enterprise Linux Server 7 (64-bit x86_64)	
HDLM		Hitachi Dynamic Link Manager Software
JP1/AJS3		Job Management Partner 1/Automatic Job Management System 3
JP1/Audit		JP1/Audit Management - Manager
Red Hat Enterprise Linux Server 6 (64-bit x86_64)		Red Hat ^(R) Enterprise Linux ^(R) Server 6 (64-bit x86_64)

Abbreviation	Full name or meaning
Red Hat Enterprise Linux Server 7 (64-bit x86_64)	Red Hat ^(R) Enterprise Linux ^(R) Server 7 (64-bit x86_64)

■ Conventions: Acronyms

This manual also uses the following acronyms:

Acronym	Full name or meaning
APD	Application Parameter Descriptor
API	Application Programming Interface
ARD	Application Row Descriptor
BI	Business Intelligence
BLOB	Binary Large Object
BNF	Backus-Naur Form
BOM	Byte Order Mark
CLI	Call Level Interface
CLOB	Character Large Object
CPU	Central Processing Unit
CSV	Character-Separated Values
DB	Database
DBMS	Database Management System
DMMP	Device Mapper Multipath
DNS	Domain Name System
ER	Entity Relationship
HBA	Host Bus Adapter
ID	Identification number
IEF	Integrity Enhancement Facility
IP	Internet Protocol
IPD	Implementation Parameter Descriptor
IRD	Implementation Row Descriptor
JAR	Java Archive File
JDBC	Java Database Connectivity
JDK	Java Developer's Kit
JNDI	Java Naming and Directory Interface
JRE	Java Runtime Environment
JTA	Java Transaction API

Acronym	Full name or meaning
LOB	Large Object
LRU	Least Recently Used
LV	Logical Volume
LVM	Logical Volume Manager
MSDN	Microsoft Developer Network
NFS	Network File System
NIC	Network Interface Card
NTP	Network Time Protocol
ODBC	Open Database Connectivity
OS	Operating System
PP	Program Product
RAID	Redundant Array of Independent Disks
RDBMS	Relational Database Management System
TLB	Translation Lookaside Buffer
URL	Uniform Resource Locator
VG	Volume Group
WWN	World Wide Name

■ Conventions: Fonts and symbols

The following table explains the fonts used in this manual:

Font	Convention
Bold	Bold type indicates text on a window, other than the window title. Such text includes menus, menu options, buttons, radio box options, or explanatory labels. For example: <ul style="list-style-type: none"> From the File menu, choose Open. Click the Cancel button. In the Enter name entry box, type your name.
<i>Italics</i>	<i>Italics</i> are used to indicate a placeholder for some actual text to be provided by the user or system. For example: <ul style="list-style-type: none"> Write the command as follows: <code>copy source-file target-file</code> The following message appears: <code>A file was not found. (file =file-name)</code> <i>Italics</i> are also used for emphasis. For example: <ul style="list-style-type: none"> Do not delete the configuration file.
Code font	A code font indicates text that the user enters without change, or text (such as messages) output by the system. For example: <ul style="list-style-type: none"> At the prompt, enter <code>dir</code>. Use the <code>send</code> command to send mail. The following message is displayed:

Font	Convention
	The password is incorrect.

■ Conventions: Path names

- \$INSTDIR is used to indicate the server directory path (for installation).
- \$ADBDIR is used to indicate the server directory path (for operation).
- \$DBDIR is used to indicate the DB directory path.
- %ADBCLTDIR% (for a Windows HADB client) or \$ADBCLTDIR (for a Linux HADB client) is used to indicate the client directory path.
- %ADBODBTRCPATH% is used to indicate the folder path where HADB's ODBC driver trace files are stored.

■ Conventions: Method abbreviations

- This manual uses "getXXX method" to represent any method whose name begins with get.
- This manual uses the "setXXX method" to represent any method whose name begins with set.

■ Conventions: Symbols used in mathematical formulas

The following table explains special symbols used by this manual in mathematical formulas:

Symbol	Meaning
↑↑	Round up the result to the next integer. Example: The result of $\lceil 34 \div 3 \rceil$ is 12.
↓↓	Discard digits following the decimal point. Example: The result of $\lfloor 34 \div 3 \rfloor$ is 11.
MAX	Select the largest value as the result. Example: The result of MAX(3×6 , $4 + 7$) is 18.
MIN	Select the smallest value as the result. Example: The result of MIN(3×6 , $4 + 7$) is 11.

■ Conventions: Symbols used in message text

The table below explains the symbols used by this manual in message text.

Example of message text:

```
Usage: adbinfoget {-m | -o <output-directory>} [-f <core-file>]
```

Symbol	Meaning
{ }	Curly brackets indicate that only one of the enclosed items is to be selected. In the above example, either -m or -o option can be selected.
<>	Angle brackets indicate that the enclosed item is an argument, such as an option argument or a command argument, that is specified in a command.

Symbol	Meaning
[]	Square brackets indicate that the enclosed item or items are optional. In the above example, the <code>-f</code> option can be omitted.

■ Conventions: KB, MB, GB, TB, PB, and EB

This manual uses the following conventions:

- 1 KB (kilobyte) is 1,024 bytes.
- 1 MB (megabyte) is 1,024² bytes.
- 1 GB (gigabyte) is 1,024³ bytes.
- 1 TB (terabyte) is 1,024⁴ bytes.
- 1 PB (petabyte) is 1,024⁵ bytes.
- 1 EB (exabyte) is 1,024⁶ bytes.

■ Conventions: Version numbers

The version numbers of Hitachi program products are usually written as two sets of two digits each, separated by a hyphen. For example:

- Version 1.00 (or 1.0) is written as 01-00.
- Version 2.05 is written as 02-05.
- Version 2.50 (or 2.5) is written as 02-50.
- Version 12.25 is written as 12-25.

The version number might be shown on the spine of a manual as *Ver. 2.00*, but the same version number would be written in the program as *02-00*.

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1

Message Format and Output Locations

This chapter explains the locations to which HADB outputs messages. It also explains the format in which messages are output, how to interpret them, the relationship between message IDs and SQLCODEs, and query position numbers.

1.1 Message output locations

HADB outputs messages to the following locations:

- Standard output
- Standard error output
- Message log files
- syslog file
- SQLException
- ODBC diagnostic information

Different messages are output to different locations.

For details about the destination of each message, see [2.8 List of message output locations](#).

The description of each message also contains the message output locations. For details about where message output locations are indicated, see [1.3 Interpreting messages](#).

1.1.1 Standard output

Information and query messages are output to standard output. With regard to messages KFAA30000 to KFAA39999, however, there might be additional types of messages that are output to standard output. Messages KFAA96400 to KFAA96499 might not be output to standard output if the `adbsql` command is started with the `-s` option specified.

Some of the messages that are output to standard output might be output to a message log file, depending on when and for what reason they are output.

1.1.2 Standard error output

Error and warning messages are output to standard error output. With regard to messages KFAA30000 to KFAA39999, however, there might be additional types of messages that are output to standard error output.

Some of the messages that are output to standard error output might be output to a message log file, depending on when and for what reason they are output.

1.1.3 Message log files

HADB messages are output as message logs to a message log file.

Four message log files each are created for the HADB server and the HADB client. When output of message logs causes a message log file to reach its maximum capacity, the message log destination switches to another message log file. The maximum capacity of a message log file is the value specified in the environment variable `ADBMSGLOGSIZE`.

The message log files created for the HADB server and HADB client are shown below. The `XX` in each file name represents a number between 01 and 04.

- For the HADB server (server message log files)
ADBDIR/spool/adbmessageXX.log
- For the HADB client (client message log files)
 - %ADBCLTDIR%\spool\adbmessagecltXX.log (Windows edition of HADB client)
 - \$ADBCLTDIR/spool/adbmessagecltXX.log (Linux edition of HADB client)

Use a text editor or similar tool to access messages in the message log files.

1.1.4 syslog file

Messages such as those containing HADB error information, transaction information, and system file information are output to syslog.

The output location is defined by `/etc/syslog.conf`.

You can specify the output level of the messages output to syslog in the environment variable `ADBSYSLOGLV`. For example, you can choose to output only high priority messages, or you can output all messages.

For more information on environment variable `ADBSYSLOGLV`, see *Setting environment variables* in *Building a System* in the *HADB Setup and Operation Guide*.

For details about the output level of each message, see [2.8 List of message output locations](#).

1.1.5 SQLException

`SQLException` is an `SQLException` object that stores the HADB JDBC driver's errors. You can obtain the details of an error by using a method of the `SQLException` interface such as `getMessage()`. The HADB JDBC driver's errors are also output to the Exception trace log. For details about the Exception trace log, see *Exception trace log* in the *HADB Application Development Guide*.

1.1.6 ODBC diagnostic information

The ODBC diagnostic information is a diagnostic data structure for storing the HADB ODBC driver's errors. For details about acquiring the ODBC diagnostic information, see `SQLGetDiagField`, `SQLGetDiagFieldW`, `SQLGetDiagRec`, `SQLGetDiagRecW`, and *Troubleshooting* in the *HADB Application Development Guide*.

1.2 Message output format

HADB outputs messages in the following format.

KFAAnnnnn-Y message-text

KFAAnnnnn: This is the HADB message ID.

Y: Message type (explained below.)

Table 1-1: Types of messages

Message type	Definition
E	Indicates an error message. These messages are output when HADB processing does not execute correctly. They are also output when processing cannot be executed because there are errors in the specifications of environment settings, definitions, or commands.
W	Indicates a warning message. Outputs the status of resource usage as a warning message. A warning message is also output when the specification for a definition or command is incorrect, but processing has continued with a default value.
I	Indicates an information message. These are messages other than the E and W messages above that simply report operations (such as startup, termination, or command execution). They are output when processing starts, terminates, and so on.
Q	Indicates a query message. When this type of message is output, the system waits for a response from the user.

Note that when messages are output to a message log file or syslog, they are output with additional information such as process IDs. The format in which messages are output to message log files or syslog is as follows.

- **Message format for output to a message log file**

yyyy/mm/dd hh:mm:ss AA...AA BB...BB CC...CC DD KFAAnnnnn-Y message-text

The following additional information is also output:

- *yyyy/mm/dd*: Year/month/date (10 characters)
- *hh:mm:ss*: Hours:minutes:seconds (8 characters)
- *AA....AA*: Local process ID (10 numeric characters)
- *BB....BB*: Real thread ID (10 numeric characters)
- *CC....CC*: Client process ID (10 numeric characters)

Note that for messages output in the following cases, 0 is output:

- When a connection for processing was established from an HADB client that uses a JDBC driver
- When no connection has been established
- When processing is unrelated to the connection
- When the message is output from an HADB client or a command process[#]
- *DD....DD*: Connection sequence number (10 numeric characters)

Note that for messages output in the following cases, 0 is output:

- When no connection has been established
- When processing is unrelated to the connection
- When the message is output from an HADB client or a command process[#]

For messages output by processing of the updated-row columnizing facility, 9999000001 is output in the connection sequence number.

#

Excluding messages that are output from the server process while a command that connects to the HADB server is establishing a connection to the HADB server.

For details about the commands that connect to the HADB server, see *List of commands* in *List of Commands and Common Rules* in the manual *HADB Command Reference*.

- **Message format for output to syslog**

<i>AA....AA BB....BB CC....CC DD KFAAnnnnn-Y message-text</i>

The following additional information is also output:

- *AA....AA*: Local process ID (10 numeric characters)
- *BB....BB*: Real thread ID (10 numeric characters)
- *CC....CC*: Client process ID (10 numeric characters)

Note that for messages output in the following cases, 0 is output:

- When a connection for processing was established from an HADB client that uses a JDBC driver
- When no connection has been established
- When processing is unrelated to the connection
- When the message is output from an HADB client or a command process[#]

- *DD....DD*: Connection sequence number (10 numeric characters)

Note that for messages output in the following cases, 0 is output:

- When no connection has been established
- When processing is unrelated to the connection
- When the message is output from an HADB client or a command process[#]

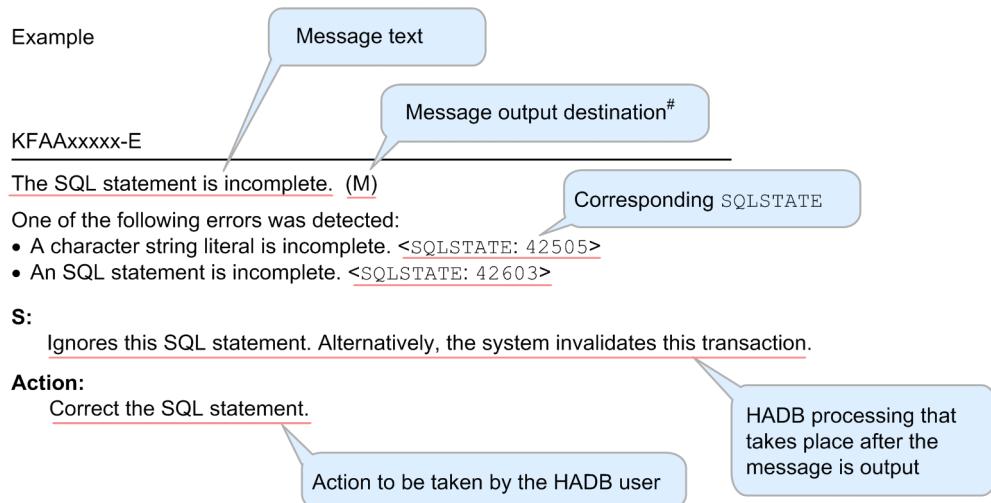
#

Excluding messages that are output from the server process while a command that connects to the HADB server is establishing a connection to the HADB server.

For details about the commands that connect to the HADB server, see *List of commands* in *List of Commands and Common Rules* in the manual *HADB Command Reference*.

1.3 Interpreting messages

This section explains how message information is presented in this manual.



#

The following abbreviations are used to indicate the message output locations:

- S: Standard output
- E: Standard error output
- L: syslog file
- M: Message log file
- J: SQLException
- O: ODBC diagnostic information

If there are multiple destinations, they are indicated with a plus sign (such as M+S).

If the description under Action indicates to contact the customer support center, it means that the HADB administrator is to contact the customer support center noted in the purchase agreement.

1.4 Interpreting SQLCODEs

If an SQLCODE is output, you need to see the corresponding message and take actions as shown in the following table.

Table 1-2: Messages corresponding to SQLCODEs

No.	Format of the output SQLCODE	Corresponding message (message to be checked)
1	<i>nnn</i>	KFAA32 <i>nnn</i> Example: If 100 is indicated for the SQLCODE The corresponding message is the KFAA32100-I message. See the KFAA32100-I message.
2	<i>-nnn</i>	KFAA30 <i>nnn</i> Example: If -204 is indicated for the SQLCODE The corresponding message is the KFAA30204-E message. See the KFAA30204-E message.
3	<i>-1nnn</i>	KFAA31 <i>nnn</i> Example: If -1301 is indicated for the SQLCODE The corresponding message is the KFAA31301-E message. See the KFAA31301-E message.
4	<i>-4nnn</i>	KFAA34 <i>nnn</i> Example: If -4003 is indicated for the SQLCODE The corresponding message is the KFAA34003-E message. See the KFAA34003-E message.
5	<i>-1071nnn</i>	KFAA71 <i>nnn</i> Example: If -1071680 is indicated for the SQLCODE The corresponding message is the KFAA71680-E message. See the KFAA71680-E message.
6	0	KFAA32000-I Example: If 0 is indicated for the SQLCODE The corresponding message is the KFAA32000-I message. See the KFAA32000-I message.

Legend:

n: Integer

1.5 Query position numbers

Query specifications and table value constructors specified in an SQL statement are assigned position numbers starting from 1 in order of specification from the beginning. These numbers are called query position numbers. They might be output in an error message for an SQL statement.

Example:

```
KFAA30202-E Column "C1" is not found in any table. (query number = 2)
```

The above message is output if, for example, the specified column name is invalid. At this time, the query position number is displayed in the underlined part.

For example, if the above message is output when the following SQL statement is executed, this indicates that an error exists in the query specification or table value constructor whose query position number is 2.

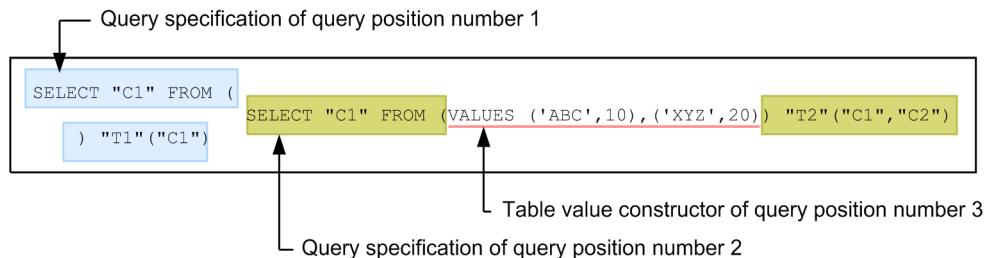
Example of the executed SQL statement

```
SELECT * FROM "T1" WHERE EXISTS (SELECT "C1" FROM "T2")
```

This example indicates that the underlined query specification (the second query specification from the beginning of the statement) is invalid. An error occurred in the SQL statement because table T2 does not contain column C1.

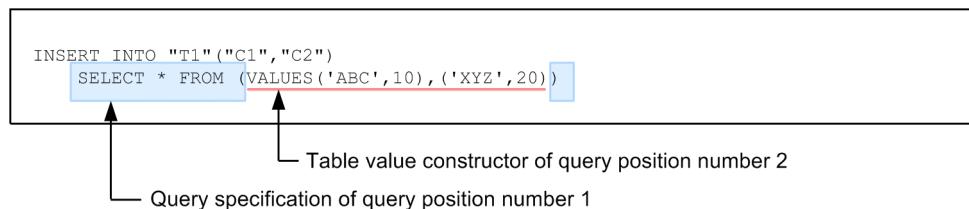
▪ Examples of query position numbers

- For the SELECT statement



- For the INSERT statement (VALUES specified) or PURGE CHUNK statement

The following shows an example of the INSERT statement (VALUES specified). In the case of the PURGE CHUNK statement, inquiry position numbers are also specified in the same manner.



▪ Notes

- If the error is caused by a viewed table, the position number of the query specification designating that viewed table is displayed.

Example:

```
KFAA30323-E The specification of the multiset value expression is invalid.  
(reason = a subquery of a multiset value expression is a correlated subquery,  
query number = 2)
```

Example of the executed SQL statement

```
SELECT * FROM TABLE (ADB_CSVREAD(MULTISET(SELECT "C1" FROM "V1") ,  
                           'COMPRESSION_FORMAT=GZIP;'))  
                     "DT" ("DC1" INT)
```

In this example, the underlined query specification (the second query specification from the start of the statement) is invalid. An error occurred in the SQL statement because a disallowed viewed table (a viewed table that includes an external reference column in a view definition) is specified in a table subquery of a multiset value expression.

- If the invalid part is other than a query specification or table value constructor in an SQL statement, 0 is displayed for the query position number.

(Example)

```
KFAA30117-E The number of insert values is not equal to the number of insert columns.  
(query number = 0)
```

Example of the executed SQL statement

```
INSERT INTO "T1" ("C1") VALUES ('XYZ',100)
```

In this example, an error occurred in the SQL statement because the number of insertion values does not equal the number of insertion columns.

1.6 Notes on messages

- Since HADB processes asynchronously using multiple threads, with some types of processing, the same message might be output numerous times. If this occurs, take the corrective action shown the first time the message is output.
- Because HADB processes asynchronously using multiple threads, messages might not be output to the message log file in timestamp order.
- When a command is executed, an error message beginning with KFAA3 might be output caused by an SQL statement that is executed as an extension of the command.

If an error message beginning with KFAA3 is output during execution of the command, replace the *SQL statement* with the *command* in the description under Action for the output message.

2

Messages

This chapter lists and describes the messages output by HADB.

2.1 Messages from KFAA30000 to KFAA39999

KFAA30101-E

The number of nested operations exceeded 255, or the SQL statement could not be executed because of restrictions on system processing. (M+J+O)

The depth of nesting of the operation exceeded 255. Another possibility is that the SQL statement could not be executed because of a restriction on system processing. <SQLSTATE: 427A0>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement by, for example, reducing the table or column count.

KFAA30102-E

The length of character string literal exceeds 32,000 bytes. (M+J+O)

The length of a character string literal exceeds 32,000 bytes. <SQLSTATE: 42501>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the length of the character string literal to 32,000 bytes or less.

KFAA30103-E

The format of the specified floating-point numeric literal *aa....aa* is invalid. (M+J+O)

The specification format of the floating-point numeric literal is invalid. <SQLSTATE: 42512>

aa....aa:

Invalid floating-point numeric literal

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the specification of the floating-point numeric literal.

KFAA30104-E

There is an unnecessary part "aa....aa" in the SQL statement. (M+J+O)

The SQL statement contains an error such as one of the following:

- A name contains a character that cannot be specified. (such as a character encoding mismatch) <SQLSTATE: 42510>
- A name with a length of 0 exists. <SQLSTATE: 42510>
- The statement contains a character or keyword not allowed by the syntax. <SQLSTATE: 42510>
- The first keyword of the SQL statement is invalid. <SQLSTATE: 42530>
- The only character is a separator character. <SQLSTATE: 42530>
- An extra character string exists after the SQL statement. <SQLSTATE: 42601>

aa....aa: The part of the SQL statement that contains the error.

If there is a character that cannot be specified under the rules, that character and its hexadecimal display are shown in parentheses.

- If the part containing the error cannot be displayed as characters, a question mark (?) is displayed.
- If an SQL statement contains only a separator character, a single-byte space is displayed.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

If all the following conditions are satisfied, the system might determine that the name contains a character that cannot be specified.

- A double-byte character is specified in the SQL statement.
- The character encoding of the SQL statement does not match that of the HADB server.

In this case, make sure that the character encoding of the SQL statement matches that of the HADB server.

Action:

Correct the SQL statement.

KFAA30105-E

Token "aa....aa"(bb....bb), which is after token "cc....cc", is invalid. (M+J+O)

The SQL statement contains a syntax error. <SQLSTATE: 42602>

aa....aa:

Character that does not conform to syntax rules.

bb....bb: Type of *aa....aa*

- non-reserved word: *aa....aa* is not a reserved word.
- reserved word: *aa....aa* is a reserved word.

cc....cc:

Final character that conforms to syntax rules.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

An error such as one of the following might be present. Correct the SQL statement accordingly.

- The SQL statement was not specified according to the syntax rules.
- The clause specification order is invalid.

If *bb....bb* is reserved word, an error such as the following might have occurred:

- A reserved word is specified as an identifier, such as a table name or a column name.

KFAA30106-E

The SQL statement is incomplete. (M+J+O)

One of the following errors was detected:

- A character string literal is incomplete. <SQLSTATE: 42505>
- An SQL statement is incomplete. <SQLSTATE: 42603>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30107-E

The length of identifier "*aa....aa*" exceeds 100 bytes. (M+J+O)

The length of a name exceeds 100 bytes. Another possibility is that a keyword was specified incorrectly. <SQLSTATE: 42520>

aa....aa:

An identifier specified with a name that exceeds 100 bytes

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement. Correct the length of the DB area name to 30 bytes or less.

KFAA30112-E

The argument of *aa....aa* function "*bb....bb*" is invalid. (M+J+O)

The aggregated argument specified in set function *bb....bb* is invalid. Another possibility is that the argument specified in window function *bb....bb* is invalid. <SQLSTATE: 42710>

aa....aa: Type of function

- set: Set function
- window: Window function

bb....bb:

Invalid set function name or window function name

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the aggregated argument in the set function or the argument in the window function.

KFAA30113-E

The set function "*aa....aa*" is specified in argument of set function. (M+J+O)

A set function contains set function *aa....aa* as an argument. <SQLSTATE: 42711>

aa....aa:

Name of set function whose argument is invalid.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the set function argument.

KFAA30114-E

The use of the "*aa....aa*" predicate is invalid. (invalid factor = *bb....bb*, operand number = *c*, query number = *dd....dd*) (M+J+O)

The specification of predicate *aa....aa* is invalid. <SQLSTATE: 42561>

aa....aa: Type of predicate that contains error

- COMPARISON: A comparison predicate
- BETWEEN: A BETWEEN predicate
- QUANTIFIED: Quantified predicate

bb....bb: Description of error

- OPERAND: An option specification is invalid.
- COMBINATION: A combination of options is invalid.
- DATA TYPE: A data type is invalid.

c: Position number of the invalid value expression

Displayed when *bb....bb* is OPERAND. Otherwise, * is displayed.

Every value expression specified in the predicate *aa....aa* is assigned a position number by order of specification, starting from 1. The position number of the invalid value expression is displayed in place of *c*. For example, if *aa....aa* is BETWEEN and *c* is 2, there is an error in the specification of the second value expression from the start of the BETWEEN predicate.

dd....dd: Position number of the query that specified predicate *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30117-E

The number of *aa....aa* is not equal to the number of *bb....bb*. (query number = *cc....cc*) (M+J+O)

The number of *aa....aa* is not equal to the number of *bb....bb*. <SQLSTATE:42720>

aa....aa:

- *insert values*: Insertion values
- *derived column list*: A derived column list
- "WITH" column list: A WITH column list

bb....bb:

- *insert columns*: Insertion columns
- *derived columns*: Derived columns

cc....cc: Position number of the query that specified the derived column list

For details about query position numbers, see [1.5 Query position numbers](#).

If the error did not occur in a derived column list, the position number of the query will be 0.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30118-E

Table "*aa....aa*" to be updated is specified as a table from which data is to be retrieved. (M+J+O)

The table to be updated *aa....aa* cannot be specified as a table from which data is to be retrieved. <SQLSTATE: 42793>

aa....aa:

Table identifier

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30119-E

In a query using a GROUP BY clause or a set function specification, the column "aa....aa" specified in a select expression, a HAVING clause or an ORDER BY clause must be specified as an argument of the GROUP BY clause or the set function. (query number = bb....bb, cc....cc) (M+J+O)

In a query using a GROUP BY clause or set function specification, column *aa....aa* specified in a selection expression, HAVING clause, or ORDER BY clause must be specified as an argument of the GROUP BY clause or set function.

<SQLSTATE: 42746>

aa....aa: Name of the column with the invalid column specification

Note that *** is displayed when no column name can be output.

bb....bb:

Position number of the query that specified column *aa....aa*[#]

cc....cc:

Position number of the query specification that has the referenced table in its FROM clause[#]

#

For details about query position numbers, see 1.5 Query position numbers.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

If this message is output in either of the following cases, take the corrective action described under Procedure.

- The ALTER VIEW statement is executed.
- A viewed table is re-created during version upgrading of the HADB server.

For details, see *Re-creation of viewed tables in the event of a version upgrade* in *Notes on version upgrading* in the *HADB Setup and Operation Guide*.

Procedure

1. Check viewed table definition information.

Check the CREATE VIEW statement that was used when the target viewed table was defined. You can acquire viewed table definition information by searching a dictionary table. For details about examples of searching the dictionary table, see *Finding out viewed table definition information* in *Searching a dictionary table* in the *HADB Setup and Operation Guide*.

2. Delete the viewed table.

Delete the target viewed table by using the DROP VIEW statement.

2. Messages

3. Correct the information specified in the CREATE VIEW statement.

Correct the information specified in the CREATE VIEW statement you checked in step 1.

4. Redefine the viewed table by using the CREATE VIEW statement.

Use the CREATE VIEW statement you corrected in step 3 to redefine the viewed table deleted in step 2.

If this message is output because an asterisk (*) is specified in the selection expression for the query specification in the CREATE VIEW statement, do not specify the asterisk (*). Correct the information specified in the CREATE VIEW statement to explicitly specify the column name in the selection expression for the query specification.

KFAA30120-E

A aa....aa function "bb....bb" cannot be specified in the cc....cc. (query number = dd....dd, ee....ee) (M+J+O)

Set function bb....bb cannot be specified in cc....cc. Another possibility is that window function bb....bb cannot be specified in cc....cc. <SQLSTATE: 42714>

aa....aa: Type of function

- set: Set function
- window: Window function

bb....bb:

Function name

cc....cc: Name of the clause or statement in which aa....aa is specified

- "WHERE" clause: A WHERE clause
- update value: Update value specified in an UPDATE statement
- insert value: Insertion value specified in an INSERT statement
- "FROM" clause: Search condition of joined tables in a FROM clause
- "ORDER BY" clause: ORDER BY clause
- "GROUP BY" clause: GROUP BY clause
- "HAVING" clause: HAVING clause
- sort specification: Sort specification

dd....dd:

Position number of the query specification in which the table referenced by the aggregated column specification in aa....aa is specified as the FROM clause[#]

ee....ee:

Position number of the query specification that specified aa....aa[#]

#

For details about query position numbers, see 1.5 Query position numbers.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30121-E

The update columns or insert columns are duplicated. (M+J+O)

An update column or insertion column is duplicated. <SQLSTATE: 42731>

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30122-E

The number of *aa....aa* in *bb....bb* exceeds *cc....cc*. (M+J+O)

One of the following clauses is invalid:

- GROUP BY clause <SQLSTATE: 425B2>
The number of grouping columns specified in a GROUP BY clause exceeds the maximum allowed value.
- Window partition clause <SQLSTATE: 425BG>
The number of value expressions specified in a window partition clause exceeds the maximum allowed value.

aa....aa: Element that exceeds the maximum allowed value

- grouping columns: Grouping column
- value expressions: Value expression

bb....bb: Invalid clause

- "GROUP BY" clause: GROUP BY clause
- "window partition" clause: Window partition clause

cc....cc: Maximum allowed value

- 16: Maximum number of value expressions allowed in a window partition clause
- 64: Maximum number of grouping columns allowed in a GROUP BY clause

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Reduce the number of grouping columns specified in the GROUP BY clause. Alternatively, reduce the number of value expressions specified in the window partition clause.

KFAA30123-E

Column "aa....aa" specified in *bb....bb* is duplicated. (M+J+O)

The column *aa....aa* specified in *bb....bb* is duplicated. <SQLSTATE: 42732>

aa....aa:

Column name

bb....bb: Location where column *aa....aa* is specified

- "GROUP BY" clause: The GROUP BY clause
- derived table: A derived table
- table function column list: Table function column list
- query name: A query name
- "window partition" clause: Window partition clause
- "window order" clause: Window order clause

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30124-E

The number of sort keys in *aa....aa* exceeds 64. (M+J+O)

The number of sort keys specified in *aa....aa* exceeds 64. <SQLSTATE: 425B3>

aa....aa: Clause that exceeds the maximum number of sort keys allowed

- "ORDER BY" clause: ORDER BY clause
- "window order" clause: Window order clause
- "within group specification": WITHIN group specification

S:

Ignores this SQL statement.

Action:

Reduce the number of sort keys to 64 or fewer.

KFAA30125-E

The sort item specification number (*aa....aa*) in the "ORDER BY" clause is invalid. (M+J+O)

The sort item specification number specified in the ORDER BY clause is invalid. <SQLSTATE: 42743>

aa....aa:

Invalid sort item specification number

S:

Ignores this SQL statement.

Action:

Correct the sort item specification number displayed as *aa....aa*. The permitted range of sort item specification numbers is from 1 to the number of columns in the table that is derived from the query expression body.

KFAA30126-E

Sort item specification numbers cannot be specified for "ROW". (M+J+O)

Sort item specification numbers for ROW cannot be specified. <SQLSTATE: 427HD>

S:

Ignores this SQL statement.

Action:

Correct the sort item specification number specified in the ORDER BY clause.

KFAA30127-E

"DISTINCT" is specified more than once in a query specification. (reason = *aa....aa*, query number = *bb....bb*) (M +J+O)

DISTINCT cannot be specified more than once in a single query specification.

aa....aa: Cause of the error

- SELECT DISTINCT: The SELECT DISTINCT and DISTINCT set functions are both specified. <SQLSTATE: 42716>
- different column name: Multiple DISTINCT set functions containing different column names in the arguments are specified. <SQLSTATE: 42717>
- value expression: Another DISTINCT set function is specified in addition to the DISTINCT set function specified in the value expression of an argument. <SQLSTATE: 42718>

bb....bb: Position number of the query that specified DISTINCT

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30129-E

The specified number *aa....aa* exceeds the maximum of *bb....bb*. (M+J+O)

A specification has exceeded its maximum number.

aa....aa:

Specification that exceeded its maximum number

Value of aa....aa	Meaning	SQLSTATE
parameters	Dynamic parameters	425A0
parameters of COALESCE function	Target data specified in the COALESCE scalar function	425A0
parameters of DECODE function	Arguments specified in the DECODE scalar function	425A0
parameters of GREATEST function	Target data specified in the GREATEST scalar function	425A0
parameters of LEAST function	Target data specified in the LEAST scalar function	425A0
parameters of LTDECODE function	Arguments specified in the LTDECODE scalar function	425A0
when	WHEN	425A4
row value constructor elements	Row value constructor elements in a row value constructor	425A6
row value constructors	Row value constructors in a table value constructor	425A7
parameters of system-defined function	Arguments specified in a system definition function	425A8
multiset elements	Number of multiset elements	425A9
query specifications	Query specifications and table value constructors	425AA
columns in table function column list	Column name in a table function column list	425AI
select tables	Tables specified in the FROM clause of a query specification (including those in view definitions)	425B0
tables	Tables specified in an SQL statement	425B0
select columns	Columns to be derived by a query specification	425B1
insert values	Insertion values specified in an INSERT statement	425B5
insert columns	Insertion columns specified in an INSERT statement	425B6
update columns	Update columns specified in an UPDATE statement	425B7
derived columns	Columns specified in a derived columns list	425BB
with columns	Columns in WITH clauses	425BC
DISTINCT set functions	DISTINCT set function specified in a query specification as a set function	425BJ
view columns	Columns in view definitions	425C1
foreign keys	Foreign keys	425C2
authorization identifier	Authorization identifier specified in the SQL statement	425CA
value expression	Value expressions	425CF
nests of value expression	Levels of nested value expressions	425CG
nests of subquery	Nested subqueries	425CH

bb....bb:

Maximum that can be specified

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the number of *aa....aa* to *bb....bb* or less.

- If you specify viewed tables or query names, apply the internal derived table corresponding to each specification, and then calculate the maximum number of specifications.
- If you specify archivable multi-chunk tables, calculate the maximum number of specifications based on the SQL statement that has been converted to a derived table by equivalent exchange.

For details about equivalent exchange of archivable multi-chunk tables, see *Equivalent exchange of SQL statements that search archivable multi-chunk tables* in the *HADB Application Development Guide*.

If this message is output in either of the following cases, take the corrective action described under Procedure.

- The `ALTER VIEW` statement is executed.
- A viewed table is re-created during version upgrading of the HADB server.

For details, see *Re-creation of viewed tables in the event of a version upgrade* in *Notes on version upgrading* in the *HADB Setup and Operation Guide*.

Procedure

1. Check viewed table definition information.

Check the `CREATE VIEW` statement that was used when the target viewed table was defined. You can acquire viewed table definition information by searching a dictionary table. For details about examples of searching the dictionary table, see *Finding out viewed table definition information* in *Searching a dictionary table* in the *HADB Setup and Operation Guide*.

2. Delete the viewed table.

Delete the target viewed table by using the `DROP VIEW` statement.

3. Correct the information specified in the `CREATE VIEW` statement.

Correct the information specified in the `CREATE VIEW` statement you checked in step 1.

4. Redefine the viewed table by using the `CREATE VIEW` statement.

Use the `CREATE VIEW` statement you corrected in step 3 to redefine the viewed table deleted in step 2.

If this message is output because an asterisk (*) is specified in the selection expression for the query specification in the `CREATE VIEW` statement, do not specify the asterisk (*). Correct the information specified in the `CREATE VIEW` statement to explicitly specify the column name in the selection expression for the query specification.

KFAA30131-E

The precision of the decimal number for the seconds for *aa....aa* is invalid. (M+J+O)

The fractional seconds precision *aa....aa* that was specified is invalid. <SQLSTATE: 42591>

aa....aa: Datetime information acquisition function in which the error occurred

- `CURRENT_TIME`
- `CURRENT_TIMESTAMP`

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the specification for the fractional seconds precision.

KFAA30137-E

The number of values in the IN predicate exceeds 30,000. (M+J+O)

The number of value expressions specified in an IN predicate has exceeded the upper limit of 30,000. <SQLSTATE: 427A2>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30142-E

The national character identifier is invalid. (M+J+O)

The following syntax error was found in the identifier specified for the national character set: <SQLSTATE: 42532>

- A double-byte space character was used.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30144-E

The specification for *aa....aa* is invalid. (M+J+O)

The specification for *aa....aa* is invalid. <SQLSTATE: 42509>

aa....aa: Type of binary literal

- **binary**: Binary literal in binary format
- **hex**: Binary literal in hexadecimal format

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the error.

For binary literals in binary format:

- The number of binary characters specified in a binary-format binary literal is not a multiple of 8.
- The binary characters specified in a binary-format binary literal include a character that is not 0 or 1.

For binary literals in hexadecimal format:

- The number of hexadecimal characters specified in a hexadecimal-format binary literal is not a multiple of 2.
- The hexadecimal characters specified in a hexadecimal-format binary literal include a character that is not 0 to 9, A to F or a to f.

KFAA30145-E

The length of *aa....aa* exceeds *bb....bb* bytes. (M+J+O)

aa....aa is more than *bb....bb* bytes long. <SQLSTATE: 42502>

aa....aa: Type of binary literal

- `binary`: Binary-format binary literal
- `hex`: Hexadecimal-format binary literal

bb....bb: Maximum length of literal

- 256000: Maximum length of binary-format binary literal
- 64000: Maximum length of hexadecimal-format binary literal

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30149-E

"ROW" is used incorrectly. (M+J+O)

The way `ROW` is specified contains one of the following errors. <SQLSTATE:42572>

- `ROW` was specified in a query that specified a set function.
- `ROW` was specified in a query that specified a window function.
- `ROW` was specified in a query that specified `DISTINCT`.
- Something other than a dynamic parameter was specified in the insertion value or update value for `ROW`.
- `ROW` was specified in an expression other than the selection expression in the outermost query specification.
- `ROW` was specified in a query expression in the viewed table.
- In a joined table specification, `ROW` was specified for a table for which the null value is specified.
- `ROW` was specified in a query expression body in a `WITH` clause.
- `ROW` was specified in a query that specifies a set operation.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30154-E

A subquery is specified for the *aa....aa*. (query number = *bb....bb*) (M+J+O)

A subquery was specified at *aa....aa*. <SQLSTATE: 42715>

aa....aa: Position where subqueries cannot be specified

- "GROUP BY" clause: GROUP BY clause
- set function: Set function
- window function: Window function
- "ON" search conditions of "FULL OUTER JOIN": ON search conditions of joined tables that specified FULL OUTER JOIN

bb....bb: Position number of the query that specified the subquery

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30166-E

The *aa....aa* in the *bb....bb* is incorrect. (reason = *cc....cc*) (M+J+O)

The SQL statement specification contains one of the following errors.

- The sort key specified in the ORDER BY clause contains one of the following errors:
 - The name of a derived column (excluding a derived column that consists of a column specification only) is specified in the value expression. Alternatively, the derived column name that is derived by a set operation is specified in the value expression (even a derived column consisting of only column specifications cannot be specified).<SQLSTATE:427HC>
- The window partition clause contains the following error:
 - The value expression contains no column specification. <SQLSTATE: 427HA>

aa....aa: Invalid specification

- sort key: Sort key
- value expression: Value expression

bb....bb: Invalid clause

- "ORDER BY" clause: ORDER BY clause
- "window partition" clause: Window partition clause

cc....cc: Cause of the error

- not specified column: The value expression contains no column specification.
- specified by the derived column: The name of a derived column is specified in the value expression.

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30177-E

The system-defined function "*aa....aa*" is invalid. (reason = *bb....bb*, query number = *cc....cc*) (M+J+O)

The specification of system-defined function *aa....aa* is invalid.

aa....aa:

System-defined function name, or schema identifier and system-defined function name

bb....bb: Cause of the error

- number of arguments is incorrect: The number of arguments specified in the system-defined function is invalid. <SQLSTATE: 4277E>
- argument data type is incorrect: The data type of the argument specified in the system-defined function is invalid. <SQLSTATE: 4277F>
- argument value is incorrect: The value of the argument specified in the system-defined function is invalid. <SQLSTATE: 4277G>
- function name is incorrect: The specified system-defined function name is invalid. <SQLSTATE:42786>

cc....cc: Query position number

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30192-E

Multiple selection expression are specified for the subquery. (query number = *aa....aa*) (M+J+O)

Two or more selection expressions have been specified for a retrieval item. <SQLSTATE: 42722>

aa....aa: Position number of the query that contains the subquery that specifies two or more retrieval items

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement so that there is a single retrieval item.

KFAA30194-E

The *aa....aa* cannot be specified in the "ORDER BY" clause for the query that used the *bb....bb*. (M+J+O)

aa....aa cannot be specified in the ORDER BY clause for a query in which *bb....bb* is specified.

One of the following errors occurred:

- For a query that uses a set operation, a column name qualified in the table specification cannot be specified as a sort key. <SQLSTATE: 427B2>
- For a query that uses a set operation, no value expression can be specified in the ORDER BY clause. <SQLSTATE: 427B6>
- For a query that specifies SELECT DISTINCT, no value expression can be specified in the ORDER BY clause. <SQLSTATE: 427HE>

aa....aa: Sort key specification in the ORDER BY clause

- qualified column name: Column name qualified in the table specification
- value expression: Value expression

bb....bb: Constituent element specified in the query that is incompatible with *aa....aa*

- "SET OPERATION": Set operation
- "SELECT DISTINCT": SELECT DISTINCT

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30195-E

The derived tables for a set operation must have the same number of columns. (M+J+O)

In a specified set operation, the tables derived from individual query expression bodies do not have the same number of columns. <SQLSTATE: 42721>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement so that the tables derived from individual query expression bodies have the same number of columns. For details, see *Rules for set operations* in *Rules in Specification format and rules for query expressions* in the manual *HADB SQL Reference*.

KFAA30197-E

The data types of the *aa....aa* specified in the *bb....bb* are not compatible. (list number = *cc....cc*, query number = *dd....dd*) (M+J+O)

The data types of *aa....aa* specified in *bb....bb* are not compatible. <SQLSTATE: 42804>

aa....aa: Location of error

- derived columns for each query: Derived columns for each query
- element for each row value constructor: Row value constructor element for each row value constructor

bb....bb: Corresponding item

- set operation: Set operation
- table value constructor: Table value constructor

cc....cc: List number resulting in an error

- If *bb....bb* is set operation: List number of the selection list for the derived table
- If *bb....bb* is table value constructor: Number indicating the position where the relevant row value constructor element is specified

dd....dd: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

- If *aa....aa* is derived columns for each query
Correct the SQL statement so that the data types indicated in *aa....aa* are compatible.
- If *aa....aa* is element for each row value constructor
The data type of the i-th row value constructor element in each row value constructor is not comparable. Correct the specified row value constructors. For details, see *Rules in Specification format and rules for table value constructors* in the manual *HADB SQL Reference*.

KFAA30201-E

The table specification qualifying the column name is not a valid name in an SQL statement. The invalid qualifier is "*aa....aa*".*"bb....bb"* or "*cc....cc*". (query number = *dd....dd*) (M+J+O)

The qualifying table specification contains a name that is not valid to specify in an SQL statement. <SQLSTATE: 42740>

aa....aa:

The identifier specified within the table specification, or the default schema name

bb....bb:

Table identifier, correlation name, or query name

cc....cc:

Table identifier, correlation name, or query name

dd....dd: Position number of the query that specified the invalid identifier

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30202-E

Column "aa....aa" is not found in any table. (query number = bb....bb) (M+J+O)

The specified column *aa....aa* does not exist in any table of the SQL statement or query specification. Another possibility is that the name is invalid. <SQLSTATE: 42742>

aa....aa:

Column specified in an SQL statement

bb....bb: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

If this message is output as a result of executing the `ALTER VIEW` statement, see *When viewed tables are invalidated by using the ALTER VIEW statement to rebuild a viewed table that is the underlying table of those viewed tables in Releasing a viewed table from invalidation* in the *HADB Setup and Operation Guide*.

KFAA30203-E

Column "aa....aa" cannot be determined in the SQL statement. (query number = bb....bb) (M+J+O)

The specified column *aa....aa* cannot be identified as the name of a column in a specific table. Two or more tables specified in a query have the same column name. <SQLSTATE: 42744>

aa....aa:

Column name that belongs to two or more tables specified in the query

bb....bb: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Qualify the column name with a table name so that the column name can be identified as belonging to a specific table.

KFAA30204-E

The table or index "*aa....aa*".*bb....bb*" is not found in the system. (M+J+O)

The specified table or index has not been defined. <SQLSTATE: 42741>

aa....aa:

Schema name

bb....bb:

Table or index identifier

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

If this message is output when the ALTER VIEW statement is executed, see *When viewed tables are invalidated due to erroneous deletion of a table* in *Releasing a viewed table from invalidation* in the *HADB Setup and Operation Guide*.

KFAA30205-E

The "*aa....aa*" column does not exist in the "*bb....bb*".*cc....cc*" table, the correlation name, or the query "*dd....dd*". (M+J+O)

Column *aa....aa* was not found in table *bb....bb.cc....cc*, a correlation name, or a query *dd....dd*. <SQLSTATE: 42742>

aa....aa:

Column name

bb....bb:

Schema name

cc....cc:

Table identifier, correlation name, or query name

dd....dd:

Table identifier, correlation name, or query name

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

If this message is output when the ALTER VIEW statement is executed, see *When viewed tables are invalidated by using the ALTER VIEW statement to rebuild a viewed table that is the underlying table of those viewed tables* in *Releasing a viewed table from invalidation* in the *HADB Setup and Operation Guide*.

KFAA30206-E

aa....aa is specified as the table name in the "*bb....bb*" statement. (M+J+O)

An SQL statement contains an error similar to the following: <SQLSTATE:42101>

- A viewed table is specified in the ALTER TABLE statement.
- A base table is specified in the ALTER VIEW statement.
- A viewed table is specified in the CREATE INDEX statement.
- A viewed table is specified in the DROP TABLE statement.
- A base table is specified in the DROP VIEW statement.

aa....aa: Type of table

- A base table: A base table
- A viewed table: A viewed table

bb....bb: The erroneous SQL statement

- ALTER TABLE: Changes a table definition
- ALTER VIEW: Re-creates a viewed table
- CREATE INDEX: Defines an index
- DROP TABLE: Deletes a base table
- DROP VIEW: Deletes a viewed table

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30208-E

The column "*aa....aa*" specified in the ORDER BY clause is not specified as a column in the SELECT clause of the outermost query. (M+J+O)

A column that is not specified in the selection expression cannot be specified in the ORDER BY clause due to one of the following reasons: <SQLSTATE: 42743>

- A SELECT DISTINCT was specified.
- A set operator was specified for the outermost query specification.

aa....aa:

Column name

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30210-E

An attempt was made to set a null value in a column specified as "NOT NULL". (M+J+O)

An attempt was made to set a null value in a column for which null values cannot be set. <SQLSTATE: 23503>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30211-E

The name "aa....aa" is duplicated in a "FROM" clause. (query number = bb....bb) (M+J+O)

The name *aa....aa* is duplicated within a FROM clause. <SQLSTATE: 42730>

aa....aa:

Name

bb....bb: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30213-E

"ROW" applies to more than 1 table in the SQL statement. (M+J+O)

There are two or more corresponding tables in a query with ROW specified. Therefore, in the SQL statement, the table to which ROW corresponds cannot be determined. <SQLSTATE: 42744>

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30214-E

"ROW" cannot be specified. (reason = *aa....aa*) (M+J+O)

You cannot specify ROW for a table that is not a FIX table. <SQLSTATE: 42750>

aa....aa: Item that cannot specify ROW

- non-"FIX" attribute table: Table that is not a FIX table

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30220-E

The column "*aa....aa*" specified in the "ORDER BY" clause is found more than once in the derived table. (M+J+O)

A column specified in an ORDER BY clause is found more than once in a table derived as a result of a query.
<SQLSTATE: 42745>

aa....aa:

Column name specified in the ORDER BY clause

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30229-E

The total memory for execution of this SQL exceeds 2 GB. (M+J+O)

The total memory required to execute this SQL statement exceeds 2 GB. <SQLSTATE: 56006>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Consider one of the following corrective actions:

- If a column with an extremely long definition is specified in an SQL statement, can that column be omitted from the SQL statement? Alternatively, can the definition of that column be shortened?
- Can the number of columns specified in SQL statements be reduced?

KFAA30239-E

For the identifier "aa....aa", there are no target candidates in the valid scope. (query number = bb....bb) (M+J+O)

There are no target candidates for the specified identifier *aa....aa* within the valid range. <SQLSTATE: 42742>

aa....aa:

Invalid identifier

bb....bb: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Check the identifier *aa....aa* specified in the SQL statement.

KFAA30257-E

The *aa....aa* specified in the window function "bb....bb" is invalid. (reason = cc....cc, query number = dd....dd) (M+J+O)

aa....aa specified in window function *bb....bb* is invalid.

aa....aa: Location of error

- "window frame extent": Window frame border
- "window partition" clause: Window partition clause
- "window order" clause: Window order clause
- "window frame value specification": Window frame value specification

bb....bb:

Window function name

cc....cc: Cause of the error

- combination: The combination of the window frame borders for a range specification window frame is invalid. <SQLSTATE: 427G0>
- none "window order" clause: No window order clause is specified. <SQLSTATE: 427G1>
- "sort specification list" number: An invalid number of sort specification lists are specified. <SQLSTATE: 427G2>

- data type of "sort key": The data type of a sort key is invalid. <SQLSTATE: 427G3>
- data type: The data type is invalid in an unsigned value specification. <SQLSTATE: 427G4>
- "labeled duration" specified: The information specified in an unsigned value specification is invalid. <SQLSTATE: 427G4>
- data type of the "partition value": The data type of the value specified in the window partition clause is invalid. <SQLSTATE: 427G5>
- incompatible data type: The data type of a sort key is not compatible with the data type in an unsigned value specification. <SQLSTATE: 4280F>

dd....dd: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30264-E

The window function "aa....aa" is invalid. (reason = *bb....bb*, query number = *cc....cc*) (M+J+O)

Window function *aa....aa* is invalid.

aa....aa:

Window function name

bb....bb: Cause of the error

- none "window order" clause: No window order clause is specified. <SQLSTATE: 427H0>
- specified "window frame" clause: A window frame clause is specified. <SQLSTATE: 427H1>
- specified "window order" clause: A window order clause is specified. <SQLSTATE: 427H2>

cc....cc: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30302-E

The input data is outside the valid range for values of the column data type. (column name = "aa....aa") (M+J+O)

The input data exceeds the range of values permitted for the column's data type. <SQLSTATE: 22003>

aa....aa: The column name that caused the error

If the column name cannot be output, *** is displayed.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Check the data of the substitution source, and correct any errors found.

KFAA30312-E

The total size of *aa....aa* exceeds 2 GB. (M+J+O)

The total length of *aa....aa* exceeds 2 GB. <SQLSTATE: 56001>

aa....aa: Cause

- **dynamic parameters**: The total value of data lengths specified in the dynamic parameters exceeds 2 GB.
- **search results**: The total value of data lengths in the search results exceeds 2 GB.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement using one of the following methods:

- If *aa....aa* is **dynamic parameters**

Reduce the number of dynamic parameters in the SQL statement.

- If *aa....aa* is **search results**

Reduce the search result column count in the SQL statement. If the number of batch-transmission rows when **FETCH** processing is performed is specified with the client definition's `adb_clt_fetch_size` operand, reduce the specified value of the `adb_clt_fetch_size` operand.

KFAA30318-E

An internal contradiction was detected. (information = *aa....aa*) (M+O)

An internal conflict was found. <SQLSTATE: 5C011>

aa....aa:

Used by system

S:

Ignores this SQL statement.

Action:

Restart the application program. If the problem occurs again after the application program is restarted, make a backup of the client message log file, and then contact the customer support center.

KFAA30319-E

SQL processing is already being executed for the same connection. (M+O)

An SQL statement that uses this connection is already being executed. <SQLSTATE: 54202>

S:

Ignores this SQL statement.

Action:

Wait for the SQL statement that is using the connection to terminate, and then re-execute the SQL statement.

KFAA30322-E

An internal contradiction was detected. (information 1 = aa....aa, information 2 = bb....bb, information 3 = cc....cc, information 4 = dd....dd, information 5 = ee....ee, information 6 = ff....ff) Save troubleshooting information by the "adbinfoget" command, and then contact customer service. (M+J+O)

This message is output when an internal conflict is detected. <SQLSTATE:5C011>

aa....aa to *ff....ff*: Troubleshooting information

If no information to display exists, three asterisks (***) are displayed.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Contact an HADB administrator.

The HADB administrator must execute the `adbinfoget` command, collect troubleshooting information, and then contact the customer support center.

After that, re-execute the SQL statement or command.

KFAA30323-E

The specification of the multiset value expression is invalid. (reason = *aa....aa*, query number = *bb....bb*) (M+J+O)

The specified multiset value expression is invalid.

aa....aa: Cause of the error

- a subquery of a multiset value expression is a correlated subquery: An external reference column cannot be specified in a table subquery of a multiset value expression. <SQLSTATE: 42719>
- data types are not all comparable: The data type of data specified for the multiset element is not comparable. <SQLSTATE: 4271A>

bb....bb: Query position number

For details about query position numbers, see 1.5 Query position numbers.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30324-E

The specified argument in the system-defined function "ADB_CSVREAD" is invalid. (argument number = *aa....aa*, option = *bb....bb*, reason = *cc....cc*, query number = *dd....dd*) (M+J+O)

The argument specified in the ADB_CSVREAD function is invalid.

aa....aa:

Position number of the argument

bb....bb: Function option that caused the error

- *compression_format*: Compression format option
- *field_num*: Specification column option
- *binary_string_format*: Binary string format option
- *enclosing_char*: Enclosing character specification option
- *delimiter_char*: Delimiting character specification option
- *****: Items other than the above

cc....cc:

Cause of the error

dd....dd: Query position number

For details about query position numbers, see [1.5 Query position numbers](#).

The following describes the causes of the error.

No.	Value of <i>aa....aa</i>	Value of <i>bb....bb</i>	Value of <i>cc....cc</i>	Cause of the error	SQLSTATE
1	1	***	data type is incorrect	The data type of an element of the multiset value expression specified in the first argument is invalid.	427J0
2	2	***	option format is incorrect	The specification format of the function option is invalid.	427J1
3	2	***	option is duplicated	The function option is specified more than once.	427J2
4	2	<i>compression_format</i>	option is missing	A function option that cannot be omitted is not specified.	427J3
5	2	<i>compression_format</i>	value is incorrect	The value specified in the function option is invalid.	427J4
6	2	<i>field_num</i>			
7	2	<i>binary_string_format</i>			

No.	Value of aa....aa	Value of bb....bb	Value of cc....cc	Cause of the error	SQLSTATE
8	2	enclosing_ch ar			
9	2	delimiter_ch ar			
10	2	field_num	field data number is duplicated	The field data number is specified more than once.	427J5
11	2	binary_strin g_format			
12	2	field_num	over specified num	The number of specified field data numbers exceeds the upper limit.	427J6
13	2	field_num	the number of field_num numbers is not the same as the number of columns in the table function column list	The number of field data numbers is different from the number of columns in the table function column list corresponding to the table function derived table.	427J7
14	2	binary_strin g_format	the value for the binary_string fo rmat option is not specifiable for a field_num option	The field data number specified in the binary string format option is invalid. Select a field data number from those specified in the specification column option.	427J8
15	2	binary_strin g_format	only a number corresponding to a binary data type column can be specified for the field data number	The field data number specified in the binary string format option is invalid. The field data specified for the field data number is not binary type data.	427J9

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30326-E

The length or precision of the data entered for a dynamic parameter (item *aaaa*) is invalid. (M+J+O)

The data that was input for the dynamic parameter has one of the following errors.

- If the input data is a fixed-point number represented as decimal data, the number of decimal digits specified does not match the precision. <SQLSTATE: 22003>
- If the input data is floating-point numeric data, the input data is NaN (not a numeric) or infinity. <SQLSTATE: 22003>

- If the input data is datetime data, the data format is invalid, or the specified datetime does not exist. <SQLSTATE: 22007>
- If the input data is fixed-length character string data, its length is invalid. <SQLSTATE: 22505>
- If the input data is variable-length character string data or variable-length binary data, the length of the input data exceeds the maximum or is less than 0. <SQLSTATE: 22505>
- The input data's indicator value is invalid. <SQLSTATE: 22521>

aaaa:

The order number of the invalid input data

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the input data or its indicator value.

Specify values for the data type and data length that are valid for the dynamic parameters assumed to be in the input data. For details about the data types and data lengths that are valid for dynamic parameters, see *Variables (dynamic parameters)* in the manual *HADB SQL Reference*.

For details about the data formats of input data, see *Data Types* in the manual *HADB SQL Reference*.

For details about the indicator values, see *a_rdb_SQLInd_t(indicator)* in the *HADB Application Development Guide*.

KFAA30361-E

A character string expression specified in a scalar function does not match the specified format. (function name = "aa....aa", position = bb) (M+J+O)

A character string representation used in scalar function "aa....aa" does not match the format specification.
<SQLSTATE: 2250G>

aa....aa:

Scalar function name

bb: Location that does not match

This indicates byte *bb* in the format specification. Byte 1 is the first character that is not a single-byte space in the format specification.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Specify a character string that matches the format specification or correct the format specification.

KFAA30401-E

The data types of both operands specified in predicate "aa....aa" are not compatible. (query number = bb....bb) (M+J+O)

The data types of the results of the value expressions specified in predicate *aa....aa* cannot be compared to each other or converted. <SQLSTATE: 42801>

aa....aa: Type of predicate

- BETWEEN: A BETWEEN predicate
- COMPARISON: A comparison predicate
- IN: An IN predicate
- LIKE: LIKE predicate
- LIKE_REGEX: LIKE_REGEX predicate
- QUANTIFIED: A quantified predicate

bb....bb: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30402-E

The data type of the argument in the aggregate function "*aa....aa*" is invalid. (query number = *bb....bb*) (M+J+O)

The data type of the aggregated argument in set function *aa....aa* is invalid. Another possibility is that the data type of an argument in an inverse distribution function is invalid. <SQLSTATE: 42712>

aa....aa:

Name of set function

bb....bb: Position number of the query that specified the set function

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30403-E

"*aa....aa*".*bb....bb*" cannot be specified for the set function "*cc....cc*". (query number = *dd....dd*) (M+J+O)

"*aa....aa*".*bb....bb*" cannot be specified in set function *cc....cc*. <SQLSTATE: 42713>

aa....aa:

Table identifier, correlation name, or query name

bb....bb:

Column name

cc....cc:

Name of set function

dd....dd: Position number of the query that specified the set function

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30404-E

The input data is longer than the defined column. (column name = "*aa....aa*") (M+J+O)

The input data is longer than the column. <SQLSTATE: 22001>

aa....aa: The column name that caused the error

If the column name cannot be output, *** is displayed.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the substitution source data.

KFAA30405-E

The numeric literal is outside the valid range. (M+J+O)

A numeric literal that is outside the specification range was specified. The range for numeric literal specifications is as follows: <SQLSTATE: 42513>

- Decimal literals: $-(10^{38}-1)$ to -10^{-38} , 0, or 10^{-38} to $(10^{38}-1)$
More than 38 digits were specified.
- Floating-point numeric literals: About -1.7×10^{308} to 1.7×10^{308}
The number of digits specified in the mantissa exceeds 17, or the number of digits specified in the exponent exceeds 3.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the numeric literal specification.

KFAA30406-E

An invalid data type was specified in an operation. (operation = *aa....aa*, query number = *bb....bb*) (M+J+O)

An invalid data type was specified in the operand of an operator. <SQLSTATE: 42802>

aa....aa: Operation type

ARITHMETIC: An arithmetic operation

bb....bb: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30407-E

A data type other than a character string type is specified in the "*aa....aa*" predicate. (query number = *bb....bb*) (M+J+O)

The data type of the value expression specified in the *aa....aa* predicate is not character string data. <SQLSTATE: 42801>

aa....aa: Type of predicate

- LIKE: A LIKE predicate
- LIKE_REGEX: A LIKE_REGEX predicate

bb....bb: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30408-E

The update value or insert value is not compatible with the data type of column "*aa....aa*". (M+J+O)

The data type of the update value or insertion value is not a data type that can be converted. <SQLSTATE: 42803>

aa....aa:

Column name of update column or insertion column

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30410-E

The numeric literal *aa....aa* is invalid. (M+J+O)

The numeric literal that was specified is invalid. <SQLSTATE: 42511>

aa....aa:

Invalid numeric literal

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the numeric literal.

KFAA30411-E

An invalid data type was specified in a concatenation operation. (query number = *aa....aa*) (M+J+O)

An invalid data type was specified in the first or second operand of a concatenation operation. <SQLSTATE: 42802>

aa....aa: Position number of the query that specified the invalid concatenation operation

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the specified concatenation operation.

KFAA30413-E

An invalid data type was specified with an arithmetic operator for the datetime operation. (query number = *aa....aa*) (M+J+O)

A data type that cannot be specified in a datetime operation was specified with an arithmetic operator. <SQLSTATE: 42780>

aa....aa: Position number of the query that specified the invalid datetime operation

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30414-E

Labeled duration can be specified only for the operands of plus or minus operations involving datetime data. (query number = aa....aa) (M+J+O)

Labeled durations can only be specified for the operands of addition and subtraction operations on datetime data.
<SQLSTATE: 42780>

aa....aa: Position number of the query that specified the invalid labeled duration

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30415-E

The method of specifying the labeled duration is invalid. (reason = aa....aa, query number = bb....bb) (M+J+O)

The specification of the labeled duration is invalid.

aa....aa: Cause of the error

- the combination of the datetime data type that is the target of the operation and the labeled duration modifier is invalid: The combination of the datetime data that is the target of the operation and the labeled duration qualifer is invalid.
<SQLSTATE:4278G>
- a left data type of the labeled duration modifier is wrong: The data type of value-expression-primary specified in the labeled duration is invalid. <SQLSTATE:4278H>
- the data type specified for multiplication or division is incorrect: The data type specified for multiplication or division for the labeled duration is invalid. <SQLSTATE:4278I>

bb....bb: Position number of a query that specified an invalid labeled duration qualifer

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30416-E

The character expression for the data type "aa....aa" is invalid. (M+J+O)

A representation that uses a character string is invalid. <SQLSTATE: 22007>

aa....aa: Invalid literal

- DATE: A date literal
- TIME: A time literal
- TIMESTAMP: A time stamp literal

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the data of the representation that uses a character string.

KFAA30417-E

The dynamic parameter cannot be specified in both operands of a comparison predicate or in the left operand of other predicates. (query number = *aa....aa*) (M+J+O)

One of the following errors is found. <SQLSTATE:42770>

- A dynamic parameter has been specified on both sides of a comparison predicate.
- A dynamic parameter has been specified in a value expression on the left side of a predicate.

aa....aa: Position number of the query that specified the dynamic parameter

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30418-E

The dynamic parameter cannot be specified in *aa....aa*. (M+J+O)

A dynamic parameter cannot be specified in *aa....aa*. <SQLSTATE: 42550>

aa....aa: Invalid specification

- a selection expression: Selection expression
- "GROUP BY" clause: GROUP BY clause
- "ORDER BY" clause: ORDER BY clause

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30419-E

The specification of dynamic parameters is invalid. (operation = *aa....aa*, query number = *bb....bb*) (M+J+O)

The dynamic parameter specified in an operation is invalid. <SQLSTATE: 42771>

aa....aa: Operation type

- ARITHMETIC: A dynamic parameter is specified on both sides of an arithmetic operator.
- SET FUNCTION: A dynamic parameter is specified in a set function.
- CASE expression: The specification of a dynamic parameter in a CASE expression is invalid.
- CONCATENATION: A dynamic parameter is specified as an operator in a concatenation operation.
- window function: A dynamic parameter is specified in a window function.
- BIT OPERATION: A dynamic parameter is specified in a bit operation.

bb....bb: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30420-E

The result of *aa....aa* exceeds 32,000 bytes. (query number = *bb....bb*) (M+J+O)

The maximum length of the result of *aa....aa* exceeds 32,000 bytes. <SQLSTATE: 42812>

aa....aa: Operation type

- CONCATENATION: Concatenation operation

bb....bb: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30421-E

An error occurred while trying to execute a scalar function. (function name = *aa....aa*, query number = *bb....bb*, details = *cc....cc*) (M+J+O)

An error occurred while trying to execute scalar function *aa....aa*.

- The character string returned by scalar function TRANSLATE exceeded the permitted data length for execution results. <SQLSTATE: 22001>
- An overflow error occurred in numeric data. <SQLSTATE: 22003>
- An overflow error occurred in datetime data. <SQLSTATE: 22008>
- A division by zero error occurred. <SQLSTATE: 22012>
- An out-of-range value was specified in the LN scalar function. <SQLSTATE: 2201E>
- An out-of-range value was specified in the POWER or SQRT scalar function. <SQLSTATE: 2201F>
- An out-of-range value was specified in a scalar function. <SQLSTATE: 2250H>

aa....aa:

Scalar function name

bb....bb: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

cc....cc: Error detail message

- **division by zero error:** A division by zero error occurred.
- **domain error:** An out-of-range value was specified in a scalar function.
- **overflow error:** An overflow occurred.
- **data length insufficient:** The returned value cannot be stored due to the limit on the data length for scalar function execution results.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

The following table shows the corrective action to take:

Error detail message (<i>cc....cc</i>)	Corrective action to take
division by zero error	Correct the SQL statement so that the division by zero error will not occur. For details about the condition that results in a division by zero error, see <i>Scalar Functions</i> in the manual <i>HADB SQL Reference</i> (see the details of the scalar function displayed in place of <i>aa....aa</i>).
domain error	Correct the SQL statement so that an out-of-range value will not be passed to the scalar function. For details about the value range permitted for the scalar function, see description of the scalar function displayed in place of <i>aa....aa</i> under <i>Scalar Functions</i> in the manual <i>HADB SQL Reference</i> .
overflow error	Correct the SQL statement so that an overflow error will not occur.
data length insufficient	Correct the SQL statement to increase the data length for scalar function execution results. If this message was issued when scalar function TRANSLATE was executing, see <i>Rules</i> in <i>TRANSLATE</i> in the manual <i>HADB SQL Reference</i> .

KFAA30424-E

The specification of the value of "aa....aa" of a "LIKE predicate" is invalid. (details = bb....bb) (M+J+O)

The specification of the value expression specified for aa....aa of the LIKE predicate is invalid.

aa....aa:

escape character: Escape character

bb....bb: Cause of the error

- data length error: The data length of the value expression specified for the escape character is invalid. <SQLSTATE: 22019>
- escape character value error: The data content of the value expression specified for the escape character is invalid. <SQLSTATE: 2250A>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the specified escape character, and then retry the operation.

KFAA30425-E

An invalid data type was specified in scalar function. (argument number = aa....aa, function name = "bb....bb", query number = cc....cc) (M+J+O)

The argument aa....aa of scalar function bb....bb contains an error. <SQLSTATE: 42782>

aa....aa: Number of the argument that contains the error

For example, if bb....bb is SUBSTR and 2 is displayed, it means there is an error in the specification for the start position of the SUBSTR function. The specification format for the SUBSTR function is as follows:

```
SUBSTR(character-string-data-of-extraction-source, start-position(, number-of-characters-to-be-extracted))
```

bb....bb:

Scalar function name

cc....cc: Position number of the query that specified bb....bb

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement according to rules for scalar function bb....bb. For details about the rules for scalar functions, see *Scalar Functions* in the manual *HADB SQL Reference*.

The possible errors are as follows:

- **If data whose data type cannot be specified for the argument indicated by aa....aa is specified**
For the argument indicated by aa....aa, specify data whose data type can be specified.

- **If the data type of the data specified for the argument indicated by aa....aa cannot be compared with the data type of the data specified for other arguments**

For the argument indicated by aa....aa and other arguments, specify data whose data type can be compared.

For example, if you execute the following SQL statements with character string data that is the predefined character-string representation for datetime data specified as the argument, this message might be displayed.

- **Example of SQL statement specification (For a column specification where "CDATE" is DATE type)**

- COALESCE ("CDATE", '2000/01/01')
- LTDECODE ('2000/01/01', '2010/01/01', 0, "CDATE", 1)

For the rules for specifying character string data that is the predefined character-string representation for datetime data, follow the rules for scalar function bb....bb. For details about the rules for scalar functions, see *Scalar Functions* in the manual *HADB SQL Reference*.

- **If only a single dynamic parameter is specified for the argument indicated by aa....aa**

Use the scalar functions CAST or CONVERT to specify a dynamic parameter. Alternatively, do not use a dynamic parameter.

The following shows an example of specifying a dynamic parameter by using the scalar functions CAST and CONVERT.

- **Example of specifying a dynamic parameter by using the scalar function CAST**

CAST(?) AS CHAR(10))

- **Example of specifying a dynamic parameter by using the scalar function CONVERT**

CONVERT(?, CHAR(10))

KFAA30437-E

The schema object "aa....aa"."bb....bb" is not found in the system. (object type = cc....cc) (M+J+O)

The specified schema object aa....aa.bb....bb does not exist. <SQLSTATE: 42105>

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc: Type of schema object

- TABLE: Table

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30447-E

The data types of a "THEN" or "ELSE" operand specified in a CASE expression are not compatible. (query number = *aa....aa*) (M+J+O)

The data types of the results of value expressions specified for THEN and ELSE in a CASE expression are not compatible. <SQLSTATE: 42806>

aa....aa: Position number of the query that specified the CASE expression that contains the error

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30448-E

At least one "THEN" operand in searched CASE must be a value expression. (query number = *aa....aa*) (M+J+O)

A value expression must be specified for at least one of the THEN operands specified in a CASE expression. <SQLSTATE: 42784>

aa....aa: Position number of the query that specified the CASE expression that contains the error

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30450-E

A cardinality violation occurred in the query. Two or more rows exist in the search results of "*aa....aa*". (query tree number = *bb....bb*) (M+J+O)

A cardinality violation occurred in the query at query tree number *bb....bb*. Two or more results were found in *aa...aa* at query tree number *bb....bb*. <SQLSTATE: 21502>

aa....aa:

SCALAR SUBQUERY: A scalar subquery

bb....bb: Query tree number of subquery that had two or more results

A query tree number is used to identify each query tree output to access path information. For details about query tree numbers, see *Example of displayed access path information* in *About access paths* in the *HADB Application Development Guide*.

Note that if a set operation is specified for the subquery, the following query tree number is output.

- Query tree number that is output in the first QUERY SCAN (QUERY *query-tree-number*) under the corresponding set operation specification (SET OPERATION) in access path information

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement so that there is no more than one subquery result.

KFAA30453-E

There is an error in the specification method of a scalar function argument. (function name = "aa....aa", reason = "bb....bb", query number = cc....cc) (M+J+O)

There is an error in the specification format of scalar function *aa....aa*.

aa....aa:

Scalar function name

bb....bb: Cause of the error

- data length insufficient: The result data was too short. <SQLSTATE: 22001>
- overflow: An overflow occurred. <SQLSTATE: 22003>
- format: There is an error in the character string format of the data to be converted. <SQLSTATE: 22018>
- value: The value of the data to be converted is invalid. <SQLSTATE: 22018>
- data type: The data type that was specified cannot be used. <SQLSTATE: 42785>
- combination: An error occurred when the value expression data type was combined with the result data type. <SQLSTATE: 42807>

cc....cc: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30454-E

The viewed table "aa....aa"."bb....bb" cannot be accessed because it is invalid. (M+J+O)

The viewed table "aa....aa"."bb....bb" cannot be accessed because it is invalidated. <SQLSTATE: 4292A>

aa....aa:

Schema name of viewed table

bb....bb:

Table identifier of viewed table

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

The invalidation of the viewed table must be released. For details about the corrective action to take, see *Releasing a viewed table from invalidation* in the *HADB Setup and Operation Guide*.

KFAA30458-E

The query name "aa....aa" specified in a "WITH" clause is a duplicate. (M+J+O)

The query name *aa....aa* has been specified more than once in a WITH clause. <SQLSTATE:42733>

aa....aa:

Query name

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30459-E

The column name "aa....aa" of viewed table "bb....bb" is already in use. (M+J+O)

Column name *aa....aa* has been specified more than once in viewed table *bb....bb*. <SQLSTATE: 42734>

aa....aa:

Column name that is duplicated

bb....bb:

Name of viewed table that has a column name that is duplicated

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

The action to take differs depending on whether column names are specified.

- **If column names are specified**

Change column names so that there is no duplication.

- **If column names are omitted**

Duplication of a column name in the viewed table is due to duplication of a column name in a query specification.
Do not omit column names, which allow column names to be specified that do not include duplicates.

If this message is output in either of the following cases, take the corrective action described under Procedure.

- The ALTER VIEW statement is executed.
- A viewed table is re-created during version upgrading of the HADB server.

For details, see *Re-creation of viewed tables in the event of a version upgrade* in *Notes on version upgrading* in the *HADB Setup and Operation Guide*.

Procedure

1. Check viewed table definition information.

Check the CREATE VIEW statement that was used when the target viewed table was defined. You can acquire viewed table definition information by searching a dictionary table. For details about examples of searching the dictionary table, see *Finding out viewed table definition information* in *Searching a dictionary table* in the *HADB Setup and Operation Guide*.

2. Delete the viewed table.

Delete the target viewed table by using the DROP VIEW statement.

3. Correct the information specified in the CREATE VIEW statement.

Correct the information specified in the CREATE VIEW statement you checked in step 1.

4. Redefine the viewed table by using the CREATE VIEW statement.

Use the CREATE VIEW statement you corrected in step 3 to redefine the viewed table deleted in step 2.

If this message is output because an asterisk (*) is specified in the selection expression for the query specification in the CREATE VIEW statement, do not specify the asterisk (*). Correct the information specified in the CREATE VIEW statement to explicitly specify the column name in the selection expression for the query specification.

KFAA30460-E

If a viewed table contains a column without a name, the column name specification cannot be omitted. (M+J+O)

A viewed table contains a column for which no derived column name has been set, and the column name specification was omitted. <SQLSTATE: 42929>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Specify the column name.

KFAA30464-E

The specification of the recursive query is invalid. (reason = aa....aa, with list number = bb....bb) (M+J+O)

The specification of the recursive query is invalid.

aa....aa: Cause of the error

- an anchor member is not specified, or an anchor member is not specified before a recursive member:

An anchor member is not specified. Alternatively, all anchor members are not specified before a recursive member. <SQLSTATE: 427N5>

- the recursive query name is specified in a subquery:

A recursive query name is specified in a subquery. <SQLSTATE: 427N6>

- the recursive member is not specified in an operand of a UNION ALL set operation:
UNION ALL is not specified as the set operation for the recursive member. <SQLSTATE: 427N7>
- the last anchor member specified and the first recursive member specified are not specified in the operands of a UNION ALL set operation:
UNION ALL is not specified as the set operation for the last specified anchor member and the first specified recursive member. <SQLSTATE: 427N8>

bb....bb:

List number of the WITH list element corresponding to the recursive query

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30467-E

A table function derived table that includes the system-defined function "aa....aa" cannot be specified in the
bb....bb. (query number = *cc....cc*) (M)

A table function derived table with the system-defined function *aa....aa* specified cannot be specified in *bb....bb.*
<SQLSTATE: 42849>

aa....aa:

System-defined function name

bb....bb: SQL statement in which the table function derived table is specified

- DELETE statement: DELETE statement
- INSERT statement: INSERT statement
- PURGE CHUNK statement: PURGE CHUNK statement
- UPDATE statement: UPDATE statement
- CREATE VIEW statement: CREATE VIEW statement

cc....cc: Position number of the query that specified the table function derived table

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30501-E

The cursor is not opened. (M+J+O)

The cursor has not been opened. <SQLSTATE: 24504>

S:

Ignores this SQL statement.

Action:

Correct the application program so that it opens the cursor, fetches the row, and then closes the cursor.

KFAA30502-E

The cursor is already opened. (M+J+O)

An attempt was made to open a cursor that is already open. <SQLSTATE: 24505>

S:

Ignores this SQL statement.

Action:

Correct the application program so that it closes the cursor before it opens the cursor again.

KFAA30505-E

Preparation of query with a cursor opened was requested. (M+J+O)

Preprocessing was requested for a query that has a cursor open. <SQLSTATE: 24506>

S:

Ignores this SQL statement.

Action:

Correct the application program so that it closes the cursor before it performs preprocessing.

KFAA30506-E

A query cannot be executed with EXECDIRECT. (M+J+O)

Queries cannot be executed with the CLI function `a_rdb_SQLExecDirect()`, which performs preprocessing and execution of SQL statements. <SQLSTATE: 07003>

S:

Ignores this SQL statement.

Action:

Correct the application program so that it executes the CLI functions shown below during query execution.

- `a_rdb_SQLPrepare()` (SQL statement preprocessing)
- `a_rdb_SQLBindCols()` (binds search result columns)

- `a_rdb_SQLExecute()` (executes preprocessed SQL statements)
- `a_rdb_SQLFetch()` (fetches rows)
- `a_rdb_SQLCloseCursor()` (closes cursors)

KFAA30512-E

An SQL statement (other than a prepared query) cannot be executed. (M+J+O)

SQL statements other than queries whose SQL statement is preprocessed cannot be executed. <SQLSTATE: 07005>

S:

Ignores this SQL statement.

Action:

Correct the application program.

KFAA30547-E

Viewed tables cannot be defined from dictionary / system tables. (M+J+O)

A viewed table cannot be defined with a dictionary table or a system table as its underlying table. <SQLSTATE: 428A3>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Make a table other than a dictionary table or a system table the underlying table, and then define a viewed table.

KFAA30548-E

The user does not have permission to access the specified schema or schema object. (schema name = "aa....aa", schema object name = "bb....bb") (M+J+O)

You do not have the privileges to access the schema or schema object that was specified. <SQLSTATE: 42820>

The possible causes are as follows:

- The specified schema does not exist.
- The specified schema object does not exist.
- You do not have access privileges to the specified schema object.

aa....aa:

Schema name

bb....bb:

Schema object name

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Check the following:

- Are the correct names specified for the schema, table, and index?
- Ask the HADB user who has the grant option of access privileges for the target schema object to grant you access privileges for the schema object.
- If the specified schema object is a viewed table that you own, make sure that the viewed table has not been invalidated. Then, ask the HADB user who has the grant option of access privileges for the underlying table to grant you access privileges for the underlying table of the viewed table.

KFAA30549-E

The *aa....aa "bb....bb"* cannot be specified. (M+J+O)

The authorization identifier or schema name specification is invalid. <SQLSTATE:42108>

The possible causes are as follows:

- An attempt was made to connect to the HADB server with ALL, HADB, or PUBLIC specified as the authorization identifier.
- An attempt was made to update a dictionary table or a system table (a table with a schema name of MASTER).
- ALL, HADB, or PUBLIC was specified as the authorization identifier and an attempt was made to execute one of the following SQL statements:
 - ALTER USER
 - CREATE USER
 - DROP USER
 - GRANT
 - REVOKE

aa....aa: Invalid specification

- **authorization identifier**: The authorization identifier is invalid
- **schema**: The schema name is invalid

bb....bb:

The character string specified in the authorization identifier or schema name

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the authorization identifier or schema name specified in the SQL statement.

KFAA30550-E

The *aa....aa* privilege is required to access the "*bb....bb*".*cc....cc*" table. (M+J+O)

The table to be searched cannot be referenced because you do not have *aa....aa*. <SQLSTATE: 42K01>

aa....aa:

Privilege required to reference the table to be searched

- AUDIT ADMIN: Audit admin privilege

bb....bb:

Schema name of the table that cannot be referenced

cc....cc:

Table identifier of the table that cannot be referenced

S:

Ignores this SQL statement.

Action:

Make sure that the table name to be searched is correct. If the table name is invalid, specify the correct table name. If the table name is correct, ensure that an HADB user with *aa....aa* searches the relevant table.

KFAA30551-E

The operation "*aa....aa*" cannot be executed. (reason = *bb....bb*) (M+J+O)

The SQL statement *aa....aa* could not be executed. <SQLSTATE: 42K02>

aa....aa:

SQL statement whose execution was attempted

bb....bb:

Cause of the error

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

The following explains how to handle this:

- If the grantor's access privileges do not include the grant option is displayed for *bb....bb*

The user who executed the GRANT statement is invalid. Execute the GRANT statement by using the authorization identifier of the HADB user who has the grant option of access privileges for the target schema object.

- If the revoker's access privileges do not include the grant option is displayed for *bb....bb*

The user who executed the REVOKE statement is invalid. Execute the REVOKE statement by using the authorization identifier of the HADB user who granted the access privilege that is to be revoked.

KFAA30552-E

The DBA privilege is required to execute the operation in "aa....aa". (M+J+O)

The DBA privilege is required to perform *aa....aa*. <SQLSTATE: 42K03>

aa....aa: Operation that requires the DBA privilege

- ALTER USER: Changing information about HADB users
- CREATE USER: Creating HADB users
- DROP USER: Deleting HADB users
- GRANT AUDIT ADMIN: Granting the audit admin privilege
- GRANT AUDIT VIEWER: Granting the audit viewer privilege
- GRANT DBA: Granting the DBA privilege
- GRANT CONNECT: Granting the CONNECT privilege
- GRANT SCHEMA: Granting the schema definition privilege
- REVOKE DBA: Revoking the DBA privilege
- REVOKE CONNECT: Revoking the CONNECT privilege
- REVOKE SCHEMA: Revoking the schema definition privilege

If multiple privileges were specified in the GRANT or REVOKE statement, only one of those privileges is displayed.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Ensure an HADB user with the DBA privilege performs *aa....aa*.

KFAA30555-E

The *aa....aa* privilege that you granted to yourself cannot be removed by you. (M+J+O)

A user cannot revoke any privilege *aa....aa* that the user has granted to himself or herself. <SQLSTATE: 42K05>

aa....aa: Privilege that cannot be revoked

- DBA: DBA privilege
- CONNECT: CONNECT privilege
- AUDIT ADMIN: Audit admin privilege

If multiple privileges were specified in the REVOKE statement, only one of those privileges is displayed.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

- If this message is output when you attempt to revoke the DBA or CONNECT privilege

You cannot revoke the DBA or CONNECT privilege granted to you. Ask another HADB user who has the DBA privilege to revoke your DBA or CONNECT privilege.

- If this message is output when you attempt to revoke the audit admin privilege

If you are the only HADB user who has both the audit admin privilege and CONNECT privilege, you cannot revoke your audit admin privilege. Therefore, if you want to change the HADB user who has the audit admin privilege, you must first grant the audit admin privilege and CONNECT privilege to another HADB user. Then, revoke your audit admin privilege. An HADB user who has the DBA privilege must grant the audit admin privilege and CONNECT privilege.

If this message is output when you attempt to revoke your audit admin privilege in order to stop operation of the audit trail facility, follow the procedure in *Stopping use of the audit trail facility* in the *HADB Setup and Operation Guide*.

KFAA30556-E

The operation cannot be executed because the authorization identifier "bb....bb" specified in aa....aa is cc....cc. (M +J+O)

The aa....aa operation could not be executed. <SQLSTATE: 42K06>

aa....aa: Operation whose execution was attempted

- GRANT: Granting of a privilege by a GRANT statement
- REVOKE: Revocation of a privilege by a REVOKE statement
- REVOKE CONNECT: Revocation of a CONNECT privilege by a REVOKE statement
- REVOKE SCHEMA: Revocation of a schema definition privilege by a REVOKE statement

bb....bb:

Authorization identifier specified in the SQL statement

cc....cc:

Cause of the error

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

The following explains how to handle this:

- If the owner of the target schema object is displayed for cc....cc

The authorization identifier whose privilege is to be granted or revoked is the authorization identifier of the schema object owner. Check if the specified authorization identifier and the specified schema object are correct.

- If connected to the HADB server is displayed for cc....cc

The CONNECT privileges cannot be revoked for an authorization identifier that is currently connected to the HADB server. Re-execute the REVOKE statement after the target authorization identifier has been disconnected from the HADB server.

If you want to revoke the CONNECT privilege immediately, use the `adbcancel` command to forcibly disconnect the target authorization identifier from the HADB server.

- If a special keyword that can be specified only by the owner of the target schema object is displayed for cc....cc

To execute the GRANT statement with PUBLIC specified, use the authorization identifier of the owner of the target schema object for access privileges.

- If a user with privileges on which the privileges you are trying to grant depend is displayed for *cc....cc*
An attempt is made to grant access privileges to an HADB user who cannot be granted access privileges. You cannot grant access privileges to the following HADB users:
 - An HADB user who has granted himself or herself the target access privilege
 - An HADB user on the line of users who granted the target access privilege to the above HADB user
 - Yourself
- If the auditor is displayed for *cc....cc*

You cannot revoke the CONNECT privilege and schema definition privilege of an HADB user who has the audit privilege. Revoke the audit privilege, and then revoke the CONNECT privilege or schema definition privilege. An HADB user who has the audit admin privilege must revoke the audit privilege.

KFAA30559-E

The operation "*aa....aa*" cannot be executed using an authorization identifier "*bb....bb*" that does not exist. (M+J+O)

An attempt was made to perform *aa....aa* on nonexistent authorization identifier *bb....bb*. <SQLSTATE: 42K07>

aa....aa: Operation attempted

- ALTER USER: Changing information about HADB users
- DROP USER: Deleting HADB users
- GRANT: Granting the privileges
- REVOKE: Revoking the privileges

bb....bb:

Specified authorization identifier

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Re-execute the SQL statement with an existent authorization identifier specified.

KFAA30560-E

The specified password is invalid. (M+J+O)

The specified password violates the password specification rules. <SQLSTATE: 28501>

Possible causes are as follows:

- The specified password contains a syntax error.
- The specified password exceeds 255 bytes.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the password specification, and then re-execute the SQL statement.

For details about the password specification rules, see *Specification format and rules for the CREATE USER statement* or *Specification format and rules for the ALTER USER statement* in the manual *HADB SQL Reference*.

KFAA30561-E

The specified authorization identifier or password is invalid. (M+J+O)

The specified authorization identifier or password is invalid. <SQLSTATE: 28502>

Possible causes are as follows:

- The specified authorization identifier does not exist.
- An invalid password was specified.
- The specified authorization identifier does not have the CONNECT privilege.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Specify the correct authorization identifier or password, and then re-execute the SQL statement.

If the specified authorization identifier and password are correct, the specified authorization identifier might not have the CONNECT privilege. For details about how to determine the privileges that have been granted to a specified authorization identifier, see *Checking the user privileges and schema operation privilege granted to an HADB user* in the *HADB Setup and Operation Guide*. If the authorization identifier does not have the CONNECT privilege, grant the CONNECT privilege.

KFAA30562-E

The user of the specified authorization identifier cannot be deleted. (reason = aa....aa) (M+J+O)

The HADB user having the authorization identifier specified in the `DROP USER` statement cannot be deleted.
<SQLSTATE: 42K19>

aa....aa: Cause of the error

- users cannot delete themselves: The user attempted to delete his or her own account.
- users cannot delete schemas they own: The user owns schemas.
- the user is connected to the HADB server: The user is connected to the HADB server.
- the user grants access privileges to other users: The user has granted access privileges to other HADB users.
- the user is the auditor: The user has the audit privilege.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Take the following action depending on the cause of error displayed in *aa....aa*:

- If *aa....aa* is users cannot delete themselves:

A user cannot delete an HADB user assigned one's own authorization identifier. Specify an authorization identifier that belongs to another HADB user.

To delete an HADB user assigned one's own authorization identifier, ask another HADB user with the DBA privilege to execute the `DROP USER` statement.

- If *aa....aa* is users cannot delete schemas they own:

The `DROP USER` statement resulted in an error because the HADB user subject to deletion owns schemas. Check if the schemas, tables, and indexes owned by the HADB user with the specified authorization identifier can be deleted.

If the tables owned by the HADB user are deleted by executing the `DROP USER` statement, the viewed tables and foreign keys of other schemas are affected as described below.

- Viewed tables (viewed tables of other schemas) that depend on a table deleted by executing the `DROP USER` statement are deleted (or invalidated).
- Foreign keys (foreign keys of other schemas) whose referenced table is deleted by executing the `DROP USER` statement are deleted.

If there is no problem with the above influence, execute the `DROP USER` statement with `CASCADE` specified for drop behavior or without specifying the drop behavior. For details about the drop behavior specification, see *Specification format and rules for the DROP USER statement* in the manual *HADB SQL Reference*.

- If *aa....aa* is the user is connected to the HADB server:

An HADB user assigned an authorization identifier currently connected to the HADB server cannot be deleted. Execute the `DROP USER` statement after the specified authorization identifier has been disconnected from the HADB server.

If you want to delete the HADB user immediately, use the `adbcancel` command to forcibly disconnect the target authorization identifier from the HADB server.

- If *aa....aa* is the user grants access privileges to other users:

The `DROP USER` statement resulted in an error because the HADB user subject to deletion has granted access privileges to other HADB users. Take one of the following corrective actions:

- Revoke all access privileges granted to other HADB users by the HADB user whose authorization identifier is to be deleted. Then, re-execute the `DROP USER` statement.
- Make sure that no problem occurs even if all access privileges granted to other HADB users are revoked by the HADB user whose authorization identifier is to be deleted. Then, re-execute the `DROP USER` statement with `CASCADE` specified for the drop behavior.

- If *aa....aa* is the user is the auditor:

An HADB user who has the audit privilege cannot be deleted. Revoke the audit privilege, and then delete the HADB user. An HADB user who has the audit admin privilege must revoke the audit privilege.

KFAA30563-E

The SQL cannot be executed before a connection is established. (M+J+O)

An SQL statement could not be executed because no connection has been established to the HADB server.

<SQLSTATE: 54201>

S:

Ignores this SQL statement.

Action:

Carefully review the application program. Check the SQL statement call sequence, and then correct any errors found.

If you are using the multi-node function, the connection with the HADB server might have already been disconnected by the `adbcancel` command or the like. If an SQL statement is executed in such situations, this message might be output. In this case, reconnect to the HADB server, and then re-execute the SQL statement.

KFAA30564-E

The authorization identifier "aa....aa" is invalid. (reason = bb....bb) (M+J+O)

The specified authorization identifier *aa....aa* is invalid due to one of the following reasons:

- The length of the authorization identifier is outside the range of 1 to 100 bytes. <SQLSTATE: 42529>
- A character that is not an alphanumeric character was specified. <SQLSTATE: 42539>
- A character that cannot be specified with normal identifiers was specified. <SQLSTATE: 42539>

If there is a nondisplaying character in the specified authorization identifier, the identifier might not display correctly.

aa....aa: Authorization identifier or invalid character

If the authorization identifier cannot be displayed, * is displayed.

bb....bb: Cause of the error

- `string error`: A non-alphanumeric character or a character that cannot be specified in a normal identifier was specified.
- `length error`: The length of the authorization identifier is outside the range of 1 to 100 bytes.

S:

Ignores the processing.

Action:

Correct the authorization identifier specification.

KFAA30565-E

Argument *aa....aa* in the CLI function is invalid. (M+J+O)

A CLI function argument is invalid. <SQLSTATE: 54001>

aa....aa:

Invalid argument

S:

Ignores this SQL statement.

Action:

Correct the argument.

Note that if the return code of the CLI function is -565 and this message is not output, the value of the argument ConnectionHandle might be invalid.

KFAA30566-E

The specified authorization identifier is currently being used. (M+J+O)

The specified authorization identifier is already in use. <SQLSTATE: 42K43>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Specify a valid authorization identifier.

KFAA30572-E

The privilege "aa....aa" that is specified in the statement "bb....bb" is duplicated. (M+J+O)

A privilege specified in a GRANT or REVOKE statement is duplicated. <SQLSTATE: 425D7>

aa....aa: Type of privilege that is duplicated

- DBA: DBA privilege
- CONNECT: CONNECT privilege
- SCHEMA: Schema definition privilege
- AUDIT ADMIN: Audit admin privilege
- AUDIT VIEWER: Audit viewer privilege
- SELECT: SELECT privilege
- INSERT: INSERT privilege
- UPDATE: UPDATE privilege
- DELETE: DELETE privilege
- TRUNCATE: TRUNCATE privilege
- REFERENCES: REFERENCES privilege
- IMPORT TABLE: IMPORT TABLE privilege
- REBUILD INDEX: REBUILD INDEX privilege
- GET COSTINFO: GET COSTINFO privilege
- EXPORT TABLE: EXPORT TABLE privilege
- MERGE CHUNK: MERGE CHUNK privilege

- CHANGE CHUNK COMMENT: CHANGE CHUNK COMMENT privilege
- CHANGE CHUNK STATUS: CHANGE CHUNK STATUS privilege
- ARCHIVE CHUNK: ARCHIVE CHUNK privilege
- UNARCHIVE CHUNK: UNARCHIVE CHUNK privilege

bb....bb:

SQL statement that was executed

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Delete the duplicated privilege specification.

KFAA30575-E

The operation "*aa....aa*" cannot be executed, because the audit trail facility is INACTIVE. (M+J+O)

The *aa....aa* operation cannot be performed because the audit trail facility is disabled. <SQLSTATE: 52011>

aa....aa: Operation that could not be performed

- CREATE AUDIT: Defining an audit target
- DROP AUDIT: Deleting an audit target definition
- REVOKE AUDIT ADMIN: Revoking the audit admin privilege
- REVOKE AUDIT VIEWER: Revoking the audit viewer privilege
- audit trail search by using the system-defined function ADB_AUDITREAD: Searching for an audit trail by using the ADB_AUDITREAD function

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Execute the `adbaudittrail --start` command to enable the audit trail facility. Then, retry the *aa....aa* operation.

If this message (*aa....aa* indicates REVOKE AUDIT ADMIN) is output when you attempt to revoke your audit admin privilege in order to stop using the audit trail facility, the operation failed for one of the following reasons:

- Another HADB user has the audit privilege.
- You have the audit viewer privilege.

In this case, use the following procedure:

1. Enable the audit trail facility.
2. Revoke the audit privilege of the other HADB user.
3. Revoke your audit viewer privilege.
4. Disable the audit trail facility.
5. Revoke your audit admin privilege.

KFAA30577-E

The schema definition privilege cannot be deleted because the user of the specified authorization identifier "aa....aa" owns the schema. (M+J+O)

The schema definition privilege cannot be deleted because the HADB user assigned the authorization identifier specified in the REVOKE statement owns the schema. <SQLSTATE: 42K10>

aa....aa:

Authorization identifier specified in the REVOKE statement

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

The REVOKE statement resulted in an error because the HADB user whose schema definition privilege was to be deleted owns the schema. Check if the schemas, tables, and indexes owned by the HADB user having the specified authorization identifier can be deleted.

If the tables owned by the HADB user are deleted by executing the REVOKE statement, the viewed tables and foreign keys of other schemas are affected as described below.

- Viewed tables (viewed tables of other schemas) that depend on a table deleted by executing the REVOKE statement are deleted (or invalidated).
- Foreign keys (foreign keys of other schemas) whose referenced table is deleted by executing the REVOKE statement are also deleted.

If there is no problem with the above influence, execute the REVOKE statement with CASCADE specified for drop behavior or without specifying the drop behavior. For details about the drop behavior specification, see *Revoking user privileges, schema operation privileges, and audit privileges* in the manual *HADB SQL Reference*.

KFAA30579-E

The schema definition privilege is required to execute the operation "aa....aa". (M+J+O)

The schema definition privilege is required to perform the operation *aa....aa*. <SQLSTATE: 42K12>

aa....aa: Operation that requires the schema definition privilege

- CREATE SCHEMA: Defining schemas

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Ensure an HADB user with the DBA privilege grants the schema definition privilege.

KFAA30601-E

"*aa....aa*".*bb....bb*" of *cc....cc* is duplicated. (M+J+O)

The table name, index name, or constraint name specified in one of the following SQL statements is already in use:
<SQLSTATE: 42113>

- ALTER TABLE statement
- CREATE TABLE statement
- CREATE INDEX statement
- CREATE VIEW statement

This also applies to the indexes and the constraint names that HADB attempted to automatically define according to the specified uniqueness constraint definition. In addition, this also applies to the indexes that HADB attempted to define for archive range columns according to the chunk-archive specification.

aa....aa:

Schema name

bb....bb:

Table identifier, index identifier, or constraint name

cc....cc:

- *table*: Table
- *index*: Index
- *constraint*: Constraint
- an archive range column: Archive range column

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

- If *cc....cc* is *table*, *index*, or *constraint*
Correct the table name, index name, or constraint name specified in the SQL statement.
- If *cc....cc* is an archive range column
The index identifier specified for RANGEINDEXNAME in the chunk-archive specification is already used. Correct the specified index identifier.

KFAA30602-E

The number of columns in the table exceeds 1,000. (M+J+O)

The number of columns in the table exceeds the upper limit of 1,000. <SQLSTATE: 425C0>

S:

Ignores this SQL statement.

Action:

If there is an error in the SQL statement, correct it. Alternatively, reduce the number of columns in the table to 1,000 or fewer.

KFAA30604-E

The *aa....aa* of the data type "bb....bb" is invalid. (M+J+O)

The length, precision, or scale of a data type is invalid. <SQLSTATE: 42590>

aa....aa: Cause of the error

- precision of the decimal number for the seconds: Fractional seconds precision
- length: Length
- precision: Precision
- scale: Scale

bb....bb: Invalid data type

- BINARY: BINARY type
- CHAR: CHAR type
- DECIMAL: DECIMAL type
- TIME: TIME type
- TIMESTAMP: TIMESTAMP type
- VARBINARY: VARBINARY type
- VARCHAR: VARCHAR type

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30607-E

Definition SQL statements cannot be used on another user's *aa....aa*. (M+J+O)

Schema belonging to other HADB users cannot be changed. <SQLSTATE:42K14>

This message is output in the following cases:

- If a schema name that does not belong to the executing HADB user was specified when a base table, viewed table, or index is defined.
- If a schema name that does not belong to the executing HADB user was specified when a base table, viewed table, or index is deleted.
- If a schema name that does not belong to the executing HADB user was specified when a viewed table is re-created.
- If an attempt was made to define an index in a base table that specifies a schema name that does not belong to the executing HADB user when an index is defined.

This message is also output if the schema name specified in a definition SQL statement is different from the authorization identifier that was in use when an HADB server was connected.

aa....aa:

- schema: Schema

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

If the specified schema name contains errors, correct the errors. Alternatively, check whether the authorization identifier in use when the HADB server was connected is incorrect.

KFAA30609-E

Unable to *aa....aa* in FIX table. (M+J+O)

The following operations cannot be performed for a FIX table: <SQLSTATE: 42114>

- Define a column of the variable-length data type.
- Specify the chunk-archive specification.
- Define a table as a column store table.

aa....aa: Cause of the error

- define variable length column: Definition of a column of the variable-length data type
- specify the "ARCHIVABLE" option: Chunk-archive specification
- specify the "STORAGE FORMAT COLUMN" option: Definition of a column store table (COLUMN is specified for the STORAGE FORMAT option.)

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Check and, if necessary, revise the CREATE TABLE or ALTER TABLE statement.

- When defining a FIX table, do not define or specify any of the following:
 - Define a column of the variable-length data type.
 - Chunk-archive specification
 - Define a column store table (Specify COLUMN for the STORAGE FORMAT option).
- If any of the following conditions applies, cancel the FIX specification.
 - When defining a column of the variable-length data type
 - When specifying a chunk-archive
 - When defining a column store table (When specifying COLUMN for the STORAGE FORMAT option)

KFAA30612-E

The column name "*aa....aa*" is duplicated. (M+J+O)

A column name has been used more than once. <SQLSTATE: 42I15>

aa....aa:

The column name that caused the error

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30613-E

A column cannot be added to a table(reason = *aa....aa*). (M+J+O)

The ALTER TABLE statement cannot be used to add columns to the following types of tables: <SQLSTATE: 53021>

- A FIX table to which segments for storing rows are assigned
- A base table for which BRANCH ALL is specified in the CREATE TABLE statement, and to which segments for storing rows are assigned

aa....aa: Reason why columns cannot be added

- A fix table in which data was stored at least once: A FIX table to which segments for storing rows are assigned
- A table in which data has been stored at least once and for which BRANCH ALL option is specified: A base table for which BRANCH ALL is specified in the CREATE TABLE statement, and to which segments for storing rows are assigned

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

For details about how to add columns to these tables, see *When a column cannot be added to a base table* in the *HADB Setup and Operation Guide*.

KFAA30614-E

A B-tree index cannot be created in column "*aa....aa*". (reason = "*bb....bb*") (M)

Columns of the following data types cannot be specified for B-tree indexed columns: <SQLSTATE: 42I16>

- BINARY type
- VARBINARY type

aa....aa:

Name of the column whose data type caused the error

bb....bb: Cause of the error

- The data type of the column is BINARY: The data type of the column is BINARY.

- The data type of the column is VARBINARY: The data type of the column is VARBINARY.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

A B-tree index cannot be defined for column *aa....aa*. Check and, if necessary, revise the column data type, indexed column, or other aspects of the database design.

KFAA30616-E

The B-tree index key length exceeded the maximum length. (M+J+O)

The length of a B-tree index key exceeds the maximum length. <SQLSTATE: 56007>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Take one of the following corrective actions:

- Make the page size larger for the DB area that stores the B-tree index.
- Correct the B-tree index key length so that it is no greater than the maximum length.

If this message was issued while a CREATE INDEX statement was executing, check the maximum length for B-tree index keys by referencing *Rules in Specification format and rules for the CREATE INDEX statement* in the manual *HADB SQL Reference*.

If this message was issued while a CREATE TABLE statement was executing, check the maximum length of B-tree index keys corresponding to the primary key by referencing *Rules in Specification format and rules for the CREATE TABLE statement* in the manual *HADB SQL Reference*.

KFAA30617-E

The number of columns in the *aa....aa* exceeds 16. (M+J+O)

An error occurred in an SQL statement because the number of columns specified exceeded the maximum of 16.

aa....aa:

Cause of the error

S:

Ignores this SQL statement.

Action:

Based on the cause of the error displayed in place of *aa....aa*, take one of the following corrective actions.

Cause of the error displayed for <i>aa....aa</i>	Cause of the error and corrective action to take	SQLSTATE
index	The number of indexed columns in a multiple-column index exceeds the maximum of 16. Decrease the number of indexed columns to 16 or fewer.	425C6

Cause of the error displayed for aa....aa	Cause of the error and corrective action to take	SQLSTATE
primary key	The number of columns constituting a primary key exceeds the maximum of 16. Decrease the number of columns constituting the primary key to 16 or fewer.	
foreign key	The number of columns constituting a foreign key exceeds the maximum of 16. Decrease the number of columns constituting the foreign key to 16 or fewer.	425CD

KFAA30619-E

Among the aa....aa columns names, column name "bb....bb" is duplicated. (M+J+O)

An error occurred in an SQL statement because a column name was specified more than once. <SQLSTATE: 42I18>

aa....aa:

Cause of the error

bb....bb: Name of the column whose name was specified more than once

If the column name cannot be output, *** is displayed.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Based on the cause of the error displayed in place of aa....aa, take one of the following corrective actions.

Cause of the error displayed for aa....aa	Cause of the error and corrective action to take
index	A single column name has been specified more than once in an indexed column specified in a CREATE INDEX statement. Correct the indexed column specification.
primary key	A single column name has been specified more than once in the columns that constitute a primary key specified in a CREATE TABLE statement. Correct the specifications of the columns that constitute the primary key.
foreign key	A single column name has been specified more than once in the columns that constitute a foreign key specified in a CREATE TABLE statement. Correct the specifications of the columns that constitute the foreign key.

KFAA30630-E

A column for which NOT NULL constraint is specified cannot be added to a table in which data has been stored at least once. (M+J+O)

A column with the NOT NULL constraint specified cannot be added to a base table to which segments for storing rows are assigned. <SQLSTATE: 42IAC>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

For details about how to add columns to such tables, see *When a column cannot be added to a base table* in the *HADB Setup and Operation Guide*.

KFAA30650-E

The number of viewed table columns is not equal to the number of columns in SELECT. (M+J+O)

There is an error in the specified CREATE VIEW statement. The number of column names specified in the column name list differs from the number of columns for the table that is derived from the query expression. <SQLSTATE: 42723>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Make sure that the number of column names specified in the column name list in the CREATE VIEW statement is the same as the number of columns for the table that is derived from the query expression.

If this message is output in either of the following cases, take the corrective action described under Procedure.

- The ALTER VIEW statement is executed.
- A viewed table is re-created during version upgrading of the HADB server.

For details, see *Re-creation of viewed tables in the event of a version upgrade* in *Notes on version upgrading* in the *HADB Setup and Operation Guide*.

Procedure

1. Check viewed table definition information.

Check the CREATE VIEW statement that was used when the target viewed table was defined. You can acquire viewed table definition information by searching a dictionary table. For details about examples of searching the dictionary table, see *Finding out viewed table definition information* in *Searching a dictionary table* in the *HADB Setup and Operation Guide*.

2. Delete the viewed table.

Delete the target viewed table by using the DROP VIEW statement.

3. Correct the information specified in the CREATE VIEW statement.

Correct the information specified in the CREATE VIEW statement you checked in step 1.

4. Redefine the viewed table by using the CREATE VIEW statement.

Use the CREATE VIEW statement you corrected in step 3 to redefine the viewed table deleted in step 2.

If this message is output because an asterisk (*) is specified in the selection expression for the query specification in the CREATE VIEW statement, do not specify the asterisk (*). Correct the information specified in the CREATE VIEW statement to explicitly specify the column name in the selection expression for the query specification.

KFAA30651-E

"aa....aa" cannot be specified in a view definition. (M+J+O)

The item aa....aa cannot be specified in a view definition. <SQLSTATE: 42850>

aa....aa: Item that cannot be specified

- dynamic parameter: A dynamic parameter

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA30652-E

The specified DB area "aa....aa" does not exist. (M+J+O)

The DB area specified in the following SQL statements or the assumed DB area does not exist: <SQLSTATE:58005>

- CREATE TABLE statement
- CREATE INDEX statement
- ALTER TABLE statement

aa....aa:

DB area name

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Check whether `IN DB-area-name` is specified in the SQL statement.

■ If the IN DB-area-name specification is omitted:

The DB area specified for the `adb_sql_default_dbarea_shared` operand in the server definition does not exist. Take one of the following corrective actions:

- Correct the `adb_sql_default_dbarea_shared` operand specification in the server definition.
- Add the `IN DB-area-name` specification in the SQL statement.

■ If IN DB-area-name is specified:

- Correct the `IN DB-area-name` specification.

KFAA30653-E

The specified DB area "aa....aa" is not for *bbbb*. (M+J+O)

The specified or assumed DB area is not a data DB area. <SQLSTATE: 58006>

aa....aa:

DB area name

bbbb: Type of DB area

- `data`: Data DB area

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Check whether `IN DB-area-name` is specified in the SQL statement.

■ If the IN DB-area-name specification is omitted:

The DB area specified for the `adb_sql_default_dbarea_shared` operand in the server definition is not a data DB area. Take one of the following corrective actions:

- Specify a data DB area for the `adb_sql_default_dbarea_shared` operand in the server definition.
- Specify a data DB area for `IN DB-area-name` in the SQL statement.

■ If IN DB-area-name is specified:

- Specify a data DB area for `IN DB-area-name` in the SQL statement.

KFAA30655-E

A viewed table cannot be defined from viewed tables. (M)

A viewed table cannot be defined with another viewed table as its underlying table. <SQLSTATE: 427B3>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Make the underlying table be a table that is not a viewed table, and then define a viewed table.

KFAA30656-E

Schema "aa....aa" was not found in the system. (M+J+O)

Schema `aa....aa` does not exist. <SQLSTATE: 42126>

aa....aa:

Schema name

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Define the schema.

KFAA30657-E

The size (`aa....aa`) of the area needed to store the row exceeds the page size (`bb....bb`). (M+J+O)

The CREATE TABLE or ALTER TABLE statement cannot be executed because the size of the area required to store a row exceeds the page size. <SQLSTATE: 56009>

aa....aa:

Size of the area required to store a row

bb....bb: Page size

If the page size or the size of the area required to store a row cannot be output, *** is displayed.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Take one of the following actions:

- Check and, if necessary, revise the row length of the base table by referencing *Rules in Specification format and rules for the CREATE TABLE statement* or *Specification format and rules for the ALTER TABLE statement* in the manual *HADB SQL Reference*.
- Increase the page size of the data DB area for storing the base table.

KFAA30661-E

Index "aa....aa"."bb....bb" with the same structure already exists. (M+J+O)

An index with the same structure already exists. <SQLSTATE: 42I29>

aa....aa:

Schema name

bb....bb:

Index identifier

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Check the content of the CREATE INDEX statement specification, and then correct the SQL statement, if necessary.

KFAA30664-E

The specified schema "aa....aa" already exists. (M+J+O)

A schema with the same name already exists. <SQLSTATE: 42I30>

aa....aa:

Schema name

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the schema name.

KFAA30670-E

There is an error in the *bb....bb* processing of *aa....aa*. (M+J+O)

bb....bb cannot be performed on *aa....aa*. <SQLSTATE: 42870>

aa....aa: Target table

- *read only viewed table*: Read-only viewed table

bb....bb: Operation attempted

- *insert*: INSERT statement
- *update*: UPDATE statement
- *delete*: DELETE statement

S:

Ignores this SQL statement.

Action:

Make sure that the target table is correct.

KFAA30673-E

"*aa....aa*" in the *bb....bb* statement is duplicated. (M+J+O)

An option was illegally specified more than once in a table or index definition. <SQLSTATE: 425D4>

aa....aa: Option specified more than once

- *BRANCH*: BRANCH ALL specification
- *CORRECTIONRULE*: Notation-correction-search text-index specification
- *EMPTY*: Specifies unfinished status
- *EXCLUDE NULL VALUES*: Null-value exclusion specification
- *INDEXTYPE*: Index type specification
- *PCTFREE*: Unused index area or unused table area specified
- *PRIMARY KEY*: Uniqueness constraint definition
- *DELIMITER*: Text-index delimiter specification
- *STORAGE FORMAT*: Table-storage-format specification

bb....bb: Invalid SQL statement

- *CREATE INDEX*
- *CREATE TABLE*

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30677-E

aa....aa cannot be executed for *bb....bb*. (M+J+O)

The processing indicated by *aa....aa* cannot be performed on table *bb....bb*.

- The TRUNCATE TABLE statement cannot be executed on a viewed table. <SQLSTATE: 427B3>
- The PURGE CHUNK statement cannot be executed on a single-chunk table. <SQLSTATE: 427B4>
- The PURGE CHUNK statement cannot be executed on a viewed table. <SQLSTATE: 427B4>

aa....aa: Processing that is not permitted

- purge chunk: PURGE CHUNK statement
- truncate table: TRUNCATE TABLE statement

bb....bb: Table to be processed

- viewed table: Viewed table
- no multi chunk table: Single-chunk table

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA30678-E

No column definition is specified in the CREATE TABLE statement. (M+J+O)

No column definition is specified in the CREATE TABLE statement. <SQLSTATE: 425D0>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Specify a column definition in the CREATE TABLE statement.

KFAA30692-E

Execution is not possible because table "*aa....aa*".*bb....bb*" is in use. (M+J+O)

A definition SQL statement cannot be executed because the table definition information for table *bb....bb* is in use.
<SQLSTATE: 53024>

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Wait for the transaction to terminate, and then re-execute the SQL.

KFAA30695-E

The *aa....aa*, which has a defined *bb....bb*, cannot be deleted because "RESTRICT" is specified. (M+J+O)

An SQL statement was executed with RESTRICT specified for the drop behavior, but the SQL statement resulted in an error for one of the following reasons. <SQLSTATE: 42144>

1. An attempt was made to delete base tables for which indexes or constraints were defined.
2. An attempt was made to delete schemas for which tables were defined.
3. An attempt was made to delete a table on which viewed tables depend.

Note

Because range indexes are always defined for archivable multi-chunk tables, deleting an archivable multi-chunk table results in error for reason 1 above.

aa....aa: SQL statement that caused the error

- table: DROP TABLE statement
- schema: DROP SCHEMA statement
- viewed table: DROP VIEW statement

bb....bb: Resource that is defined

- table: Table
- index: Index
- viewed table: Viewed table
- constraint: Constraint

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Make sure that no problems occur if tables, indexes, or constraints are deleted (or viewed tables are deleted or invalidated) during execution of the DROP TABLE statement, DROP SCHEMA statement, or DROP VIEW statement.

If there are no problems, re-execute the SQL statement with CASCADE specified for the drop behavior or without specifying the drop behavior.

KFAA30705-E

The value *aa....aa* of option "*bb....bb*" in statement *cc....cc* is outside the specified range. (M+J+O)

A value outside the valid range was specified for a table option in the CREATE TABLE or ALTER TABLE statement, or for an index option in the CREATE INDEX statement. <SQLSTATE: 425D5>

aa....aa: Invalid specification value

If it cannot be output, *** is displayed.

bb....bb: Name of option for which the out-of-range value was specified

- PCTFREE
- CHUNK

cc....cc: Executed SQL statement

- ALTER TABLE
- CREATE TABLE
- CREATE INDEX

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the table or index option for which the out-of-range value was specified.

KFAA30706-E

The number of defined indexes in table "*aa....aa*".*bb....bb*" exceeded 32. (M+J+O)

The number of indexes that can be defined for a single table has exceeded the upper limit of 32. <SQLSTATE: 5600B>

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Reduce the number of indexes that are defined for the table.

KFAA30720-E

An error occurred in the client library. (file = "aa....aa", location = bb....bb) (M+J+O)

An internal conflict occurred in a client library. <SQLSTATE: 5C011>

aa....aa:

Name of the source file that detected the error

bb....bb:

Position where error was detected

S:

Terminates processing.

Action:

Re-execute the application program. If this message is output, it means that the connection to the HADB server has been closed; you must restore the connection before executing. If reconnecting does not resolve the problem, make a backup of the client message log file, and then contact the customer support center.

KFAA30722-E

A communication error occurred. (reason = "aa....aa") (M+J+O)

A communication error that prevents continued processing has occurred during SQL statement processing.

aa....aa: Cause of the error

- CONNECTION CLOSED: The connection to the HADB server was closed. <SQLSTATE: 52320>
- INVALID DATA: Invalid data was received from the HADB server. <SQLSTATE: 52321>

S:

Terminates processing. Closes connection to HADB server.

Action:

Re-execute the application program or command. If this message is output, the connection with the HADB server has been closed. To re-execute the application program, therefore, you must first restore the connection with the HADB server.

If the cause of the error is CONNECTION CLOSED and the HADB server cannot be re-connected, it might have shut down. Check whether the HADB server has shut down.

If the HADB server is running but connection cannot be established, the HADB server and client versions might be different. If a message was output to the server message log file indicating that the connection to the HADB server was rejected, check the versions of the HADB server and the HADB client, and make sure that they are the same.

KFAA30723-E

Communication with the server failed. (reason = "aa....aa") (M+J+O)

An error occurred during communication with the HADB server. Another possibility is that the HADB server terminated abnormally.

aa....aa:

Cause of the failure

Value of aa....aa	Meaning	SQLSTATE
SERVER NOT UP	The HADB server is not running.	08004
HOST NAME	The address of the target host cannot be acquired.	52322
NETWORK	One of the following failures was detected: <ul style="list-style-type: none"> • A failure occurred on the network. • The connection was blocked by the local firewall rules. • The HADB server terminated abnormally and the connection was closed. • The connection was closed because the HADB client version differs from the HADB server version. 	52324
SecurityException	A security violation occurred in the JDBC driver.	52325
TIMEOUT	A timeout occurred during connection to the HADB server or data transmission.	52326
SYSTEM CALL ERROR	A system call error occurred during communication processing.	52328
DESCRIPTOR	A descriptor shortage occurred.	53040
INSUFFICIENT NETWORK PORT	Allocation of communication port numbers failed.	53041
CLIENT MEMORY	A memory shortage occurred in a client library.	53201

S:

Terminates processing.

Action:

Re-execute the application program. If this message is output, it means that the connection to the HADB server has been closed; you must restore the connection before re-executing.

If CLIENT MEMORY is indicated as the cause of the failure, use the following procedure to resolve the memory shortage:

1. Check for any unnecessary processes. If any unnecessary processes are running, shut them down. Then, re-execute the command or SQL statement.
2. If there is not enough memory after performing step 1, restart the OS. Then, re-execute the command or SQL statement.
3. If there is not enough memory after performing step 2, change the kernel parameter setting to increase the amount of memory that processes can use. Restart the OS, and then re-execute the command or SQL statement.

If HOST NAME is displayed as the cause of the failure, carefully review the values specified in the client definition's `adb_clt_rpc_srv_host` operand, the hosts file, the settings of the DNS server, and so on.

If SERVER NOT UP is displayed even though the HADB server is running, check whether either of the following applies:

- Has the host name specified in the client definition's `adb_clt_rpc_srv_host` operand correctly resolved to the IP address of the host on which the HADB server is running?
- Is the same port number specified in the client definition's `adb_clt_rpc_srv_port` operand and the server definition's `adb_rpc_port` operand?

If neither of these resolves the problem, check the network settings, such as the firewall settings.

If `SecurityException` is displayed as the cause of the failure, enable a connect to the server host with `java.net.SocketPermission`, or disable the security manager. Also make sure that the server host name can be resolved.

KFAA30724-E

An environment variable is invalid. (variable = "aa....aa", reason = "bb....bb") (E+M+J+O)

The specified environment variable is invalid. <SQLSTATE: 42932>

aa....aa:

Environment variable name

bb....bb: Reason

- INVALID CHAR: An invalid character was specified for the environment variable value.
- NO VALUE: No environment variable value was specified.
- OUT OF RANGE: The path name specified as the environment variable value is too long. Another possibility is that the environment variable value has exceeded the range that can be specified.
- INVALID IDENTIFIER: The environment variable value is invalid.
- NOT DEFINE: The environment variable value has not been defined.
- FAILED TO ACCESS: The file or directory specified as the environment variable value does not exist.
- INVALID PATH FORMAT: The format of the environment variable value is invalid.
- LENGTH ERROR: The character string specified as the environment variable value is too long.
- INVALID LETTER: A character that cannot be specified was specified as the environment variable value.

S:

Terminates processing.

Action:

Carefully review the environment variable names and values.

KFAA30727-E

An SQL statement cannot be executed because the HADB system is starting or terminating. (M+J+O)

No SQL statements can be executed because the HADB server is being started or terminated. <SQLSTATE: 52004>

S:

Terminates processing.

Action:

Start the HADB server, and then retry the operation.

KFAA30732-E

No response can be received from the HADB server because processing on the HADB server timed out. (M+J+O)

An error occurred in the application program or command because HADB server processing did not terminate when the timeout period expired. <SQLSTATE: 52330>

S:

Terminates processing.

Action:

- **If this message is output during execution of an application program**

Make sure that the appropriate timeout period is specified.

If the timeout period is appropriate, re-execute the application program.

If the timeout period is not appropriate, change the timeout period, and then re-execute the application program.

If this message is output, it means that the connection to the HADB server has been closed. You must restore the connection when re-executing the application program.

The timeout period is specified in the following operands of the client definition:

- `adb_clt_rpc_sql_wait_time`
- `adb_clt_rpc_con_wait_time`

If you are using the JDBC driver, the timeout period is specified in the properties having the same names as the above or with a method such as `setQueryTimeout`.

- **If this message is output during execution of a command**

If an error message is output after the KFAA30732-E message, take the appropriate action for that message.

If no error message is output after the KFAA30732-E message, re-execute the command. At this time, make sure that the timeout period specified for the command is appropriate. If the timeout period is not appropriate, change it, and then re-execute the command.

KFAA30733-E

The received data is invalid. (information 1 = *aa....aa*, information 2 = *bb....bb*) (M+J+O)

Invalid data was received from the HADB server. <SQLSTATE: 5C015>

aa....aa:

Maintenance information 1

bb....bb:

Maintenance information 2

S:

Ignores this SQL statement.

Action:

Make a backup of the client message log file.

Then, contact the customer support center.

KFAA30742-E

A foreign key "aa....aa"."bb....bb" cannot be defined because the referenced table "cc....cc"."dd....dd" does not have a primary key. (M+J+O)

A foreign key cannot be defined because no primary key has been defined for the referenced table. <SQLSTATE: 42153>

aa....aa:

Foreign key schema name

bb....bb:

Foreign key constraint name

cc....cc:

Referenced table schema name

dd....dd:

Table identifier of referenced table

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement so that a table that has a primary key defined is specified as the referenced table.

KFAA30743-E

The structure of foreign key "aa....aa"."bb....bb" is different from that of the primary key of "cc....cc"."dd....dd". (M+J+O)

The structure of a foreign key is different from the structure of the primary key that the foreign key references. <SQLSTATE: 42154>

aa....aa:

Foreign key schema name

bb....bb:

Foreign key constraint name

cc....cc:

Schema name of the table for which the primary key is defined

dd....dd:

Identifier of the table in which the primary key is defined

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Check the structure (the following items) of the foreign key and of the primary key that the foreign key references, and then correct the SQL statement.

- Number of columns
- Data type of each column

- Data length of each column

KFAA30744-E

A foreign key "aa....aa"."bb....bb" for "cc....cc"."dd....dd" cannot be defined because ee....ee. (M+J+O)

A foreign key cannot be defined for one of the following reasons: <SQLSTATE: 42155>

- The referenced table specified is not a base table.
- The referenced table is the same as the referencing table.

aa....aa:

Foreign key schema name

bb....bb:

Foreign key constraint name

cc....cc:

Referenced table schema name

dd....dd:

Table identifier of the referenced table

ee....ee:

Cause of the error

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

The following explains how to handle this:

- If the referenced table is not a real table is displayed for *ee....ee*
The referenced table specified is not a base table. Specify a base table for the referenced table.
- If the referenced table is the same as the referencing table is displayed for *ee....ee*
The referenced table is the same as the referencing table. Foreign keys cannot be defined using the same referenced table and referencing table, so correct or delete the referential constraint definition.

KFAA30748-E

The number of foreign keys that reference the primary key of "aa....aa"."bb....bb" exceeds 255. (M+J+O)

The number of foreign keys that reference a primary key exceeded 255. <SQLSTATE: 5600C>

aa....aa:

Schema name of the table for which the primary key is defined

bb....bb:

Identifier of the table in which the primary key is defined

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Delete unnecessary foreign keys.

KFAA30752-E

A connection is already established. (M+O)

A connection to the HADB server has already been established. Connection processing cannot be re-executed while there is a connection to the HADB server. <SQLSTATE: 08002>

S:

Ignores this SQL statement.

Action:

Carefully review the locations where connection processing to the HADB server occurs in the application program.

KFAA30756-E

DB area pages are insufficient. DB area = "aa....aa" (M+J+O)

No more pages can be created because the DB area file cannot be expanded. <SQLSTATE: 40503>

aa....aa:

DB area name

S:

Invalidates this transaction.

Action:

Expand the storage region in the DB area file. If the storage region cannot be expanded, change the DB area file's storage location. For more information, see *Problems related to free space on the disk* in the *HADB Setup and Operation Guide*.

If this message is output when you execute the `adbreorgsystemdata` command, take action as follows.

1. Execute the `adbreorgsystemdata` command for all system tables (base tables) except for those that could not be reorganized.
2. Re-execute the `adbreorgsystemdata` command for the system tables (base tables) that could not be reorganized.
3. If this message is output again after the `adbreorgsystemdata` command is executed in step 2, free disk space for storing the system-table DB area is insufficient. Estimate the size of the system-table DB area, and then increase the amount of free space for storing the system-table DB area. For details, see *Estimating the size of the system-table DB area* and *When a free space shortage is caused by an increase in the size of the DB area files* in the *HADB Setup and Operation Guide*.

KFAA30758-E

The EXCLUDE NULL VALUES option cannot be specified because *aa....aa*. (M+J+O)

The null-value exclusion specification (EXCLUDE NULL VALUES) cannot be specified due to one of the following reasons: <SQLSTATE: 42160>

- The null-value exclusion specification is specified for an index that is not a B-tree index.
- The indexed columns include a column for which the NOT NULL constraint is specified.

aa....aa: Cause of the error

- the index is not a B-tree index: The null-value exclusion specification is specified for an index that is not a B-tree index.
- there is a NOT NULL column in the indexed columns: The indexed columns include a column for which the NOT NULL constraint is specified.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Delete the null-value exclusion specification.

KFAA30798-E

Invalid usage of DEFAULT clause for *aa....aa "bb....bb"*. (reason = "cc....cc") (M+J+O)

A DEFAULT clause specification is invalid. <SQLSTATE: 42172>

aa....aa: Type of error

- column: Column

bb....bb:

Column name

cc....cc: Cause of the error

- the specified default option cannot be assigned to the data type of the specified string

The specified default option cannot be assigned to the data type of the column for which the DEFAULT clause is specified.

- a null value cannot be specified for a column having the NOT NULL constraint NULL is specified for a column for which NOT NULL constraint is defined.
- the length of the specified default option is invalid
The length of the default value is invalid.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the specification of the DEFAULT clause.

KFAA30800-E

Division by zero occurred in an arithmetic operation for the "aa....aa" data type. (M+J+O)

An attempt was made to divide by 0 in arithmetic operations with data type aa....aa. <SQLSTATE: 22012>

aa....aa: Data type that generated the division by 0

- INTEGER
- DECIMAL
- DOUBLE PRECISION

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement so that division by 0 does not occur.

KFAA30801-E

An overflow occurred in aa....aa of the "bb....bb" data type. (M+J+O)

One of the following errors occurred:

- An overflow occurred in operation aa....aa using numeric data type bb....bb. <SQLSTATE: 22003>
- An overflow occurred in operation aa....aa using datetime data type bb....bb. <SQLSTATE: 22008>

aa....aa: Type of operation that generated the overflow

- addition: Addition
- subtraction: Subtraction
- multiplication: Multiplication
- division: Division

bb....bb: Data type that generated the overflow

- INTEGER
- DECIMAL
- DOUBLE PRECISION
- DATE
- TIME
- TIMESTAMP

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement so that no overflow occurs.

KFAA30802-E

An overflow occurred for the "bb....bb" data type during processing of the function "aa....aa". (M+J+O)

An overflow occurred while a set function or a window function was executing. <SQLSTATE: 22003>

- COUNT

The number of target data items exceeded the maximum value that can be handled with the INTEGER type.

- SUM

An overflow occurred when the data being handled was added.

- AVG

One of the following errors occurred:

- An overflow occurred when the target data was added.
- The number of target data items exceeded the maximum value for the INTEGER type.

- STDDEV_POP, STDDEV_SAMP, VAR_POP, or VAR_SAMP

One of the following errors occurred:

- An overflow occurred when the target data or the square of the target data was added.
- The number of target data items exceeded the maximum value for the INTEGER type.
- An overflow occurred when the target data was multiplied.
- An overflow occurred when the result of a function was obtained from the sum of the target data, the sum of the squares of the target data, and the number of target data items.

- PERCENTILE_CONT or MEDIAN

One of the following errors occurred:

- The number of target data items exceeded the maximum value for the INTEGER type.
- An overflow occurred when the result of a function was obtained from The number of target data items and the function's argument values.

- PERCENTILE_DISC

The number of target data items exceeded the maximum value for the INTEGER type.

- RANK, DENSE_RANK, CUME_DIST, or ROW_NUMBER

The number of target data items exceeded the maximum value for the INTEGER type.

aa....aa:

Name of the function resulting in an error

bb....bb: Data type that generated the overflow

- INTEGER
- SMALLINT
- DECIMAL
- DOUBLE PRECISION

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Eliminate the cause of the overflow by taking an action such as reducing the number of data items handled by the operation. For details about the maximum and minimum values for each data type, see *List of data types* in the manual *HADB SQL Reference*.

KFAA30803-E

Key values on a unique index are duplicated. index ID = aa....aa (M+J+O)

An attempt was made to update or add data that would have resulted in key values of a unique index being duplicated.
<SQLSTATE: 23504>

aa....aa:

Index ID

S:

Invalidates this transaction.

Action:

Check for errors in the data being updated or added.

Note that you can use an index ID as a key to identify the names of the table and column in which column value duplication exists. For details about how to do this, see *Searching a dictionary table* in the *HADB Setup and Operation Guide*.

KFAA30805-E

An invalid statement handle was specified. (M+J+O)

An invalid statement handle was specified. The possible causes are as follows: <SQLSTATE: 56020>

- The statement handle used during execution of the definition SQL statement was released after normal termination of that SQL statement. Therefore, it is not necessary to release the statement handle.
- When a COMMIT or ROLLBACK is executed, the statement handle is released, so it is not necessary to release the statement handle.
- When a ROLLBACK is generated by an error, the statement handle is released, so it is not necessary to release the statement handle. Use EndTran in the SQL result information to determine whether a ROLLBACK was generated by an error.

S:

Ignores this SQL statement.

Action:

Correct the application program. Correct the statement handle, or delete the release processing for the statement handle.

KFAA30808-E

The row length of the work table exceeds *aa....aa* bytes. (M+J+O)

The row length of the work table exceeds *aa....aa* bytes. <SQLSTATE: 40518>

aa....aa:

Maximum row length of the work table

S:

Invalidates this transaction.

Action:

Correct the SQL statement to reduce the columns of the work table so that the row length of the work table is *aa....aa* bytes or fewer. For details about columns of the work table, see *Work tables created when SQL statements are executed in the HADB Application Development Guide*.

If you cannot reduce the columns of the work table, you might be able to prevent this error by changing the page size of the work table DB area. To change the page size of the work table DB area, temporarily terminate the HADB server by using the `adbstop` command, and then change the value specified for the `adb_dbarea_wrk_page_size` operand in the server definition. Then, execute the `adbstart` command to start the HADB server.

For details about the relationship between the page size of the work table DB area and the maximum row length of the work table, see *Maximum row length of work table* in *Maximum and minimum values related to database* in the *HADB Setup and Operation Guide*.

KFAA30811-E

The number of *aa....aa* exceeded the definable maximum. (M+J+O)

The number of base tables, indexes, viewed tables, or HADB users exceeded the maximum number defined for the system. <SQLSTATE: 40900>

aa....aa: Item whose maximum number was exceeded

- `tables`: Base tables
- `indexes`: Indexes
- `views`: Viewed tables
- `users`: HADB users

S:

Invalidates this transaction.

Action:

Delete unnecessary base tables, indexes, viewed tables, and HADB users.

If this message was issued while you were upgrading the HADB server, restore the previous version of the HADB server, and then reduce the number of schemas to 30,000 or fewer. After that, upgrade the HADB server again. For details about the procedure, see *Steps to take when the KFAA30811-E message is output* in *Steps to take when version upgrading fails* in the *HADB Setup and Operation Guide*.

KFAA30812-E

No more *aa....aa* can be defined because the number of *aa....aa* in the DB area "*cc....cc*" has reached the maximum *bbb*. (M+J+O)

The number of tables or indexes has exceeded the maximum that can be stored in a single DB area. <SQLSTATE: 40910>

aa....aa: Resource that exceeded the upper limit

- *tables*: Tables
- *indexes*: Indexes

bbb:

The maximum number of tables or indexes that can be stored

cc....cc:

DB area name

S:

Invalidates this transaction.

Action:

Delete unneeded tables or indexes in the DB area.

KFAA30821-E

The SQL statement length exceeds 16,000,000 bytes or is invalid. (M+J+O)

The SQL statement length has exceeded the upper limit of 16,000,000 bytes, or the length is invalid. <SQLSTATE: 5600E>

S:

Ignores this SQL statement.

Action:

Correct the SQL statement length.

KFAA30824-E

Analysis of the client definitions failed. (M+O)

An analysis of the client definitions has failed. <SQLSTATE: 54006>

S:

Ignores this SQL statement.

Action:

Eliminate the cause of the error based on the message that was output immediately prior to this message.

KFAA30873-E

The batch update facility can be used only on prepared statement handles of DELETE, INSERT, and UPDATE. (M+J+O)

The following functions cannot be used on statement handles prepared for execution of statements other than DELETE, INSERT, and UPDATE: <SQLSTATE: 54012>

- Batch update functionality of the JDBC driver
- Update using batch binding of dynamic parameters of the CLI function (`a_rdb_SQLBindArrayParams()`)

S:

Ignores this SQL statement.

Action:

Perform preprocessing of the DELETE, INSERT, and UPDATE statements, and then perform batch binding or batch update of dynamic parameters.

KFAA30879-E

The index (number *aa....aa* in DB area "*bb....bb*") must be rebuilt to access the table. (M+J+O)

An attempt was made to access an index that was in unfinished status. <SQLSTATE: 40508>

aa....aa:

Index ID of the index that was in unfinished status

bb....bb:

Name of the DB area that stores the index that was in unfinished status

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

- If this message is output to a HADB client

Ask the HADB administrator to check the HADB server, or contact an OS user who belongs to the HADB administrators group.

- If this message is output to the HADB server

If, on a table for which the target index is defined, an `adbimport` or `adbidxrebuild` command is suspended, re-execute the suspended command.

Otherwise, re-create the index in unfinished status by using the `adbidxrebuild` command.

Note that you can use an index ID as a key to identify the name of the index in unfinished status and the name of the table in which that index is defined. For details about how to do this, see *Searching a dictionary table* in the *HADB Setup and Operation Guide*.

KFAA30889-E

The command must be re-executed to access the table. (table ID = *aa....aa*, command =*bb....bb*) (M+J+O)

An attempt was made to access a table that is in non-updateable status due to a suspended command. <SQLSTATE: 4050D>

aa....aa:

Table ID of table that is in non-updateable status

bb....bb:

Suspended command

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

- If this message is output to a HADB client
Ask the HADB administrator to check the HADB server, or contact an OS user who belongs to the HADB administrators group.
- If this message is output to the HADB server
Re-execute the command displayed for *bb....bb*.

For details about the status in which a table cannot be updated, see *Steps to take when a base table becomes non-updatable* in the *HADB Setup and Operation Guide*.

Note that you can use a table ID as a key to identify the name of a table that cannot be updated. For details about how to do this, see *Searching a dictionary table* in the *HADB Setup and Operation Guide*.

KFAA30901-E

Execution was requested for an SQL statement for which preparation was not complete. (M+J+O)

Execution of an SQL statement was requested before preprocessing of the SQL statement had terminated normally. <SQLSTATE: 54009>

S:

Ignores this SQL statement.

Action:

Wait for preprocessing of the SQL statement to terminate normally, and then execute the application program. When a rollback occurs after preprocessing of an SQL statement has terminated normally, wait for preprocessing of the SQL statement to terminate normally again, and then execute the application program.

KFAA30913-E

An error occurred during lock processing. (M+J+O)

An error occurred during lock processing. <SQLSTATE: 4050G>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Re-execute the SQL statement.

KFAA30914-E

Lock processing timed out. (M+J+O)

Processing to reserve a lock timed out. <SQLSTATE: 4050P>

S:

Ignores this SQL statement.

Action:

Re-execute the SQL statement.

KFAA30918-E

Global buffer undefined. (M+J+O)

No global buffer has been assigned to the DB area. <SQLSTATE: 40602>

S:

Invalidates this transaction.

Action:

- If this message was output to an HADB client

Ask the HADB administrator to check the HADB server, or contact an OS user who belongs to the HADB administrators group.

- If this message was output to the HADB server

Perform the following procedure to take action.

1. Temporarily terminate the HADB server by using the `adbstop` command.
2. Check the KFAA41200-E message (concerning global buffers) that was output prior to this message, and then correct the server definition's `adbbuff` operand.
3. Execute the `adbstart` command to start the HADB server.
4. Retry the operation that caused an error.

KFAA30919-E

Insufficient buffer. (reason = *aa....aa*) (M+J+O)

Processing cannot continue because there are not enough buffer sectors. <SQLSTATE: 40701>

aa....aa: Cause of the error

- SERVER: Server definition
- COMMAND: Command option
- CLIENT: Client definition

S:

Invalidates this transaction.

Action:

- If this message was output to an HADB client
Take corrective action as described in the following table:

Cause of the error output for <i>aa....aa</i>	Corrective action
SERVER	Ask the HADB administrator to check the HADB server.
CLIENT	Increase the value specified in the client definition's <code>adb_dbbuff_wrktbl_clt_blk_num</code> operand.

- If this message was output to the HADB server

See the corrective action for the KFAA41201-E message that was output before this message.

KFAA30930-E

Memory to execute SQL is insufficient. (memory type = *aa....aa*, request size = *bb....bb*) (M+J+O)

An attempt to acquire enough memory to execute the SQL statement has failed. <SQLSTATE: 53201>

aa....aa: Type of memory that is insufficient

- PROCESS: There is a shortage of process common memory to be used to execute the SQL statement.
- THREAD: There is a shortage of real thread private memory to be used to execute the SQL statement.
- HEAP: Heap memory is insufficient.
- SHARE: Shared memory is insufficient.

bb....bb:

Size of memory area you attempted to acquire (bytes)

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Take one of the following corrective actions, and then re-execute the SQL statement or the command.

- Re-estimate the amount of memory required, and then carefully review the value specified in the server definition.

Temporarily terminate the HADB server by using the `adbstop` command, and then change the value specified in the server definition. Then, execute the `adbstart` command to start the HADB server.

- Allocate sufficient available memory as instructed in *Steps to take when a memory shortage occurs during execution of an SQL statement or command* in the *HADB Setup and Operation Guide*.

KFAA30931-E

The number of statement handles exceeded the maximum. (M+J+O)

The number of statement handles has exceeded the upper limit of 4,095. <SQLSTATE: 56033>

S:

Ignores this SQL statement.

Action:

Executing COMMIT releases statement handles, so increase the number of times COMMIT is invoked.

KFAA30932-E

No more connection can be established. (M+J+O)

No more connections can be established to the HADB server because the number of connections has reached the maximum for simultaneous connections. <SQLSTATE: 08620>

S:

Ignores this SQL statement.

Action:

Disconnect other application programs from the HADB server, and then connect to the HADB server.

KFAA30953-E

The global buffer is currently unusable. (reason = aa....aa) (M+J+O)

The global buffer cannot be used for the reason indicated by aa....aa. <SQLSTATE: 40704>

aa....aa: Reason why the global buffer is unavailable

buffer is busy: The load on the global buffer is too high.

S:

Invalidates this transaction.

Action:

The global buffer is temporarily unavailable due to contention, resulting in global buffer locking. Wait until the load on the global buffer decreases, and then perform the processing again.

If the KFAA41202-E message was displayed before this message, also see the action to be taken for the KFAA41202-E message.

KFAA30955-E

SQL or command processing was canceled and the transaction was rolled back. (information 1 = *aa....aa*, information 2 = *bb....bb*) (M+J+O)

Processing of the SQL statement or command was canceled and the transaction was rolled back. <SQLSTATE: 5B002>

When a transaction is forced to terminate using the `adbcancel` command, the application program is disconnected from the HADB server. Check in the SQL results information whether the application program has been disconnected from the HADB server, and then check whether a KFAA70001-I message was output immediately afterwards.

aa....aa:

Troubleshooting information 1

bb....bb:

Troubleshooting information 2

S:

Ignores this SQL statement.

Action:

Carefully review the SQL statement, and then re-execute it.

This message is also displayed if processing of the `adbreorgsystemdata` command timed out. In such a case, take one of the following corrective actions:

- Increase the timeout period of the `adbreorgsystemdata` command.
Increase the value specified for the `--timeout` option, and then re-execute the `adbreorgsystemdata` command.
- Stop the SQL statement or command that places the `adbreorgsystemdata` command in wait status.
Release the `adbreorgsystemdata` command from the wait status. For details about how to stop the SQL statement or command that caused the wait status, see *Reorganization of a system table and lock control* in the *HADB Setup and Operation Guide*. Then, re-execute the `adbreorgsystemdata` command.

KFAA30959-E

The operation on the file or directory "*aa....aa*" failed. *errno* = *bb....bb*, *file* = *cc....cc* (M+J+O)

An error occurred in processing on a directory or one of the following files. <SQLSTATE: 40528>

- DB area file
- System file
- Directory
- CSV file that will be the input data file of the `ADB_CSVREAD` function
- Audit trail file that will be the input data of the `ADB_AUDITREAD` function
- File used for synonym search (synonym list definition file, dictionary creation file, dictionary deletion file, synonym dictionary file, or temporary work file)

aa....aa:

Name of invalid system call

bb....bb:

Error number or 0

cc....cc:

File name or asterisk (*) or ***)

S:

Invalidates this transaction.

Action:

Take one of the following corrective actions:

• If a file name or three asterisks (*) is displayed in place of *cc....cc***

- If *bb....bb* is not 0

In the OS documentation, check the system call name indicated by *aa....aa* and the error number indicated by *bb....bb*, and then eliminate the cause of the error.

If *aa....aa* is `aio_read`, also check system call `read`. If *aa....aa* is `aio_write`, also check system call `write`.

If an error occurred in a symbolic link file, check the link target files in addition to that file.

For details about how to take action for each cause of the error, see *Troubleshooting* in the *HADB Setup and Operation Guide*. If this message is output during command execution, also see *Command-related problems* in the *HADB Setup and Operation Guide*.

If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

If a KFAA41200-E message was output immediately prior to this message, carefully review the settings of the file displayed in place of *cc....cc*.

- If *bb....bb* is 0

Re-execute the transaction. If re-executing the transaction results in the same error, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

If this message is output during execution of an SQL statement with the scalar function `CONTAINS` (with the synonym-search specification) specified, check whether a file name that begins with a synonym dictionary name is displayed for *cc....cc*. If a file name that begins with a synonym dictionary name is displayed, the synonym dictionary file might not exist. Check in the OS documentation for the system call name and error number that are displayed. If the error is caused by the absence of a synonym dictionary file, re-register the synonym dictionary and re-create the synonym dictionary file.

• If an asterisk (*) is displayed in place of *cc....cc*

Check and, if necessary, revise the `aio_max_nr` kernel parameter value by referencing *Estimating the kernel parameters* in the *HADB Setup and Operation Guide*. Alternatively, check and, if necessary, revise the following settings:

- If this message was issued while the `adbimport` command was executing
Specify a smaller value in the import option `adb_import_buff_blk_num`.
- If this message was issued while the `adbidxrebuild` command was executing
Reduce the value of the `adb_idxrebuild_buff_blk_num` index rebuild option.
- If this message was issued while the `adbexport` command was executing
Reduce the value of the `adb_export_wrktbl_blk_num` export option.
- If this message was issued while the `adbmergechunk` command was executing

Reduce the value of the `adb_mergechunk_buff_blk_num` merge chunk option.

- If this message was issued while the `adbunarchivechunk` command was executing
Specify a smaller value in the unarchived chunk option `adb_unarccv_buff_blk_num`.
- If this message was issued while an SQL statement was executing
Specify a smaller value in the client definition's `adb_dbbuff_wrktbl_clt_blk_num` operand.

KFAA30984-E

The HADB client cannot connect to the HADB server because the versions of the HADB client and HADB server are different. (HADB client version = "*aa....aa*", HADB server version = "*bb....bb*") (M+J+O)

The HADB client cannot connect to the HADB server because the versions of the HADB client and HADB server are different. <SQLSTATE: 0860C>

aa....aa:

Version of the HADB client

bb....bb:

Version of the HADB server

S:

Ignores this SQL statement.

Action:

Match the version of the HADB client to that of the HADB server.

KFAA30990-E

The character encodings of the HADB client and HADB server are different. (client = "*aa....aa*", server = "*bb....bb*") (M+O)

The character encoding of the HADB server and client do not match. <SQLSTATE: 08605>

aa....aa:

Character encoding of the HADB client

bb....bb:

Character encoding of the HADB server

S:

Ignores this SQL statement.

Action:

Check whether the environment variable `ADBCLTLANG` matches the character encoding of the HADB server.

KFAA31120-E

The window function "bb....bb" is specified in argument of aa....aa. (M+J+O)

The window function bb....bb cannot be specified in aa....aa. <SQLSTATE: 427H3>

aa....aa: Item that cannot be specified

- set function: Set function
- window function: Window function

bb....bb:

Window function name

S:

Ignores this SQL statement.

Action:

Correct the SQL statement, and then re-execute it.

KFAA31121-E

The CREATE VIEW statement length exceeds 64,000 bytes. (M+J+O)

The length of a CREATE VIEW statement exceeds 64,000 bytes. <SQLSTATE: 5600E>

S:

Ignores this SQL statement.

Action:

Correct the SQL statement length, and then retry the operation.

KFAA31123-E

Sort keys are duplicated in the "ORDER BY" clause. (sort key No: aa, bb) (M+J+O)

Columns used as sort keys specified in the ORDER BY clause are duplicated. <SQLSTATE: 42736>

aa:

Number indicating the location of the first occurrence of the duplicated sort key

bb:

Number indicating the location of the second occurrence of the duplicated sort key

S:

Ignores this SQL statement.

Action:

Correct the sort keys specification in the ORDER BY clause. The sort keys specified at positions aa and bb are duplicated.

Example message that is displayed:

KFAA31123-E Sort keys are duplicated in the "ORDER BY" clause. (Sort key No: 1, 2)

If the above message is displayed, the first and the second sort keys in the ORDER BY clause are the same.

KFAA31124-E

The number of sort keys specified in *aa....aa* exceeds 1. (M+J+O)

No more than one sort key can be specified in *aa....aa*. <SQLSTATE: 427B7>

aa....aa: Type of function

- inverse distribution function: Inverse distribution function

S:

Ignores this SQL statement.

Action:

Specify only one sort key.

KFAA31125-E

The number of window functions specified in the query specification or "ORDER BY" clause exceeds 8. (query number = *aa....aa*) (M+J+O)

The number of window functions specified in the query specification or the ORDER BY clause exceeds 8. <SQLSTATE: 427H4>

aa....aa: Position number of the query that specified the window function

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement.

Action:

Decrease the number of window functions specified.

KFAA31126-E

"Null ordering" cannot be specified in the "sorting specification list" of *aa....aa*. (function name = *bb....bb*) (M+J+O)

The null-value sort order cannot be specified in the sort specification list in *aa....aa*. <SQLSTATE: 427A5>

aa....aa:

- within group specification: WITHIN group specification

bb....bb:

Name of set function

S:

Ignores this SQL statement.

Action:

Delete the specification of the null-value sort order.

KFAA31127-E

The specification method of inverse distribution functions is invalid. (function name = "aa....aa", reason = bb....bb, query number = cc....cc) (M+J+O)

The specified inverse distribution function is invalid.

aa....aa:

Inverse distribution function name

bb....bb: Cause of the error

- **different column name:** Two or more inverse distribution functions with different column names specified in the aggregated argument are specified. <SQLSTATE: 427B9>
- **value expression:** A different inverse distribution function than the one with a value expression specified in the aggregated argument is specified. <SQLSTATE: 427BA>
- **different sort specification:** Multiple inverse distribution functions that contain different sort order specifications in the sort specification of a WITHIN group specification are specified. <SQLSTATE:427BB>

cc....cc: Position number of the query that specified the inverse distribution function

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA31128-E

The specification of the "FULL OUTER JOIN" is invalid. (reason = *aa....aa* , details = *bb....bb*) (M+J+O)

A FULL OUTER JOIN specification has the following error:

- An external reference column whose reference destination is a table reference specified in FULL OUTER JOIN was specified. For details, see *Common rules for subqueries* in *Rules in Specification format and rules for subqueries* in the manual *HADB SQL Reference*. <SQLSTATE:427I8>

aa....aa: Cause of the error

correlated subqueries: An external reference column was specified.

bb....bb:

The column which refers to "Table Reference" in "FULL OUTER JOIN": A column that references a table reference specified in FULL OUTER JOIN was specified.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31129-E

The specified number of *aa....aa* exceeds the maximum of *bb....bb*. (M+J+O)

The number of *aa....aa* that were specified exceeds the maximum *bb....bb*. <SQLSTATE:425CK>

aa....aa: Specification that exceeded maximum

- FULL OUTER JOIN: FULL OUTER JOIN specification for joined table

bb....bb:

Maximum number of specifications

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the number of *aa....aa* specified to be *bb....bb* or fewer.

KFAA31131-E

A delimited identifier which contains left parentheses or right parentheses can be specified only in the first query specification except for a WITH clause in the SELECT statement. (M+J+O)

A delimited identifier that contains left or right parentheses can be specified only in the first query specification in the SELECT statement. However, a delimited identifier that contains left or right parentheses cannot be specified for a query specification in the WITH clause. <SQLSTATE: 425CL>

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA31132-E

NULL can be specified as the selection expression of a SELECT statement only in the outermost query excluding WITH clauses and provided that the query is not the target of set operators. (M+J+O)

Although NULL is specified in the selection expression in a query specification, an error occurred in the SELECT statement because the following conditions are not met. <SQLSTATE: 425CM>

- NULL can be specified only in the selection expression for the outermost query specification in the SELECT statement.
- NULL cannot be specified in the selection expression for a query specification that is the target of the set operation.
- NULL cannot be specified in the selection expression for a query specification in the WITH clause.

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA31135-E

The specification of the maximum number of recursion is invalid. (reason = aa....aa, with list number = bb....bb)
(M+J+O)

The specification of the maximum-number-of-recursions specification is invalid. <SQLSTATE: 425Q0>

aa....aa: Cause of the error

- value is incorrect: The specified value is invalid.

bb....bb:

List number of the WITH list for which the maximum-number-of-recursions specification is specified

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31201-E

The grouping column name for the grouping specification that specified "AS column name" cannot be referenced from a subquery in a *aa....aa*. (M+J+O)

If AS *column-name* is specified in the GROUP BY clause, the grouping column name cannot be referenced from a subquery in *aa....aa*. <SQLSTATE: 427I5>

aa....aa: Location of specification in which the error occurred

- "HAVING" clause: HAVING clause
- selection expression: Selection expression

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31202-E

If you specify "AS column name" as the grouping column in the "GROUP BY" clause, a value expression other than a column specification must be included. (M)

If AS *column-name* is specified in the GROUP BY clause, a value expression containing only column specifications cannot be specified in the GROUP BY clause. <SQLSTATE: 42710>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31203-E

The *aa....aa* cannot be specified because of a restriction. (reason = *bb....bb*) (M+J+O)

aa....aa cannot be specified. <SQLSTATE: 427A3>

aa....aa: Item that cannot be specified

- special register "CURRENT_USER_IS_DBA"

bb....bb: Reason why the item cannot be specified

being used by the system: The item is being used by the system.

S:

Ignores this SQL statement.

Action:

Enclose CURRENT_USER_IS_DBA in double quotation marks ("").

KFAA31204-E

An invalid item (*aa....aa*) was specified for the "WITH" clause. (M+J+O)

A dynamic parameter is specified in the WITH clause. <SQLSTATE: 427D3>

aa....aa: Items that cannot be specified in the WITH clause:

- dynamic parameter: A dynamic parameter

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31205-E

The data type or length of *aa....aa* column is invalid. (query number = *bb....bb*) (M)

The data type or length of column *aa....aa* is invalid.

A value expression whose result has a data length of 0 was specified. <SQLSTATE: 42705>

aa....aa:

- viewed table: A viewed table
- derived table: A derived table
- query name: A query name

bb....bb: Position number of the query that specified the invalid column

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31206-E

The *aa....aa* is invalid. (reason = *bb....bb*) (M+J+O)

The *aa....aa* specified is invalid. <SQLSTATE: 427A4>

aa....aa: Location of invalid specification

- insert value: Insertion value specified in an INSERT statement

bb....bb: Cause of the error

- specified identifier: An identifier was specified.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31207-E

The table name of the table reference for the outermost query cannot be referenced from a subquery in an "ORDER BY" clause. (M+J+O)

The table name of the table reference specified in the outermost query specification cannot be referenced from the subquery in the ORDER BY clause. <SQLSTATE: 42717>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31208-E

The index specification is invalid. (table name="*aa....aa*".*bb....bb* as "*cc....cc*" reason = *dd....dd*) (M+J+O)

The index specification is invalid for table *aa....aa.bb....bb* (correlation name *cc....cc*).

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc: Correlation name

If no correlation name is specified, *** is displayed.

dd....dd: Cause of the error

- query name: An index is specified for a query name. <SQLSTATE: 428F0>
- viewed table: An index is specified for a viewed table. <SQLSTATE: 428F1>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31209-E

The chunk ID specification method is invalid. (reason = *aa....aa*) (M+J+O)

The specification of the chunk ID is invalid.

aa....aa: Cause of the error

- predicate kind: The predicate type is invalid. <SQLSTATE: 42767>
- specified position: The specified position is invalid. <SQLSTATE: 42768>
- no multi chunk table: The specified table is not a multi-chunk table. <SQLSTATE: 42769>
- table kind: The table type is invalid. <SQLSTATE: 42769>
- subquery: A subquery is specified. <SQLSTATE: 4276B>
- logical operator: A logical operator (AND, OR, or NOT) is specified. <SQLSTATE: 4276C>
- comparison partner: The comparison partner is invalid. <SQLSTATE: 4276D>
- value expression: A value expression is specified. <SQLSTATE: 4276E>

- statement kind: The SQL statement type is invalid. <SQLSTATE: 4276F>

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA31210-E

The number of set operations with an EXCEPT or INTERSECT operator in the SQL statement exceeds 63. (M+J+O)

The number of set operations specified in an SQL statement that include EXCEPT or INTERSECT exceeds the maximum of 63 that can be specified. <SQLSTATE: 427A6>

S:

Ignores this SQL statement.

Action:

Specify 63 or fewer set operations.

KFAA31212-E

The datetime format specified in the scalar function is not compatible with the "TIME" data. (argument number = *aaa*, function name = "bb....bb", query number = *cc....cc*) (M+J+O)

The datetime format specified in the scalar function *bb....bb* is not compatible with the time data. <SQLSTATE: 42787>

aaa:

Argument number

bb....bb:

Scalar function name

cc....cc: Position number of the query that specified *bb....bb*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the datetime format. Specify a datetime format (that specifies hours, minutes, or seconds) that is compatible with the time data.

KFAA31213-E

The format specification is invalid in a scalar function. (function name = *aa....aa*, reason = *bb....bb*, query number = *cc....cc*) (M+J+O)

The format specification is invalid in scalar function "aa....aa".

aa....aa:

Scalar function name

bb....bb: Cause of the error

- **value**: The specified value is invalid. <SQLSTATE: 2250G>
- **data type**: The data type specified in the format specification is invalid. <SQLSTATE: 42789>
- **data length**: The data length specified in the format specification is invalid. <SQLSTATE: 4278A>
- **not literal**: A non-literal is specified. <SQLSTATE: 4278B>
- **combination**: A combination error occurred. <SQLSTATE: 4278C>
- **sequence**: A sequence error occurred. <SQLSTATE: 4278D>

cc....cc: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the format specification.

KFAA31214-E

There are no format elements in the format specification of a scalar function. (function name = *aa....aa*, information = *bb....bb*, query number = *cc....cc*) (M+J+O)

A required element is missing from the format specification of scalar function "aa....aa". <SQLSTATE: 2250G>

aa....aa:

Scalar function name

bb....bb: Element required for the format specification:

- **YEAR**: Year
- **MONTH**: Month
- **DAY**: Day
- **HOUR**: Hour
- **MINUTE**: Minute
- **SECOND**: Second
- **NUMERIC**: Numeric element

cc....cc: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the format specification.

KFAA31215-E

The PURGE CHUNK statement is invalid. (reason = *aa....aa*) (M+J+O)

The specified PURGE CHUNK statement is invalid.

aa....aa: Cause of the error

- The chunk ID is not specified: The chunk ID is not specified in the search conditions. <SQLSTATE:427B5>
- The column name in a table of a delete target is specified: A column in the table from which chunks are to be deleted is specified in the search conditions. <SQLSTATE:427BC>

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA31216-E

The specification of the "LIMIT" clause is invalid. (reason = *aa....aa*) (M+J+O)

The specified LIMIT clause is invalid.

aa....aa: Cause of the error

- correlated subqueries: The LIMIT clause is specified for a derived table that has an external reference beyond the derived table for which the LIMIT clause is specified. For details, see *Explanation of specification format in Specification format and rules for subqueries* in the manual *HADB SQL Reference*. <SQLSTATE: 427I3>
- specified position: The position of the specified LIMIT clause is invalid. <SQLSTATE: 427I4>
- specified position of offset: The position at which the offset of the first row to return is specified is invalid. <SQLSTATE: 427I6>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31217-E

The data lengths of the arguments specified in *aa....aa* are not the same. (M+J+O)

The data lengths of the arguments specified in the scalar function "aa....aa" are different. <SQLSTATE: 2250I>

aa....aa:

- a scalar function "BITAND": Scalar function BITAND
- a scalar function "BITOR": Scalar function BITOR
- a scalar function "BITXOR": Scalar function BITXOR

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31218-E

The total size of dynamic parameters exceeds 32,000,000 bytes. (M+J+O)

The total data length of dynamic parameters exceeds 32,000,000 bytes. <SQLSTATE: 56034>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31219-E

A viewed table whose view level is *aa....aa* cannot be specified in the CREATE VIEW statement. (M+J+O)

A viewed table whose view level is *aa....aa* cannot be specified in the CREATE VIEW statement. <SQLSTATE: 42737>

aa....aa:

View level of the viewed table specified in the SQL statement

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31223-E

The subquery method specification is invalid. (reason = *aa....aa*, query number = *bb....bb*) (M+J+O)

The specified subquery processing method specification is invalid. <SQLSTATE: 428F5>

aa....aa: Cause of the error

- specified in a subquery of a derived table
The subquery processing method specification is specified for a table subquery of a derived table.
- specified in a subquery of multiset value constructor by query
The subquery processing method specification is specified for a table subquery of a multiset value constructor by query.

bb....bb: Position number of the query that specified the subquery processing method specification

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31226-E

The scalar function "LTDECODE" is specified incorrectly. (reason = *aa....aa*, query number = *bb....bb*) (M+J+O)

The specified scalar function LTDECODE contains an error. <SQLSTATE: 4278S>

aa....aa: Cause of the error

- a dynamic parameter by itself cannot be specified for all of the target data and comparison data
Parameters cannot be specified so that all of the following conditions are satisfied.
 - Only a single dynamic parameter is specified for the target data.
 - Only a single dynamic parameter is specified for all of the comparison data.
- a dynamic parameter by itself or NULL cannot be specified for all of the return value and predefined return value
Parameters cannot be specified so that all of the following conditions are satisfied.
 - Only a single dynamic parameter is specified for all of the return values, or NULL is specified.
 - Only a single dynamic parameter is specified for the predefined return value, or NULL is specified.

bb....bb: Query position number

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31234-E

The scalar function "*aa....aa*" is specified incorrectly. (reason = *bb....bb*) (M+J+O)

The specified scalar function "aa....aa" is invalid.

aa....aa:

Scalar function name

bb....bb: Cause of the error

- predicate kind: The predicate type is invalid. <SQLSTATE: 4278O>
- specified position: The specified position is invalid. <SQLSTATE: 4278P>
- comparison partner: The comparison partner is invalid. <SQLSTATE:4278Q>

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA31235-E

There is an error in the specification method of a scalar function argument. (function name = "aa....aa", reason = *bb....bb*, query number = *cc....cc*) (M+J+O)

The specification method of the *aa....aa* scalar function is invalid.

aa....aa:

Name of the scalar function in which the error occurred

bb....bb: Cause of the error

- the identification number is outside the valid range
The value of the identification number exceeds the range that can be specified. <SQLSTATE: 4278J>
- the total number of the types of scalar functions specified in the SQL statement exceeds 1,000
The total number of the types of identification numbers for the *aa....aa* scalar function that can be specified in the SQL statement exceeds 1,000. <SQLSTATE: 4278K>
- specified position is invalid
The *aa....aa* scalar function is specified in an invalid position. <SQLSTATE: 4278M>
- the specification of scalar functions that have the same identification number is invalid
The specification method of *aa....aa* scalar functions that have the same identification number is invalid. <SQLSTATE: 4278N>

cc....cc: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

However, if the value of SQLSTATE for *bb....bb* is 4278K, three asterisks (***) are displayed.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Check the rules for the scalar function displayed for *aa....aa* in the manual *HADB SQL Reference*, and then correct the SQL statement.

If *bb....bb* is the specification of scalar functions that have the same identification number is invalid, take one of the following actions:

- If *aa....aa* is RANDOMCURSOR

Correct the RANDOMCURSOR scalar functions specified with the same identification number in the SQL statement by using one of the following methods:

- Specify minimum and maximum values for only one RANDOMCURSOR scalar function (do not specify those values for any other RANDOMCURSOR scalar functions).
- Do not specify minimum and maximum values for any RANDOMCURSOR scalar functions.

- If *aa....aa* is RANDOMROW

Correct the RANDOMROW scalar functions specified with the same identification number in the query specification by using one of the following methods:

- Specify minimum and maximum values for only one RANDOMROW scalar function (do not specify these values for any other RANDOMROW scalar functions).
- Do not specify minimum and maximum values for any RANDOMROW scalar functions.

KFAA31239-E

The specification of the table function column list is invalid. (reason = *aa....aa*, query number = *bb....bb*) (M+J+O)

The table function column list specified in the table function derived table is invalid. <SQLSTATE: 427JA>

aa....aa: Cause of the error

- the table function column list cannot be specified for the system-defined function "ADB_AUDITREAD"

If the ADB_AUDITREAD function is specified in the table function derived table, the table function column list cannot be specified.

- the table function column list is not specified for the system-defined function "ADB_CSVREAD"

If the ADB_CSVREAD function is specified in the table function derived table, the table function column list must be specified.

bb....bb: Position number of the query that specified the table function derived table

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31240-E

The specification of the table function derived table that includes the system-defined function "aa....aa" is invalid.
(reason = bb....bb, detail = cc....cc, query number = dd....dd) (M)

The specification of the table function derived table with the system-defined function *aa....aa* specified is invalid.

aa....aa:

System-defined function name

bb....bb: Cause of the error

- specified position: The specified position is invalid. <SQLSTATE: 427K0>

cc....cc: Details about the error

- the table cannot be specified in correlated subqueries: The table function derived table cannot be specified in a subquery that includes an external reference column.
- the table cannot be specified in a multiset value expression: The table function derived table cannot be specified in a multiset value expression.

dd....dd: Position number of the query that specified the table function derived table

For details about query position numbers, see 1.5 Query position numbers.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31241-E

The argument specified in the system-defined function "aa....aa" is invalid. (argument number = bb....bb, reason = cc....cc, query number = dd....dd) (M+J+O)

The argument specified in the system-defined function *aa....aa* is invalid.

aa....aa:

System-defined function name

bb....bb:

Number of the argument that contains the error in the system-defined function

cc....cc:

Cause of the error

- data type is incorrect

The data type is invalid. <SQLSTATE: 427K1>

- the argument cannot be omitted in a multi-node configuration

If the multi-node function is used, a required argument is omitted. <SQLSTATE: 427K2>

dd....dd: Position number of the query that specified *aa....aa*

For details about query position numbers, see 1.5 Query position numbers.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31242-E

A multiset value constructor by query cannot be specified as an argument of the system-defined function "ADB_AUDITREAD". (query number = *aa....aa*) (M+J+O)

A multiset value constructor by query cannot be specified as an argument of the ADB_AUDITREAD function.
<SQLSTATE: 427K5>

aa....aa: Position number of the query that specified the ADB_AUDITREAD function

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31243-E

The set of audit trail file path names is invalid as a result of applying special characters in the audit file path names specified as the argument of the system-defined function "ADB_AUDITREAD". (reason = *aa....aa*, query number = *bb....bb*) (M+J+O)

There is a problem with the audit trail file path names (that contain special characters) specified as the argument of the ADB_AUDITREAD function.

aa....aa: Cause of the error

- no audit trail file path is specified for the input data
There is no audit trail file that will be the input data. <SQLSTATE: 427K6>
- the input data includes more than 65535 audit trail file path names
The number of audit trail files that will be the input data exceeds 65,535. <SQLSTATE: 427K7>

bb....bb: Position number of the query that specified the ADB_AUDITREAD function

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Take the corrective action for the cause of the error displayed for *aa....aa*.

Cause of the error displayed for aa....aa	Specification of arguments in the ADB_AUDITREAD function	Corrective action to take
no audit trail file path is specified for the input data	Argument specified	<p>Correct the audit trail file path names containing special characters specified as the argument of the ADB_AUDITREAD function. (Correct the audit trail file path names so that audit trail files that will be the input data of the ADB_AUDITREAD function exist.)</p> <p>Note that the current audit trail file will not be the input data of the ADB_AUDITREAD function.</p> <p>If you want to view an audit trail in the current audit trail file, swap the current audit trail file, and then execute the SELECT statement with the ADB_AUDITREAD function specified.</p>
	Argument not specified	<p>An audit trail file other than the current one does not exist under the audit trail directory. Therefore, there is no audit trail file that will be the input data of the ADB_AUDITREAD function. If you want to view an audit trail in the current audit trail file, swap the current audit trail file, and then execute the SELECT statement with the ADB_AUDITREAD function specified.</p> <p>If you want to view an audit trail file stored in a place that is not under the audit trail directory, specify the path name of that audit trail file in the ADB_AUDITREAD function.</p>
the input data includes more than 65535 audit trail file path names	Argument specified	Correct the audit trail file path names containing special characters specified as the argument of the ADB_AUDITREAD function. Make sure that the number of audit trail files that will be the input data of the ADB_AUDITREAD function does not exceed 65,535. [#]
	Argument not specified	Make sure that the number of audit trail files under the audit trail directory does not exceed 65,535. [#] For example, move audit trail files to the audit trail storage directory.

#

The current audit trail file is not subject to counting.

Note

- The audit trail directory is the directory specified in the `adb_audit_log_path` operand in the server definition.
- For details about how to swap the current audit trail file, see *Swapping the current audit trail file* in the *HADB Setup and Operation Guide*.

KFAA31260-E

The numbers of row value constructor elements of the row value constructors specified for the table value constructor are not the same. (query number = aa....aa) (M+J+O)

The numbers of row value constructor elements specified in the row value constructors do not match. <SQLSTATE: 427L0>

aa....aa: Position number of the query that specified the table value constructor

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31261-E

A row value constructor element specified for the row value constructor is invalid. (reason = *aa....aa*, query number = *bb....bb*) (M+J+O)

The specified row value constructor element is invalid. <SQLSTATE: 427M0>

aa....aa: Cause of the error

- invalid argument in a scalar function "CAST": The argument specified in the scalar function CAST is invalid.
- invalid argument in a scalar function "CONVERT": The argument specified in the scalar function CONVERT is invalid.

bb....bb: Position number of the query that specified the row value constructor

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31262-E

Dynamic parameters cannot be specified for the row value constructor elements of row value constructors specified for the table value constructor. (query number = *aa....aa*) (M+J+O)

A dynamic parameter alone cannot be specified in a row value constructor element. <SQLSTATE: 427M1>

aa....aa: Position number of the query that specified the table value constructor

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31280-E

The specified SQL statement is invalid. (reason = *aa....aa*) (M)

The SQL statement specification contains an error.

The following tables cannot be specified as target tables for deletion, insertion, or updating. <SQLSTATE: 42875>

- Column store table
- A viewed table that is defined by specifying a column store table in the outermost query specification

aa....aa: Cause of the error

- a column store table or a viewed table for which a column store table is specified in the outermost query in the viewed table definition, cannot be deleted, inserted, or updated: The specified table is invalid.

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA31301-E

The *aa....aa* is incorrectly specified. (reason = *bb....bb*) (M+J+O)

The specified LIMIT clause or window frame border is invalid.

- A value specified in the window frame value specification for a window frame border is invalid. <SQLSTATE: 22013>
- The value specified for *row-count* or *offset* in the LIMIT clause is invalid. <SQLSTATE: 22510>
- The data type of *row-count* or *offset* in the LIMIT clause is invalid. <SQLSTATE: 429D9>

aa....aa: Invalid specification

- limit row count: The maximum number of rows to return (*row-count*) as specified in the LIMIT clause
- offset row count: The offset of the first row to return (*offset*) as specified in the LIMIT clause
- window frame bound: Window frame border

bb....bb: Cause of the error

- value: The specified value is invalid.
- data type: The specified data type is invalid.

S:

Ignores this SQL statement.

Action:

Correct the SQL statement.

KFAA31306-E

The number *a* argument in the CLI function "*bb....bb*" is invalid.(number = *cc....cc*, reason = *dd....dd*) (M+J+O)

The a^{th} argument of CLI function $bb\ldots bb$ is invalid. <SQLSTATE: 54001>

a:

Order number of argument

bb....bb:

CLI function

cc....cc:

Specification sequence of ColumnInfo or ParameterInfo

dd....dd:

Cause of the error

S:

Ignores this SQL statement.

Action:

The following table shows the corrective action to take:

Value of <i>a</i>	Value of <i>bb....bb</i>	Value of <i>cc....cc</i>	Value of <i>dd....dd</i>	Corrective action to take
3	a_rdb_SQLBindArrayParams	0	ARRAY COUNT	The value specified in the argument ArrayCount is invalid. Specify a value of 1 or higher.
4	a_rdb_SQLBindArrayParams	0	PARAMETER COUNT	The value specified in the argument ParameterCount is invalid. Specify the number of dynamic parameters acquired with a_rdb_SQLNumParams().
5	a_rdb_SQLBindArrayParams	0 or more	PARAMETER INFO	<ul style="list-style-type: none">If the value of <i>cc....cc</i> is 0, the address specified in the argument ParameterInfo is invalid.If the value of <i>cc....cc</i> is 1 or more, the address specified in the <i>cc....cc</i>th place of the address array specified in the argument ParameterInfo is invalid. In either case, specify a correct address.
5	a_rdb_SQLBindArrayParams	0 or more	PARAMETER VALUE	<p>The address of a member of ParameterValue in one of the following ParameterInfo structures is invalid:</p> <ul style="list-style-type: none">• Array number of a ParameterInfo structure that includes the invalid ParameterValue: Value of <i>cc....cc</i> divided by the argument ParameterCount• Position of a ParameterInfo structure that includes the invalid ParameterValue: Remainder of <i>cc....cc</i> divided by the argument ParameterCount + 1 <p>If a value other than the one specified in a_rdb_SQL_NULL_DATA was specified in the member Ind of the ParameterInfo structure, specify a valid address.</p>
3	a_rdb_SQLBindCols	0	COLUMN COUNT	The value set is different from the column count returned by

Value of a	Value of bb....bb	Value of cc....cc	Value of dd....dd	Corrective action to take
				a_rdb_SQLNumResultCols(). Set the same value.
4	a_rdb_SQLBindCols	0	COLUMN INFO	The address specified in the argument ColumnInfo is invalid. Set the correct address.
4	a_rdb_SQLBindCols	1 or more	BUFFER LENGTH	The value of member BufferLength of the ColumnInfo structure specified in the cc....cc th position does not match the column length of the cc....cc th column found by the search. Guided by the column information returned by a_rdb_SQLDescribeCols(), set a valid value.
4	a_rdb_SQLBindCols	1 or more	TARGET VALUE	The address of member TargetValue of the ColumnInfo structure specified in the cc....cc th position is invalid. Set the correct address.
3	a_rdb_SQLBindParams	0	PARAMETER COUNT	The value set is different from the parameter count returned by a_rdb_SQLNumParams(). Set the same value.
4	a_rdb_SQLBindParams	0	PARAMETER INFO	The address specified in the argument ParameterInfo is invalid. Set the correct address.
4	a_rdb_SQLBindParams	1 or more	PARAMETER VALUE	The address of member ParameterValue of the ParameterInfo structure specified in the cc....cc th position is invalid. If a value other than a_rdb_SQL_NULL_DATA was set in the member Ind of the ParameterInfo structure, set a valid address.
3	a_rdb_SQLDescribeCols	0	COLUMN COUNT	The value set is different from the column count returned by a_rdb_SQLNumResultCols(). Set the same value.
4	a_rdb_SQLDescribeCols	0	COLUMN INFO	The address specified in the argument ColumnInfo is invalid. Set the correct address.
4	a_rdb_SQLDescribeCols	1 or more	NAME BUFFER LENGTH	The value of BufferLength in the ColumnNameInfo structure indicated by member NameInfo of the ColumnInfo structure specified in the cc....cc th position is too small. Increase the value.
4	a_rdb_SQLDescribeCols	1 or more	NAME	The address specified in Name in the ColumnNameInfo structure indicated by member NameInfo of the ColumnInfo structure specified in the cc....cc th position is invalid. Set the correct address.
3	a_rdb_SQLDescribeParams	0	PARAMETER COUNT	The value set is different from the parameter count returned by

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Value of a	Value of bb....bb	Value of cc....cc	Value of dd....dd	Corrective action to take
				a_rdb_SQLNumParams(). Set the same value.
4	a_rdb_SQLDescribeParams	0	PARAMETER INFO	The address specified in the argument ParameterInfo is invalid. Set the correct address.
3	a_rdb_SQLNumResultCols	0	COLUMN COUNT	The address specified in the argument ColumnCount is invalid. Set the correct address.
3	a_rdb_SQLNumParams	0	PARAMETER COUNT	The address specified in the argument ParameterCount is invalid. Set the correct address.

KFAA31307-E

At least one dynamic parameter does not have a set value. (M+J+O)

There is a dynamic parameter for which no value is set. <SQLSTATE: 24512>

S:

Ignores this SQL statement.

Action:

Take one of the following corrective actions:

- Set a value for the dynamic parameter in the SQL statement using a_rdb_SQLBindParams or a_rdb_SQLBindArrayParams.
- If a dynamic parameter was specified in an SQL statement specified by a_rdb_SQLExecDirect, either correct it to an SQL statement that does not specify a dynamic parameter, or re-execute the SQL statement with a_rdb_SQLExecute. However, if re-executing using a_rdb_SQLExecute, after the SQL statement preprocessing is completed, set a value for the dynamic parameter in the SQL statement using a_rdb_SQLBindParams or a_rdb_SQLBindArrayParams.

KFAA31310-E

An error has already occurred in the opened cursor. (M+J+O)

An error has already occurred in the opened cursor. Close the cursor. <SQLSTATE: 24513>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Eliminate the cause of the error generated previously for the query whose cursor is open, and then re-execute the SQL statement.

KFAA31371-E

The SQL statement cannot be executed because a required resource is locked. (name = aa....aa, object = bb....bb) (M+J+O)

The SQL statement cannot be executed because another SQL statement or command has locked a resource that the SQL statement needs to execute. <SQLSTATE: 52401>

aa....aa: Name of locked resource

- DBAREA: DB area
- TABLE: Table

bb....bb: Locked resource to be acquired

- If *aa....aa* is DBAREA
"cc....cc"
- If *aa....aa* is TABLE
"dd....dd"."ee....ee"

cc....cc:

DB area name

dd....dd:

Schema name

ee....ee:

Table name

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Wait for the other SQL statement or command that has locked the resource to terminate, and then re-execute the SQL statement. For details about locked resources acquired during SQL statement and command execution, see *Locked resources that are reserved and their lock modes* in the *HADB Setup and Operation Guide*.

KFAA31372-E

An error occurred during execution of an SQL statement that uses hash tables. (information1 = aa....aa, information2 = bb....bb, information3 = cc....cc, information4 = dd....dd) (M+J+O)

An error occurred when an SQL statement that uses hash tables was executing. <SQLSTATE: 5100J>

aa....aa: Cause of the error

- INSUFFICIENT MEMORY: The `adb_sql_exe_hashtbl_area_size` operand value (hash table area size) is too small for the executed SQL statement.

bb....bb:

Maintenance information

cc....cc:

Maintenance information

dd....dd:

Maintenance information

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Specify a larger value in the `adb_sql_exe_hashtbl_area_size` operand in the server or client definition.

If the error still occurs, take the following correction action:

- If the error occurs when executing a SQL statement that specifies a GROUP BY clause, use a grouping method specification. For details about grouping method specifications, see *Specification format and rules for GROUP BY clauses* in the manual *HADB SQL Reference*.

KFAA31373-E

There is an error in the specification method of a scalar function argument. (function name = "aa....aa", reason = "bb....bb") (M+J+O)

There is an error in the specification format of scalar function *aa....aa*.

aa....aa:

Scalar function name

bb....bb: Cause of the error

- `data length insufficient`: The result data is too short. <SQLSTATE: 22001>
- `overflow`: An overflow occurred. <SQLSTATE: 22003>
- `format`: There is an error in the character string format of the data to be converted. <SQLSTATE: 22018>
- `value`: The value of the data to be converted is invalid. <SQLSTATE: 22018>
- `out of range`: A value outside of the range that can be converted to the elements specified in the format specification is specified in the target data. <SQLSTATE: 22522>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

Note that this error might be output by a `CONVERT` scalar function that was generated internally when viewed tables defined prior to upgrading the version are searched after the version is upgraded. If this occurs, re-define the viewed table. For details about the conditions that generate the scalar function `CONVERT`, see *Notes on version upgrading* in *Upgrading the HADB server version* in *Building a System* of the *HADB Setup and Operation Guide*.

KFAA31375-E

The argument of the aggregate function "aa....aa" is invalid. (M+J+O)

There is an error in the range of the argument value for set function *aa....aa*. <SQLSTATE: 22003>

aa....aa:

Set function name

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31376-E

The *aa....aa* cannot be executed because one or more update chunks contains an archived chunk. (chunk ID = *bb....bb*) (M+J+O)

An attempt to execute the DELETE statement for the archivable multi-chunk table caused an error because the specified search condition did not meet the execution condition of the DELETE statement.

Alternatively, an attempt to execute the UPDATE statement for the archivable multi-chunk table caused an error because the specified search condition did not meet the execution condition of the UPDATE statement. <SQLSTATE: 5100K>

aa....aa: SQL statement that caused the error

- DELETE statement: DELETE statement
- UPDATE statement: UPDATE statement

bb....bb:

Chunk ID of the chunk subject to execution of the SQL statement

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Confirm that the search condition specified in the UPDATE statement or DELETE statement is appropriate. For details, see the following parts in the manual *HADB SQL Reference*:

- *Rules in Specification format and rules for the DELETE statement*
- *Rules in Specification format and rules for the UPDATE statement*

If you want to delete data in an archived chunk, release the chunk *bb....bb* from the archived state, and then execute the DELETE statement.

If you want to update data in an archived chunk, release the chunk *bb....bb* from the archived state, and then execute the UPDATE statement.

KFAA31377-E

The number of recursions in the recursive query exceeds the maximum (*aa....aa*). (M+J+O)

The number of recursions in the recursive query exceeds the maximum number of recursions *aa....aa*. <SQLSTATE: 5100L>

aa....aa:

Maximum number of recursions

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement according to the following actions:

- The number of recursions in the recursive query exceeds the maximum number of recursions. Increase the maximum number of recursions.
- An infinite loop might have occurred in the recursive query. Revise the termination condition of the recursive query, and then eliminate the infinite loop.

KFAA31405-E

The specified data type (*aa....aa*) and value (*bb....bb*) conflict. (query number = *cc....cc*) (M+J+O)

The value specified for labeled duration is invalid. <SQLSTATE: 42703>

The value resulting from the multiplication for labeled duration is outside the range that can be specified for the labeled duration.

aa....aa: Cause of the error

- **value**: The value specified for labeled duration or the value resulting from the multiplication for labeled duration is not in the specifiable range. The specifiable ranges are as follows:

YEAR (S) : -9,998 to +9,998

MONTH (S) : -119,987 to +119,987

DAY (S) : -3,652,058 to +3,652,058

HOUR (S) : -87,649,415 to +87,649,415

MINUTE (S) : -5,258,964,959 to +5,258,964,959

SECOND (S) : -315,537,897,599 to +315,537,897,599

MILLISECOND (S) : -315,537,897,599,999 to +315,537,897,599,999

MICROSECOND (S) : -315,537,897,599,999,999 to +315,537,897,599,999,999

NANOSECOND (S) : -9,223,372,036,854,775,807 to +9,223,372,036,854,775,807

PICOSECOND (S) : -9,223,372,036,854,775,807 to +9,223,372,036,854,775,807

bb....bb: Specification that generated the error

- **Labeled Duration**: A labeled duration

cc....cc: Position number of the query

For details about query position numbers, see 1.5 Query position numbers.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31420-E

The data length of an argument specified in the scalar function "aa....aa" is longer than bb....bb bytes. (query number = cc....cc) (M+J+O)

The data length of an argument specified in the scalar function "aa....aa" exceeds bb....bb bytes. <SQLSTATE: 42819>

aa....aa: Scalar function name

- `BIN`: Scalar function `BIN`
- `HEX`: Scalar function `HEX`

bb....bb: Maximum byte length

- 4,000: Maximum byte length that can be specified for an argument of the scalar function `BIN`
- 16,000: Maximum byte length that can be specified for an argument of the scalar function `HEX`

cc....cc: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

If *aa....aa* is `BIN`, make sure that the maximum data length of an argument in the scalar function `BIN` is 4,000 bytes or less.

If *aa....aa* is `HEX`, make sure that the maximum data length of an argument in the scalar function `HEX` is 16,000 bytes or less.

KFAA31424-E

The length of the regular expression character string of "LIKE_REGEX" predicate is wrong. (M+J+O)

The length of the regular expression character string specified in the `LIKE_REGEX` predicate is invalid. <SQLSTATE: 4278R>

S:

Ignores this SQL statement.

Action:

Correct the length of the regular expression character string.

KFAA31425-E

An invalid argument was specified in a scalar function. (function name = *aa....aa*, argument = *bb....bb*, query number = *cc....cc*) (M+J+O)

The specified scalar function is invalid.

- The data type of *bb....bb* is invalid in the LTRIM scalar function. <SQLSTATE: 42788>
- The data type of *bb....bb* is invalid in the RTRIM scalar function. <SQLSTATE: 42788>
- The data type of *bb....bb* is invalid in the TRIM scalar function. <SQLSTATE: 42788>
- The data length of *bb....bb* is invalid in the REPLACE scalar function. <SQLSTATE: 4278E>

aa....aa:

Scalar function name

bb....bb: Argument of the scalar function

- object data: Target data
- erase character: Deletion character

cc....cc: Position number of the query that specified *aa....aa*

For details about query position numbers, see [1.5 Query position numbers](#).

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31436-E

The *aa....aa* privilege specified as "RESTRICT" cannot be revoked. (reason = *bb....bb*) (M+J+O)

The *aa....aa* privilege cannot be revoked because RESTRICT is specified for the drop behavior. <SQLSTATE: 42K26>

aa....aa: Privilege that cannot be revoked

- SELECT: SELECT privilege
- REFERENCES: REFERENCES privilege
- ACCESS: Access privilege

bb....bb: Reason why it cannot be revoked

- viewed table exists:
There is a viewed table that was defined using the SELECT privilege whose revocation was attempted.
- referential constraints exist:
There is a referential constraint that was defined using the REFERENCES privilege whose revocation was attempted.
- dependent privileges exist:
The access privilege whose revocation was attempted has dependent privileges.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Take one of the following corrective actions:

- Re-execute the SQL statement with CASCADE specified for the drop behavior.

- Take one of the following corrective actions, and then re-execute the SQL statement with RESTRICT specified for the drop behavior.
 - If *bb...bb* is viewed table exists
Delete the viewed table defined using the SELECT privilege to be revoked.
 - If *bb...bb* is referential constraints exist
Delete the referential constraint defined using the REFERENCES privilege to be revoked.
 - If *bb...bb* is dependent privileges exist
Delete the dependent privileges of the access privilege to be revoked.

KFAA31470-E

The *aa...aa* is specified in the recursive member. (with list number = *bb...bb*, query number = *cc...cc*) (M+J+O)

aa...aa is specified in the recursive member. <SQLSTATE: 427N0>

aa...aa: Item that cannot be specified

- SELECT DISTINCT: SELECT DISTINCT
- "GROUP BY" clause: GROUP BY clause
- "HAVING" clause: HAVING clause
- "LIMIT" clause: LIMIT clause
- set function: Set function
- LEFT OUTER JOIN: LEFT OUTER JOIN
- RIGHT OUTER JOIN: RIGHT OUTER JOIN
- FULL OUTER JOIN: FULL OUTER JOIN
- more than one recursive query name: Multiple recursive query names

bb...bb:

List number of the WITH list element for which the recursive member is specified

cc...cc: Position number of the query that specified predicate *aa...aa*

For details about query position numbers, see [1.5 Query position numbers](#).

If *aa...aa* is "LIMIT" clause and the LIMIT clause is specified in the query expression body that contains the set operation, the position number of the first query specification in the query expression body is displayed.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31471-E

The data types of the columns derived from the anchor member and the recursive member are different. (with list number = *aa....aa*, column list number = *bb....bb*, anchor member data type = *cc....cc*, recursive member data type = *dd....dd*) (M+J+O)

The data type and data length of the column derived from the anchor member are different from those of the column derived from the recursive member. <SQLSTATE: 427N1>

aa....aa:

List number of the WITH list element that caused the error

bb....bb:

List number of the derived column that caused the error

cc....cc:

Data type of the derived column of the anchor member

dd....dd:

Data type of the derived column of the recursive member

The following information is output for *cc....cc* and *dd....dd*:

- INTEGER: INTEGER type
- SMALLINT: SMALLINT type
- DECIMAL (*m, n*): DECIMAL type (*m* indicates the precision, and *n* indicates scaling.)
- DOUBLE PRECISION: DOUBLE PRECISION type
- CHAR (*n*): CHAR type (*n* indicates the length of the character string.)
- VARCHAR (*n*): VARCHAR type (*n* indicates the maximum length of the character string.)
- DATE: DATE type
- TIME (*p*): TIME type (*p* indicates the fractional seconds precision.)
- TIMESTAMP (*p*): TIMESTAMP type (*p* indicates the fractional seconds precision.)
- BINARY (*n*): BINARY type (*n* indicates the binary data length.)
- VARBINARY (*n*): VARBINARY type (*n* indicates the maximum length of binary data.)

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31476-E

An error occurred during execution of the scalar function "*aa....aa*". (details = *bb....bb*) (M+J+O)

One of the following errors occurred while scalar function *aa....aa* was executing:

- The character string returned by scalar function TRANSLATE exceeded the permitted data length for execution results. <SQLSTATE: 22001>

- The character string returned by scalar function REPLACE exceeded the permitted data length for execution results. <SQLSTATE: 22001>
- An error occurred during data conversion:
 - The target data type is character string data. <SQLSTATE: 22001>
 - The target data type is numeric data. <SQLSTATE: 22003>
 - The target data type is datetime data. <SQLSTATE: 22018>
- An overflow error occurred in numeric data. <SQLSTATE: 22003>
- An overflow error occurred in datetime data. <SQLSTATE: 22008>
- A division by zero error occurred. <SQLSTATE: 22012>
- An out-of-range value was specified in the LN scalar function. <SQLSTATE: 2201E>
- An out-of-range value was specified in the POWER or SQRT scalar function. <SQLSTATE: 2201F>
- An out-of-range value was specified in a scalar function. <SQLSTATE: 2250H>

aa....aa:

Scalar function name

bb....bb: Error detail message

- **data length insufficient:** The returned value cannot be stored due to the limit on the data length for scalar function execution results.
- **division by zero error:** A division by zero error occurred.
- **domain error:** An out-of-range value was specified in a scalar function.
- **overflow error:** An overflow occurred.
- **transform error:** An error occurred during data conversion.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

The following table shows the corrective action to take:

Error detail message (<i>bb....bb</i>)	Corrective action to take
<i>data length insufficient</i>	Correct the SQL statement to increase the data length for scalar function execution results. If this message was issued when scalar function TRANSLATE was executing, see <i>Rules</i> in <i>TRANSLATE</i> in the manual <i>HADB SQL Reference</i> .
<i>division by zero error</i>	Correct the SQL statement so that the division by zero error will not occur. For details about the condition that results in a division by zero error, see <i>Scalar Functions</i> in the manual <i>HADB SQL Reference</i> (see the details of the scalar function displayed in place of <i>aa....aa</i>).
<i>domain error</i>	Correct the SQL statement so that an out-of-range value will not be passed to the scalar function. For details about the value range permitted for the scalar function, see description of the scalar function displayed in place of <i>aa....aa</i> under <i>Scalar Functions</i> in the manual <i>HADB SQL Reference</i> .
<i>overflow error</i>	Correct the SQL statement so that an overflow error will not occur.
<i>transform error</i>	Correct the SQL statement so that the target data can be stored in the data type of the scalar function's execution results.

KFAA31515-E

The cursor is not closed. (M+J+O)

The cursor has not been closed. <SQLSTATE: 24511>

S:

Ignores this SQL statement.

Action:

Close the cursor, and then re-execute the SQL statement.

KFAA31524-E

The SQL statement cannot be executed, because the transaction access mode is "READ_ONLY". (M+J+O)

The SQL statement could not be executed because the transaction access mode is read-only. <SQLSTATE: 25006>

S:

Ignores this SQL statement.

Action:

When the transaction access mode is read-only, the only SQL statements that can be executed are SELECT statements. Use one of the following methods to change the transaction access mode to read/write, and then re-execute the SQL statement.

- For the `setReadOnly` method of the JDBC driver's `Connection` interface, specify `false`.
- For the `Attribute` argument of the ODBC driver's `SQLSetConnectAttr`, specify `SQL_ATTR_ACCESS_MODE`, and for the `ValuePtr` argument, specify `SQL_MODE_READ_WRITE`.
- For the JDBC driver's `adb_clt_trn_access_mode` property (system property, user property, or property for connection URL), specify `READ_WRITE`.
- For the `Attribute` argument of the CLI function `a_rdb_SQLSetConnectAttr()`, specify `a_rdb_SQL_ATTR_ACCESS_MODE`, and for the `Value` argument, specify `a_rdb_SQL_ACCESS_MODE_READ_WRITE`.
- For the client definition's `adb_clt_trn_access_mode` operand, specify `READ_WRITE`.

KFAA31550-E

The name of the DB area for the index in ARCHIVABLE clause must be specified. (M+J+O)

The chunk-archive specification in the CREATE TABLE statement or ALTER TABLE statement is invalid. In the chunk-archive specification, a DB area must be specified to store the range index that is automatically defined by the HADB server. <SQLSTATE: 421BA>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Take one of the following actions:

■ Correct the SQL statement.

You must specify `IN DB-area-name` for the chunk-archive specification in the following cases:

- When you execute the CREATE TABLE statement
- When you execute the ALTER TABLE statement (if a range index is not specified in the column specified as an archive range column)

■ Specify the `adb_sql_default_dbarea_shared` operand in the server definition.

For the `adb_sql_default_dbarea_shared` operand, specify the DB area name that is assumed if the `IN DB-area-name` specification is omitted in the chunk-archive specification.

KFAA31551-E

aa....aa in ARCHIVABLE clause must not be specified. (M+J+O)

The chunk-archive specification in the ALTER TABLE statement is invalid. Neither `IN DB-area-name` nor `RANGEINDEXNAME` can be specified in the chunk-archive specification in the following case: <SQLSTATE: 421BB>

- A range index has already been specified on the column specified as an archive range column.

aa....aa: Invalid part

- The name of the DB area for the index
The specified name of the DB area that stores the range index (`IN DB-area-name`) is invalid.
- The index identifier
The specification of `RANGEINDEXNAME` in the chunk-archive specification is invalid.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

- If *aa....aa* is The name of the DB area for the index
Delete the specification of `IN DB-area-name` from the chunk-archive specification.
- If *aa....aa* is The index identifier
Delete the specification of `RANGEINDEXNAME` from the chunk-archive specification.

KFAA31552-E

The NOT NULL constraint must be specified for the archive range column. (M+J+O)

The NOT NULL constraint (NOT NULL) is not defined on the column specified for `RANGECOLUMN` in the chunk-archive specification in the ALTER TABLE statement. The NOT NULL constraint (NOT NULL) must be defined on the column specified as the archive range column. <SQLSTATE: 421BC>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Specify, as the archive range column, a column on which the NOT NULL constraint (NOT NULL) is defined.

KFAA31553-E

The ARCHIVABLE clause cannot be specified for a table that is not a multi-chunk table in ALTER TABLE. (M+J+O)

The chunk-archive specification in the ALTER TABLE statement cannot be specified for a single-chunk table.

<SQLSTATE: 42IBD>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

A single-chunk table cannot be changed to an archivable multi-chunk table by using the ALTER TABLE statement.

To change a single-chunk table to an archivable multi-chunk table, see *Changing a single-chunk table to a multi-chunk table* in the *HADB Setup and Operation Guide*.

KFAA31554-E

The ALTER TABLE statement could not be used to change the column names, because the current column names and the desired column names are the same. (M+J+O)

The column name cannot be changed by using the ALTER TABLE statement because the current column name is the same as the new column name. <SQLSTATE: 42IBE>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the new column name specified for RENAME COLUMN in the ALTER TABLE statement.

KFAA31555-E

The UNARCHIVABLE option cannot be specified in ALTER TABLE statement, because aa....aa. (M+J+O)

The archivable multi-chunk table could not be changed to a regular multi-chunk table because an error occurred in the ALTER TABLE statement. <SQLSTATE: 42IBF>

aa....aa: Cause of the error

- the table has an archived chunk

The archivable multi-chunk table that contains an archived chunk is specified in the ALTER TABLE statement.

- the table is not an archivable multi-chunk table
A table that is not an archivable multi-chunk table is specified in the ALTER TABLE statement.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

- If *aa....aa* is the table has an archived chunk

Execute the adbunarchivechunk command to release the chunk from the archived state. Then, execute the ALTER TABLE statement.

Note that if there is a deletion-pending chunk in the archived state, delete the target chunk by using the PURGE CHUNK statement, and then execute the ALTER TABLE statement.

- If *aa....aa* is the table is not an archivable multi-chunk table

Confirm that the table name specified in the ALTER TABLE statement is correct.

KFAA31600-E

Unable to *aa....aa*. (reason = *bb....bb*) (M+J+O)

aa....aa cannot be done because of *bb....bb*. <SQLSTATE: 42175>

aa....aa: Operation resulting in an error

- define index: Index definition
- alter table: Changing table definitions
- create table: Table definition

bb....bb: Cause of the error

- not specify "EMPTY": The EMPTY option is not specified.
- DEFAULT clause: A DEFAULT clause is specified.
- the length of varchar column exceeds 32,000 bytes: A VARCHAR type column whose defined length exceeds 32,000 bytes is specified.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

- If *bb....bb* is not specify "EMPTY"

Re-execute the CREATE INDEX statement with the EMPTY option specified.

- If *bb....bb* is DEFAULT clause

Delete the specified DEFAULT clause. The DEFAULT clause cannot be specified in an ALTER TABLE statement.

- If *bb....bb* is the length of varchar column exceeds 32,000 bytes

In the ALTER TABLE statement or CREATE TABLE statement, a VARCHAR type column cannot be specified if the defined column length exceeds 32,000 bytes. Correct the SQL statement.

For details about the ALTER TABLE statement, see *ALTER TABLE (alter table definition)* in the manual *HADB SQL Reference*. For details about the CREATE TABLE statement, see *CREATE TABLE (define a table)* in the manual *HADB SQL Reference*.

KFAA31602-E

The multiple referential constraints which reference the same primary key cannot be defined. (M+J+O)

Multiple referential constraints that access the same primary key cannot be defined from the same column or from the same group of multiple columns (even if the column order is different). <SQLSTATE: 42177>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the referential constraint definition. Make sure that only one referential constraint accesses the same primary key from the same column or from the same group of multiple columns (even if the column order is different).

KFAA31648-E

The dictionary (base table) cannot be accessed because a transaction is using the dictionary (base table). (M)

The dictionary table (base table) cannot be accessed because a transaction is using the dictionary table (base table). <SQLSTATE: 52402>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Wait for the transaction that is accessing the dictionary table (base table) to terminate, and then re-execute the SQL statement.

KFAA31650-E

A aa....aa index cannot be defined because "bb....bb" is specified. (M+J+O)

An index cannot be defined because the bb....bb option is specified. <SQLSTATE: 421A6>

aa....aa: Index type

- range: Range index
- text: Text index

bb....bb: The option specified

- UNIQUE: UNIQUE was specified.
- ASC: ASC was specified.

- DESC: DESC was specified.
- PCTFREE: PCTFREE was specified.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Execute the CREATE INDEX statement without specifying the option output in *bb....bb*

KFAA31651-E

A *aa....aa* index cannot be defined because multiple indexed columns are specified. (M+J+O)

An index cannot be defined because multiple indexed columns are specified. <SQLSTATE: 42IA7>

aa....aa: Index type

- range: Range index
- text: Text index

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

- A range index and text index cannot be changed to a multiple-column index. Change the database design (the specification for the indexed columns).
- If you want to define range indexes for all indexed columns specified in CREATE INDEX statements, execute multiple CREATE INDEX statements specifying columns one at a time rather than specifying multiple columns with a single CREATE INDEX statement.

KFAA31652-E

A range index cannot be defined in column "*aa....aa*". (reason = *bb....bb*) (M+J+O)

A range index cannot be defined for the following columns: <SQLSTATE: 42IA8>

- A column whose type is CHAR and whose length exceeds 32 bytes
- A column whose type is VARCHAR
- A column whose type is BINARY
- A column whose type is VARBINARY

aa....aa:

Column name

bb....bb: Reason why range index cannot be defined

- data type is CHAR and data length is longer than 32 bytes: The data type of the column is CHAR and the data length exceeds 32 bytes.

- data type is VARCHAR: The data type of the column type is VARCHAR.
- data type is BINARY: The data type of the column type is BINARY.
- data type is VARBINARY: The data type of the column type is VARBINARY.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

A range index cannot be defined for the column *aa....aa*, so change the database design (column data type, indexed columns, index type, and so on).

KFAA31653-E

aa....aa index cannot be defined. (reason = "bb....bb") (M+J+O)

A table for which an index cannot be defined is specified.

- You cannot define *aa....aa* for a multi-chunk table. <SQLSTATE: 42IA9>
- You cannot define *aa....aa* for a column store table. <SQLSTATE: 42IC1>

aa....aa: Index type

- A unique: Unique index
- A text: Text index

bb....bb: Reason why an index cannot be defined

- the table in the CREATE INDEX statement is a multi-chunk table:
An attempt is made to define a unique index for a multi-chunk table.
- the table in the CREATE INDEX statement is a column store table:
The table for which you are attempting to define a text index is a column store table.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Take one of the following corrective actions:

- If *bb....bb* is the table in the CREATE INDEX statement is a multi-chunk table
Revise the database design so as not to define a unique index or to remove the chunk specification from the table definition.
- If *bb....bb* is the table in the CREATE INDEX statement is a column store table
You cannot define a text index for a column store table. Revise the database design (including the options to be specified for tables, and index design).

KFAA31654-E

The maximum number of chunks of a table without the CHUNK option specified cannot be changed. (M+J+O)

The maximum number of chunks was not specified in the chunk specification when the base table was defined by using the CREATE TABLE statement. Therefore, the ALTER TABLE statement cannot be used to change the maximum number of chunks. <SQLSTATE: 42IAD>

S:

Ignores this SQL statement.

Action:

If you want to specify the maximum number of chunks, delete the table definition and then re-define the table. For details about the procedure, see *Changing a single-chunk table to a multi-chunk table* in the *HADB Setup and Operation Guide*.

If you do not need to specify the maximum number of chunks, delete the specification of the maximum number of chunks and then re-execute the ALTER TABLE statement.

KFAA31655-E

In the CHUNK option, no value was specified for the maximum number of chunks that can be created. Alternatively, the ARCHIVABLE clause was not specified. (M+J+O)

The specified ALTER TABLE statement is invalid. Neither the maximum number of chunks nor the chunk-archive specification is specified. <SQLSTATE: 42IAE>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the specification of the ALTER TABLE statement. That is, specify the maximum number of chunks or the chunk-archive specification.

KFAA31656-E

The operation cannot be executed because a required resource (*aa....aa*) is locked. (M)

The specified operation could not be performed because the locked resource *aa....aa* is being used by another operation.

aa....aa:

Name of locked resource

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Wait for termination of the operation that is using the locked resource *aa....aa*, and then retry the operation. For details about the allocation of locked resources, see *Locked resources that are reserved and their lock modes* in the *HADB Setup and Operation Guide*.

KFAA31657-E

A primary key cannot be defined.(reason = "aa....aa") (M+J+O)

If the chunk specification is specified, a primary key cannot be defined. Conversely, if a primary key is defined, the chunk specification cannot be specified. <SQLSTATE: 42IAF>

aa....aa: Cause of the error

- **the table is a multi-chunk table:** The base table for which a primary key will be defined also contains the chunk specification.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

The chunk specification and a primary key cannot be defined together. Review the database design.

KFAA31658-E

The index corresponding to *aa....aa* cannot be deleted. (M+J+O)

The `DROP INDEX` statement cannot be used to delete the B-tree indexes that correspond to the primary key.

Also, the `DROP INDEX` statement cannot be used to delete the range indexes that are automatically defined for archive range columns. <SQLSTATE: 42IB0>

aa....aa: Index that was attempted to be deleted

- **the primary key:** B-tree index corresponding to the primary key
- **an archive range column:** Range index automatically defined for an archive range column

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

To delete the B-tree indexes that correspond to the primary key, use the `DROP TABLE` statement to delete them for each base table.

To delete the range indexes automatically defined for archive range columns, use the `DROP TABLE` statement to delete the base table for the range indexes.

KFAA31659-E

A text index cannot be defined in column "*aa....aa*". (reason = *bb....bb*) (M+J+O)

A text index cannot be defined for the following columns: <SQLSTATE: 42IB2>

- Columns whose data type is not CHAR or VARCHAR

aa....aa:

Column name

bb....bb: Cause of the error

- data type is not CHAR or VARCHAR: An attempt is made to define a text index for a column whose data type is neither CHAR nor VARCHAR.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Revise the column for which to define the text index.

KFAA31660-E

The *aa....aa* option cannot be specified because the index is not a text index. (M+J+O)

The following index option cannot be specified for an index other than a text index: <SQLSTATE: 42IB3>

- Notation-correction-search text-index specification

aa....aa:

CORRECTIONRULE: Notation-correction-search text-index specification

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Delete the index option specification indicated by *aa....aa*, and then execute the CREATE INDEX statement.

KFAA31661-E

Table definition information of a slave node cannot be invalidated(reason = "aa....aa", node_id = *bb....bb*). (M+J+O)

The table definition information for a slave node could not be invalidated. <SQLSTATE:53026>

aa....aa: Cause of the error

- communication to the slave node: Communication between nodes failed
- processing on the slave node: Slave node processing failed

bb....bb: Node ID

If the node ID cannot be output, three asterisks (***) are displayed.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

- If *aa....aa* is communication to the slave node

Access the message log files of the master node and of the slave node indicated by the node ID. Eliminate the cause of the failure of communication between nodes, as indicated by the messages that were output.

- If *aa....aa* is processing on the slave node

Access the message log files of the slave node indicated by the node ID. Eliminate the cause of the processing failure on the slave node, as indicated by the messages that were output.

KFAA31662-E

The SQL statement cannot be executed because a *aa....aa* table is being manipulated in a transaction. (M+J+O)

The SQL statement cannot be executed because the *aa....aa* table is being referenced in the same transaction.
<SQLSTATE: 53027>

If a definition SQL statement cannot be executed, either of the following tables is being referenced in the same transaction:

- Dictionary table that will be referenced and updated in an extension of the definition SQL statement
- Table that will be changed and deleted by the definition SQL statement

If the TRUNCATE TABLE statement or PURGE CHUNK statement cannot be executed, the operation target table is being referenced.

aa....aa: Table being referenced in the transaction

- *dictionary*: Dictionary table that will be referenced and updated in an extension of the definition SQL statement
- *user*: Table that will be changed and deleted by the definition SQL statement, or the table specified in the TRUNCATE TABLE statement or PURGE CHUNK statement

S:

Invalidates this transaction.

Action:

Re-execute the SQL statement.

KFAA31663-E

The operation cannot be executed because a required resource is locked. (name = *aa....aa*, object = *bb....bb*) (M+J+O)

The SQL statement or the command cannot be executed due to contention of the locked resource. <SQLSTATE: 53028>

aa....aa: Locked resource name

- PREPARE TABLE: Pre-processing table
- DBAREA: DB area
- TABLE: Table

bb....bb: Locked resource to be acquired

A table name or DB area name is displayed.

The table name is displayed in the format "*schema-name*" . "*table-identifier*".

If the schema name, table identifier, or DB area name cannot be output, three asterisks (***) are displayed.

S:

- For the SQL statement:
Ignores this SQL statement. Alternatively, the system invalidates this transaction.
- For the command:
Stops execution of the command.

Action:

Wait for termination of the SQL statement or command that is acquiring the locked resource, and then re-execute the SQL statement or command. For details about locked resources acquired by the SQL statement or command, see *Locked resources* in *Locking in Architecture* in the *HADB Setup and Operation Guide*.

KFAA31664-E

The definition SQL statement cannot be executed because there is a ResultSet object. (M+J+O)

The definition SQL statement cannot be executed because a ResultSet object exists. <SQLSTATE: 53029>

S:

Invalidates this transaction.

Action:

Re-execute the definition SQL statement.

KFAA31665-E

The data type of an archive range column is invalid. (M+J+O)

Columns of the following data types cannot be specified as archive range columns. <SQLSTATE: 421B4>

- CHARACTER type with a definition length of 33 or more bytes
- VARCHAR type
- BINARY type
- VARBINARY type

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Revise database design such as selection of archive range columns and column data types.

KFAA31666-E

The archive directory is specified incorrectly. (reason = aa....aa) (M+J+O)

The specified archive directory is invalid.

aa....aa: Cause of the error

- The length of the archive directory path is out of range: The length of the path name of the specified archive directory is not in the range from 1 to 400 bytes. <SQLSTATE: 42IB5>
- The archive directory is not an absolute path: The specified archive directory is not an absolute path. <SQLSTATE: 42IB6>
- The archive directory does not exist: A directory that does not exist is specified as an archive directory. <SQLSTATE: 5302A>
- The directory cannot be specified as an archive directory: A directory that cannot be specified as an archive directory is specified. <SQLSTATE: 5302B>
- The HADB administrator does not have read, write, and execute permissions for the archive directory: A directory for which the HADB administrator does not have read, write, and execution permissions is specified as an archive directory. Alternatively, the archive directory path contains a directory for which the HADB administrator does not have execution permission. <SQLSTATE: 5302C>
- One or more symbolic link destinations specified in the archive directory cannot be acquired: Link destinations for the symbolic link specified in the archive directory cannot be acquired. <SQLSTATE: 5302D>
- system call error (errno = *bb....bb*): An error occurred in a system call. <SQLSTATE: 5302E>

bb....bb:

Error number

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Take the corrective action for the cause of the error indicated by *aa....aa*, and then revise the archive directory specification. For details about the rules for specifying an archive directory, see the explanation of ARCHIVEDIR in *chunk-specification* in *Explanation of specification format* in *Specification format and rules for the CREATE TABLE statement* in the manual *HADB SQL Reference*.

If *aa....aa* indicates a system call error and *bb....bb* indicates an error number, check the error number in the OS documentation, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the displayed error number, execute the adbinfoget command to collect troubleshooting information, and then contact the customer support center.

KFAA31667-E

The CORRECTIONRULE option cannot be specified because the character encoding to be used on the HADB server is Shift-JIS (ADBLANG=SJIS). (M+J+O)

The notation-correction-search text-index specification (CORRECTIONRULE) cannot be specified because the character encoding used on the HADB server is Shift-JIS (if the value specified for the environment variable ADBLANG is SJIS). <SQLSTATE: 42IB7>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Delete the notation-correction-search text-index specification (CORRECTIONRULE) , and then re-execute the CREATE INDEX statement.

KFAA31668-E

The ALTER TABLE statement cannot be executed when both the ARCHIVABLE clause and the maximum number of chunks to be created are specified in the CHUNK option. (M+J+O)

The specified ALTER TABLE statement is invalid. Change of the maximum number of chunks and the chunk-archive specification cannot be specified at the same time. <SQLSTATE: 42IB8>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Specify either of the following, and then, execute the ALTER TABLE statement.

- Change of the maximum number of chunks
- Chunk-archive specification

KFAA31669-E

The ARCHIVABLE clause in the CHUNK option cannot be specified for the archivable multi-chunk table in ALTER TABLE. (M+J+O)

The chunk-archive specification in the ALTER TABLE statement cannot be specified for an archivable multi-chunk table. <SQLSTATE: 42IB9>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

The table specified in the ALTER TABLE statement is an archivable multi-chunk. Check the table name specified in the ALTER TABLE statement.

KFAA31670-E

The *aa....aa* privilege and the *bb....bb* privilege cannot be granted to the same user. (M+J+O)

aa....aa and *bb....bb* cannot be granted to the same HADB user. <SQLSTATE: 42K30>

aa....aa: Privilege type

DBA: DBA privilege

bb....bb: Privilege type

AUDIT ADMIN: Audit admin privilege

S:

Ignores this SQL statement.

Action:

Grant *aa....aa* and *bb....bb* to different HADB users.

KFAA31673-E

The password of the auditor (*aa....aa*) cannot be changed by other users. (M+J+O)

The password of an HADB user who has the audit privilege cannot be changed by other HADB users. <SQLSTATE: 42K33>

aa....aa:

Authorization identifier of the HADB user who has the audit privilege

S:

Ignores this SQL statement.

Action:

Ensure that the password of an HADB user who has the audit privilege is changed by that HADB user.

KFAA31675-E

The operation "*aa....aa*" cannot be executed, because you do not have the *bb....bb* privilege. (M+J+O)

The *aa....aa* operation cannot be performed because you do not have the required privilege. <SQLSTATE: 42K35>

aa....aa: Operation that could not be performed

- CREATE AUDIT: Defining an audit target
- DROP AUDIT: Deleting an audit target definition
- REVOKE AUDIT ADMIN: Revoking the audit admin privilege
- REVOKE AUDIT VIEWER: Revoking the audit viewer privilege
- audit trail search by using the system-defined function ADB_AUDITREAD: Searching for an audit trail by using the ADB_AUDITREAD function

bb....bb: Privilege required to perform the operation

- AUDIT ADMIN: Audit admin privilege
- AUDIT VIEWER: Audit viewer privilege

S:

Ignores this SQL statement.

Action:

Ensure that an HADB user with the *bb....bb* privilege performs *aa....aa*.

KFAA31678-E

The audit target specified in CREATE AUDIT is already defined. (M+J+O)

The audit target specified in the CREATE AUDIT statement is already defined. <SQLSTATE: 42K38>

S:

Ignores this SQL statement.

Action:

Because the audit target is already defined, there is no need to execute the CREATE AUDIT statement.

KFAA31679-E

The audit target specified in DROP AUDIT has not been defined. (M+J+O)

The audit target definition specified in the DROP AUDIT statement does not exist. <SQLSTATE: 42K39>

S:

Ignores this SQL statement.

Action:

Because the specified audit target definition does not exist, there is no need to execute the DROP AUDIT statement.

KFAA31684-E

The table option "aa....aa" cannot be specified. (reason = bb....bb) (M+J+O)

Table option *aa....aa* cannot be specified. <SQLSTATE: 42IAA>

aa....aa: Table option that cannot be specified

- BRANCH ALL
- PCTFREE
- CHUNK ARCHIVABLE

bb....bb: Reason why table option cannot be specified

- FIX table: The table is a FIX table.
- column store table: The table is a column store table.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31685-E

aa....aa cannot be specified. (reason = *bb....bb*) (M+J+O)

aa....aa cannot be specified. <SQLSTATE: 42IAB>

aa....aa: Invalid option

- BRANCH: BRANCH specification
- COMPRESSION TYPE: Compression-type specification
- CHUNK ARCHIVABLE: Chunk-archive specification

bb....bb: Reason it cannot be specified

- A data type is not VARCHAR or VARBINARY
The data type of the column is not VARCHAR or VARBINARY
- The table option BRANCH ALL is specified
The table option BRANCH ALL is specified.
- The table option STORAGE FORMAT COLUMN is specified
COLUMN is specified for the table option STORAGE FORMAT.
- The table option STORAGE FORMAT COLUMN is not specified
COLUMN is not specified for the table option STORAGE FORMAT.
- The table option BRANCH ALL was specified when the table was defined
The table option BRANCH ALL was specified when the table was defined.
- The table is a column store table
The table is a column store table.
- The table is a row store table
The table is a row store table.

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Take corrective action as described in the following table:

Information output to <i>bb....bb</i>	Description	Action to take
A data type is not VARCHAR or VARBINARY	You cannot specify branch specification for a column whose data type is other than the VARCHAR type or the VARBINARY type.	Use one of the following methods to correct the SQL statement: <ul style="list-style-type: none">• If you want to use a data type other than the VARCHAR type or the VARBINARY type for the column: Delete the branch specification from the SQL statement.• If you want to specify branch specification: Change the data type of the column to the VARCHAR type or the VARBINARY type.
The table option BRANCH ALL is specified	You cannot specify branch specification for a table column that is defined by specifying the table option BRANCH ALL.	Use one of the following methods to correct the SQL statement: <ul style="list-style-type: none">• If you want to specify the table option BRANCH ALL: Delete the branch specification from the SQL statement.• If you want to specify branch specification:

Information output to bb....bb	Description	Action to take
		Delete the table option <code>BRANCH ALL</code> from the SQL statement.
The table option <code>STORAGE FORMAT COLUMN</code> is specified	You cannot specify branch specification for a table column that is defined with the table option <code>STORAGE FORMAT COLUMN</code> specified.	<p>Use one of the following methods to correct the SQL statement:</p> <ul style="list-style-type: none"> • If you want to define the table as a column store table: Delete the branch specification from the SQL statement. • If you want to specify branch specification: Define the table as a row store table instead of a column store table:
The table option <code>STORAGE FORMAT COLUMN</code> is not specified	You cannot specify compression-type specification for a table column that is defined without the table option <code>STORAGE FORMAT COLUMN</code> specified.	<p>Use one of the following methods to correct the SQL statement:</p> <ul style="list-style-type: none"> • If you want to define the table as a row store table: Delete the compression-type specification from the SQL statement. • If you want to specify compression-type specification for a column: Specify the table option <code>STORAGE FORMAT COLUMN</code> to define the table as a column store table.
The table option <code>BRANCH ALL</code> was specified when the table was defined	You cannot add a column for which branch specification is specified to a base table for which <code>BRANCH ALL</code> was specified when the table was defined.	Delete the branch specification from the SQL statement.
The table is a column store table	You cannot add a column for which branch specification is specified to a column store table.	Delete the branch specification from the SQL statement.
	You cannot specify chunk-archive specification for a column store table.	<p>A column store table cannot be changed to an archivable multi-chunk table by using the <code>ALTER TABLE</code> statement. If you need an archivable multi-chunk table, change the column store table to a row store table. For details about how to change a column store table to a row store table, see <i>Changing a column store table to a row store table</i> in the <i>HADB Setup and Operation Guide</i>. If you change the column store table to a row store table, specify chunk-archive specification when you execute the <code>CREATE TABLE</code> statement to define the table as an archivable multi-chunk table.</p>
The table is a row store table	You cannot add a column for which compression-type specification is specified to a row store table.	Delete the compression-type specification from the SQL statement.

KFAA31686-E

The `DELIMITER` option cannot be specified because the index type is not `TEXT WORDCONTEXT`. (M+J+O)

`TEXT WORDCONTEXT` is not specified for the index type. Therefore, a text-index delimiter specification cannot be specified. <SQLSTATE: 42100>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Correct the SQL statement.

KFAA31696-E

The DB area for data is not specified. (M+J+O)

The data DB area for storing tables or indexes is not specified in the CREATE TABLE or CREATE INDEX statement.
<SQLSTATE: 58024>

S:

Ignores this SQL statement. Alternatively, the system invalidates this transaction.

Action:

Take one of the following actions:

■ **Correct the SQL statement.**

If the CREATE TABLE statement resulted in an error, add either or both of the following specifications to the CREATE TABLE statement.

- Specification of `IN DB-area-name` that specifies the DB area in which defined tables are to be stored
- Specification of `IN DB-area-name` in a uniqueness constraint definition

For details about the `IN DB-area-name` specification, see *Explanation of specification format* in *Specification format and rules for the CREATE TABLE statement* in the manual *HADB SQL Reference*.

If the CREATE INDEX statement resulted in an error, add the following specification to the CREATE INDEX statement.

- Specification of `IN DB-area-name` that specifies the DB area in which defined indexes are to be stored

For details about the `IN DB-area-name` specification, see *Explanation of specification format* in *Specification format and rules for the CREATE INDEX statement* in the manual *HADB SQL Reference*.

■ **Specify the `adb_sql_default_dbarea_shared` operand in the server definition.**

For the `adb_sql_default_dbarea_shared` operand, specify the DB area name that is assumed if the `IN DB-area-name` specification is omitted.

KFAA31711-E

The number of user logfiles exceeded the maximum. (M+J+O)

The number of user log files has reached its upper limit. <SQLSTATE: 40820>

S:

Invalidates this transaction.

Action:

See the description of the expression that calculates the number of user log files in *Determining the number of user log files* in the *HADB Setup and Operation Guide*. Then, take one of the following actions so that the conditions in the expression are satisfied:

- Increase the value of the `adb_log_usrfile_num` operand in the server definition (increase the number of user log files).
- Decrease the number of real threads that perform update processing.

To decrease the number of real threads that perform update processing, decrease the values of the options in the expression that calculates the number of user log files.

KFAA31713-E

There was a conflict between attempts to update rows. table ID = *aa....aa*, AP name = *bb....bb* (M+J+O)

An attempt was made to update or delete a row that is being updated or deleted by another transaction. <SQLSTATE: 4050Q>

aa....aa:

Table ID (decimal)

bb....bb: An identifier that indicates the application that is deleting or updating the target row.

Note that *** is displayed when no application identifier can be output.

S:

Invalidate this transaction.

Action:

Wait for the executing transaction to terminate, and then re-execute the new transaction.

Note that you can use a table ID as a key to identify the name of the table that an attempt was made to update or delete. For details about how to do this, see *Searching a dictionary table* in the *HADB Setup and Operation Guide*.

KFAA31714-E

The SQL statement cannot be executed, because the unique constraint for the B-tree index "*aa....aa*".*"bb....bb"* was violated between SQL preparation and SQL execution. (M+J+O)

The SQL statement cannot be executed because a uniqueness constraint violation occurred on B-tree index "*aa....aa*".*"bb....bb"* between the time the preprocessing of the SQL statement began and the time the SQL statement was executed. <SQLSTATE: 52020>

aa....aa: Schema name

- Schema name of the B-tree index on which a uniqueness constraint violation occurred

bb....bb: Index identifier

- Index identifier of the B-tree index on which a uniqueness constraint violation occurred

S:

Invalidate this transaction.

Action:

Re-execute the SQL statement.

KFAA31719-E

A transaction cannot be executed because the command is being executed or the transaction by AP is being executed.
(M+J+O)

This transaction cannot be executed because a command is executing or because a transaction is being executed by an application program. <SQLSTATE: 54017>

S:

Ignores this SQL statement.

Action:

Wait for the executing command or transaction to terminate, and then re-execute the new transaction.

KFAA31727-E

A table or index cannot be *aa....aa* because the number of chunks created in the "*bb....bb*" DB area exceeds *cc....cc*. (M+J+O)

No new table or index can be defined in the data DB area because the maximum number of chunks that can be managed in one data DB area has been exceeded. Another possibility is that the value set for the maximum number of chunks in a table defined in the data DB area cannot be increased. <SQLSTATE: 40801>

aa....aa: Operation attempted

- *defined*: Defining tables or indexes
- *changed*: Changing table definitions

bb....bb:

DB area name

cc....cc:

Number of chunks that exceeded the maximum

S:

Invalidates this transaction.

Action:

Reduce the value set for the maximum number of chunks based on the number of chunks that exceeded this maximum (value of *cc....cc*), and then re-execute the SQL statement.

However, if all the following conditions are satisfied, this message might be output again after the maximum number of chunks is reduced. In such a case, further reduce the maximum number of chunks.

- *changed* is displayed for *aa....aa*.
- The table to be changed and the index defined for that table are stored in the same DB area.

If the value set for the maximum number of chunks cannot be reduced, take the action that is appropriate to the operation to be performed, as described below.

Operation attempted (information displayed as aa....aa)	Corrective action
defined	<ul style="list-style-type: none"> Define the table or index in another DB area. Delete any unneeded tables and indexes from this DB area. Reduce the value set for the maximum number of chunks in another table in the same DB area.[#]
changed	<ul style="list-style-type: none"> Delete any unneeded tables and indexes from this DB area. Reduce the value set for the maximum number of chunks in another table in the same DB area.[#]

#

For details about how to change the maximum number of chunks, see *Changing the maximum number of chunks in Performing operations on multi-chunk tables* in *Unscheduled Operations* in the *HADB Setup and Operation Guide*.

KFAA31728-E

A chunk of the chunk ID *aa....aa* was not found in the "*bb....bb*".*cc....cc*" table. (M)

The specified chunk ID does not exist in the table. <SQLSTATE: 40802>

aa....aa:

Chunk ID

bb....bb:

Schema name

cc....cc:

Table identifier

S:

Invalidates this transaction.

Action:

Retrieve the STATUS_CHUNKS system table to check for the chunk IDs existing in the table. For details about how to retrieve the STATUS_CHUNKS table, see *Searching system tables* in the *HADB Setup and Operation Guide*.

KFAA31729-E

The chunk ID of the current chunk cannot be specified for *aa....aa*. (M+J+O)

The chunk ID of the current chunk cannot be specified in the PURGE CHUNK statement. <SQLSTATE: 40803>

aa....aa:

SQL statement

S:

Invalidates this transaction.

Action:

The current chunk cannot be deleted.

Retrieve the STATUS_CHUNKS system table to determine whether the chunk ID specified in the PURGE CHUNK statement is correct. For details about how to retrieve the STATUS_CHUNKS table, see *Searching system tables* in the *HADB Setup and Operation Guide*.

KFAA31730-E

After the change, the created number of chunks exceeds the maximum number of chunks. (created number of chunks = aa....aa) (M+J+O)

The ALTER TABLE statement cannot be executed because the maximum number of chunks specified in the ALTER TABLE statement is less than the number of chunks that have already been created in the table. <SQLSTATE: 40804>

aa....aa:

Number of chunks that have already been created in the table

S:

Invalidates this transaction.

Action:

Specify *aa....aa* or a greater value as the maximum number of chunks in the ALTER TABLE statement.

KFAA31733-E

The page being recovered for the master node promotion was accessed. (M+J+O)

The page was accessed during recovery for database update processing performed during the master node switchover processing. <SQLSTATE: 40920>

S:

Invalidates this transaction.

Action:

Wait for the master node switchover processing to terminate, and then re-execute the SQL statement or command that caused the error.

KFAA31734-E

The path of the input data file of the system-defined function *aa....aa* is invalid. (reason = *bb....bb*) (M+J+O)

An error occurred during check of the path name of the file that will be the input data of the system-defined function *aa....aa*.

aa....aa: System-defined function name

- ADB_AUDITREAD
- ADB_CSVREAD

bb....bb: Cause of the error

- INVALID PATH FORMAT: The specification format of the path name is invalid.
- LENGTH ERROR: The specified path name is too long.
- INVALID PATH: The file of the specified path cannot be used as the input data of the system-defined function.

S:

Invalidates this transaction.

Action:

Take the following action depending on the executed system-defined function and the displayed cause of error.

Executed system-defined function (aa....aa)	Cause of the error (bb....bb)	Corrective action to take	SQLSTATE
ADB_AUDITREAD	INVALID PATH FORMAT	Specify the path name of the audit trail file by using an absolute path. Also, make sure that the special character is correctly specified in the audit trail file path.	2252A
	LENGTH ERROR	Reduce the length of the audit trail file path name (excluding leading and trailing spaces) to 1,024 bytes or less. If the audit trail file path name contains a special character, reduce the length of the target audit trail file path name to 1,024 bytes or less.	2252B
	INVALID PATH	The path to the current audit trail file cannot be specified in the ADB_AUDITREAD function. Specify an audit trail file other than the current file.	2252C
ADB_CSVREAD	INVALID PATH FORMAT	Specify the path name of the CSV file by using an absolute path.	22523
	LENGTH ERROR	Reduce the length of the CSV file path name (excluding leading and trailing spaces) to 510 bytes or less.	22524

KFAA31735-E

The file format of the input data file of the system-defined function *aa....aa* is invalid. (file = *bb....bb*) (M+J+O)

The data format of the file that will be the input data of the system-defined function *aa....aa* is invalid. <SQLSTATE: 22525>

aa....aa: System-defined function name

- ADB_AUDITREAD
- ADB_CSVREAD

bb....bb:

Path name of the file with an invalid data format

S:

Invalidates this transaction.

Action:

- If *aa....aa* is ADB_AUDITREAD

Make sure that the file indicated by *bb....bb* is either of the following files:

- Audit trail file
- Audit trail file that has been compressed by the OS's gzip command

■ If *aa....aa* is ADB_CSVREAD

Check the following:

- Make sure that the file indicated by *bb....bb* is a regular file.
- If GZIP is specified for the compression format option COMPRESSION_FORMAT, make sure that the file indicated by *bb....bb* satisfies either of the following conditions:
 - The file has been compressed by the OS's gzip command.
 - The file is a compressed file exported by using the adbexport command.
- If this message is output when you access an archivable multi-chunk table, the file indicated by *bb....bb* (archive file) has been corrupted. In this case, see *Recovering the database from the backup* in the *HADB Setup and Operation Guide*, and then recover the database.

KFAA31736-E

An error occurred in the input data file of the system-defined function ADB_CSVREAD. (reason = *aa....aa*, file = *bb....bb*, row = *cc....cc*, field = *dd....dd*) (M+J+O)

An error occurred in the file that will be the input data of the ADB_CSVREAD function. The location of the error can be identified based on *bb....bb*, *cc....cc*, and *dd....dd*.

aa....aa: Cause of the error

- DATA CONVERSION ERROR: An error occurred during file conversion processing. <SQLSTATE: 22527>
- NO FIELD: Field data does not exist. <SQLSTATE: 22528>
- INVALID ENCLOSING CHARACTER: Invalid enclosing characters exist in the data. <SQLSTATE: 22529>

bb....bb:

Path name of the file in which the error occurred

cc....cc:

Row number of data in the file

dd....dd:

Field data number in the file

S:

Invalidates this transaction.

Action:

Make sure that the compression format of the file indicated by *bb....bb* matches the specification of the compression format option COMPRESSION_FORMAT of the ADB_CSVREAD function.

If they match, identify the field data that caused the error based on the information indicated by *cc....cc* and *dd....dd*. Then, take the corrective action for the cause of the error indicated by *aa....aa*.

- If *aa....aa* is DATA CONVERSION ERROR

The data type specified for the table function column list is not compatible with the data type of the field data. Correct the data type specified for the table function column list.

If the error occurred at the end of the row, check that the row ends with a linefeed in the file indicated by *bb....bb*.

- If *aa....aa* is NO FIELD

Add field data.

Alternatively, make sure that the field data number is specified correctly for the specification column option.

- If *aa....aa* is INVALID ENCLOSING CHARACTER

Correct the invalid enclosing characters.

Alternatively, make sure that the enclosing character specification option is specified correctly.

If this message is output when you access an archivable multi-chunk table, the file indicated by *bb....bb* (archive file) has been corrupted. In this case, see *Recovering the database from the backup* in the *HADB Setup and Operation Guide*, and then recover the database.

KFAA31893-E

The AP cannot connect to HADB servers on *aa....aa* versions not supported by HADB. (M+O)

An application program cannot connect to the HADB server on a kernel or OS version that is not supported by HADB.
<SQLSTATE: 5201F>

aa....aa: Cause of the error

kernel: Kernel

operating system: OS

S:

Ignores this SQL statement.

Action:

Upgrade the kernel or OS to a version supported by HADB.

KFAA31894-E

An error occurred in the connection, and the transaction was rolled back. (statement handle = *aa....aa*, error message = "bb....bb") (M+J+O)

The transaction was rolled back because an error occurred in one of the statement handles used in the transaction.

<SQLSTATE: 5C03A>

aa....aa:

Statement handle

bb....bb:

Error message for the error that occurred in another statement handle

S:

Ignores this SQL statement.

Action:

Check the action to be taken for the error message indicated by *bb....bb*, and then take the action. Then, retry the operation.

KFAA31895-E

Invalid data was received from an HADB client (with the JDBC driver) or from a command. (information 1 = *aaaa*, information 2 = *bbbb*) (M+J+O)

Invalid data was received from an HADB client (including a JDBC driver) or command. <SQLSTATE: 5C034>

aaaa:

Maintenance information 1

bbbb:

Maintenance information 2

S:

Ignores this SQL statement.

Action:

Make a backup of the client message log file. Then, contact the customer support center.

KFAA31896-E

An SQL statement cannot be executed. (reason = *aa....aa*) (M)

An SQL statement cannot be executed due to one of the following reasons:

- The server message log file is full. <SQLSTATE: 53030>
- The client message log file is full. <SQLSTATE: 53031>

aa....aa: Cause of the error

- *message log is full*: The server message log file is full.
- *client log is full*: The client message log file is full.

S:

Ignores this SQL statement.

Action:

Disconnect from the HADB server, and then terminate the application program. Next, take the following corrective action, corresponding to the cause of the error:

- If the server message log file is full
Shut down the HADB server, and then allocate space on the disk where the server message log file is stored.
- If the client message log file is full
Allocate space on the disk where the client message log file is stored.

KFAA31897-E

The *aa....aa* cannot be set. (reason = *bb....bb*) (M+J+O)

aa....aa cannot be set.

aa....aa: Item that cannot be set

- transaction isolation level: Transaction isolation level
- sql order mode: Character string data sort order
- sql order mode (ISO) : Character string data sort order (ISO)
- transaction access mode: Transaction access mode
- audit trail information: Additional user information

bb....bb:

Cause of the error

S:

Ignores this SQL statement.

Action:

Take one of the following corrective actions based on the cause of the error that is output:

Cause of the error (bb....bb)	Error description	Corrective action	SQLSTATE
connection is not established	No connection has been established.	Set the following items after a connection is established: <ul style="list-style-type: none">• Transaction isolation level• Sort order of character string data• Transaction access mode• Additional user information	54203
transaction is already started	The transaction has already started.	Set the following items after the transaction is committed with COMMIT or ROLLBACK: <ul style="list-style-type: none">• Transaction isolation level• Sort order of character string data• Transaction access mode• Additional user information	54204
character encodings of the HADB client is not Unicode (UTF-8)	The character encoding used by the HADB client is not Unicode (UTF-8).	Specify BYTE for the character string data sort order.	54205 (when connected, 08622)
character encodings of the HADB server is not Unicode (UTF-8)	The character encoding used by the HADB server is not Unicode (UTF-8).		54205 (when connected, 08607)
cursor is already opened	The cursor is already opened.	Close the ResultSet object that is generated by the target Connection object. Then, set the following items: <ul style="list-style-type: none">• Transaction isolation level• Sort order of character string data• Transaction access mode• Additional user information	54206

KFAA31898-E

aa....aa. (reason = *bb....bb*, connection identifier = *cc....cc*) (M+J+O)

aa....aa cannot be performed for reason *bb....bb*.

aa....aa: Process in which an error occurred

- The definition SQL cannot be executed: Execution of a definition SQL statement
- The retrieval SQL cannot be executed: Execution of a retrieval SQL statement
- The update SQL cannot be executed: Execution of an update SQL statement
- The CONNECT statement cannot be executed: Execution of a CONNECT statement
- The command cannot be executed: Execution of a command
- The transaction cannot be started: Start of transaction

bb....bb:

Cause of the error

cc....cc:

Connection ID

S:

Ignores this SQL statement.

Action:

Take one of the following corrective actions based on the cause of the error that is output:

Cause of the error (<i>bb....bb</i>)	Error description	Corrective action	SQLSTATE
A command that cannot be executed at the same time as other commands or applications is currently being executed	A command is running that cannot be executed concurrently with another command or application.	After the executing command has terminated, re-execute this command.	08608
The HADB server operation mode is "OFFLINE"	The CONNECT statement cannot be executed because the HADB server is in offline mode.	Change the HADB server operation mode to normal, and then re-execute the SQL statement.	08609
A connection is being established directly on a slave node	The CONNECT statement cannot be executed because a direct connection is being established to the HADB server for the slave node.	Change the application's connection target to the alias IP address that indicates the master node, and then re-execute the SQL statement.	0860A
An attempt to connect to the port for communication between HADB servers is in progress	The CONNECT statement cannot be executed because an attempt to establish a connection to an HADB server-dedicated communication port is in progress.	In <code>adb_clt_rpc_srv_port</code> in the client definition, specify the port number specified by the server definition's <code>adb_rpc_port</code> operand, and then re-execute the SQL statement.	0860B
The HADB client or command belongs to a client group whose maximum number of concurrent connections is zero	A connection to the HADB server cannot be established because the client or command belongs to a client group or command group whose maximum number of concurrent connections is zero.	Take one of the following corrective actions. Then, re-execute the SQL statement or command. Action 1 For the <code>adb_clt_group_name</code> operand in the client definition, specify a group name for which a value other than 0 is specified for the <code>-m</code> option of the <code>adbcltgrp</code> operand in the server definition.	0860D

Cause of the error (bb....bb)	Error description	Corrective action	SQLSTATE
		Action 2 In the server definition, revise the value of the <code>adbcltgrp</code> operand's <code>-m</code> option corresponding to the group name specified for the <code>adb_clt_group_name</code> operand in the client definition. This error also occurs if, in the server definition, the sum of the values specified for <code>-u</code> options of the <code>adbcltgrp</code> operands equals the value of the <code>adb_sys_max_users</code> operand. In this case, revise the value specified for each <code>-u</code> option of the <code>adbcltgrp</code> operand.	
The HADB server operation mode is "MAINTENANCE"	The CONNECT statement cannot be executed because the HADB server operation mode is maintenance mode.	Change the HADB server operation mode to normal, and then re-execute the CONNECT statement.	0860E
	A command cannot be executed because the HADB server operation mode is maintenance mode.	Change the HADB server operation mode to normal, and then re-execute the command.	None
The HADB client execution environment is invalid	The CONNECT statement cannot be executed because the HADB client execution environment is invalid.	Take the corrective action given for the error message that was output preceding this message.	08623
SQL is already being executed on the same connection	An SQL statement is already executing on the connection.	Wait for the SQL statement executing on the connection to finish, and then re-execute this SQL statement.	54013
The read-only transaction is already being executed on the HADB server in the multi-node configuration	Transactions cannot be started because a read-only transaction is being executed on an HADB server in a multi-node configuration.	Execute the SQL statement or command again after all read-only transactions being performed are completed on an HADB server in a multi-node configuration.	54014 or None
The read/write transaction or the command is already being executed on the HADB server in the multi-node configuration	Transactions cannot be started because a read/write transaction or command is being executed on an HADB server in a multi-node configuration.	Execute the SQL statement again after all read/write transactions and commands being performed are completed on an HADB server in a multi-node configuration.	54016
The HADB server operation mode is "QUIESCENCE"	An update SQL statement or definition SQL statement cannot be executed because the HADB server operation mode is quiescence mode.	Change the HADB server operation mode to normal, and then re-execute the SQL statement.	54018
	A command cannot be executed because the HADB server operation mode is quiescence mode.	Change the HADB server operation mode to normal, and then re-execute the command.	None
An attempt to access a DB area that is being accessed by an update SQL statement in a different transaction	If the multi-node function is used, the retrieval SQL statements that satisfy all the following conditions cannot be executed:	Take one of the following corrective actions: Action 1 Wait for termination of the running retrieval SQL statement in condition 2 on the left.	54020

2. Messages

Cause of the error (bb....bb)	Error description	Corrective action	SQLSTATE
while another retrieval SQL statement is being executed in the same transaction	<p>1. An attempt is made to concurrently execute retrieval SQL statements by using multiple statement handles in the same transaction.</p> <p>2. A retrieval SQL statement is accessing the data DB area.</p> <p>3. Another retrieval SQL statement attempts to access the data DB area being accessed by an update SQL statement (this retrieval SQL statement results in an error).</p> <p>For details about the conditions in which an error occurs, see <i>Nodes on which SQL statements are executed in Nodes on which transactions and commands are executed in the HADB Setup and Operation Guide</i>.</p>	<p>Action 2</p> <p>Wait for termination of the transaction that uses the update SQL statement in condition 3 on the left.</p> <p>Then, re-execute the SQL statement that resulted in an error.</p>	
The command was executed on a slave node	This command cannot be executed on a slave node.	Re-execute the command on a master node.	None

KFAA32000-I

SQL statement execution has finished. (M)

SQL statement execution has finished. <SQLSTATE: 00000>

S:

Continues processing.

KFAA32100-I

There are no rows that match the search condition, or row fetching has finished. (M)

No rows match the conditions. Another possibility is that row fetching has terminated. <SQLSTATE: 02000>

S:

Continues processing.

KFAA32390-I

The SQL execution node will now be changed. (before = a, after = b) (M)

The node in which to execute SQL statements is changed. <SQLSTATE: 00000>

a:

Node number of the slave node before change

b:

Node number of the master node after change

S:

Continues processing.

KFAA34002-E

There is an error in the specification method of a scalar function "CONTAINS" argument. (reason = *aa....aa*) (M +J+O)

The specified scalar function CONTAINS contains an error.

aa....aa: Cause of the error

- correction format: The notation-correction-search specification or simple-string specification is invalid.
<SQLSTATE: 428T0>
- correction value: The specified search string is invalid. <SQLSTATE: 428T1>
- synonym format: The synonym-search specification is invalid. <SQLSTATE: 428TA>
- synonym value: The synonym dictionary name is invalid. <SQLSTATE: 428TB>
- word-context format: The word-context search specification is invalid. <SQLSTATE: 428TC>

S:

Ignores this SQL statement.

Action:

The possible errors are as follows.

■ If *aa....aa* is correction format:

- An invalid character string might be specified in the notation-correction-search specification. Check whether a character string other than IGNORECASE or SORTCODE is specified.
- The following errors might exist:
 - The simple-string specification in the notation-correction-search specification is not enclosed in parentheses ((and)).
 - Parentheses ((and)) are not paired correctly.
 - A character exists between (and a simple-string specification.
 - A character exists between a simple-string specification and).
- The specification format of the simple-string specification might be invalid. Make sure that a double quotation mark ("") is specified at the beginning.

■ If *aa....aa* is correction value:

- Make sure that the simple-string specification ends with ".

■ If *aa....aa* is synonym format:

- An invalid character string might be specified in the synonym-search specification. Check whether a character string other than SYNONYM is specified.

- The following errors might exist:
 - The synonym-search specification does not contain parentheses ((and)).
 - Parentheses ((and)) are not paired correctly.
 - A character exists between) and a simple-string specification.
 - A character exists between) and a notation-correction-search specification.
- The specified synonym dictionary name might be invalid. Make sure that a double quotation mark ("") is specified at the beginning. Also, check whether a character is specified between " " at the end of the synonym dictionary name and a comma (,) .

■ If *aa....aa* is synonym value:

- Make sure that the specified synonym dictionary name ends with "".
- Check whether characters that cannot be used are specified in the synonym dictionary name.
- Make sure that the length of the synonym dictionary name does not exceed 120 bytes.
- Make sure that the synonym dictionary name is specified. Make sure that an empty string (0 bytes) is not specified.

■ If *aa....aa* is word-context format:

- The character string might be specified in the word-context search specification might be invalid. Make sure that a character string other than WORDCONTEXT or WORDCONTEXT_PREFIX is not specified.
- Make sure that a synonym-search specification is not contained in WORDCONTEXT_PREFIX specified in the word-context search specification.
- Make sure that the word-context search specification contains parentheses ((and)).
- Make sure that the parentheses ((and)) in the word-context search specification are paired correctly.
- Make sure that no character exists between) and a simple-string specification.
- Make sure that no character exists between) and a notation-correction-search specification.
- Make sure that no character exists between) and a synonym-search specification.

KFAA34003-E

A correction search cannot be specified as a scalar function "CONTAINS" argument, because the character encoding to be used on the HADB server is Shift JIS. (ADBLANG = SJIS) (M+J+O)

A notation-correction-search specification cannot be specified because the character encoding used by the HADB server is Shift-JIS (if the value specified for the environment variable ADBLANG is SJIS). <SQLSTATE: 428T2>

S:

Ignores this SQL statement.

Action:

Take one of the following corrective actions:

- Delete the notation-correction-search specification from the scalar function CONTAINS.
- Change the value of the environment variable ADBLANG to Unicode (UTF-8), and then create the database again by using the adbinit command.

KFAA34004-E

A regular expression specified for a regular expression string that has the "LIKE_REGEX" predicate is incorrect.
(details = aa....aa) (M+J+O)

A regular expression specified for a regular expression character string in the LIKE_REGEX predicate is invalid.

aa....aa: Cause of the error

- Invalid regular expression: The specified regular expression is invalid. <SQLSTATE: 428T3>
- Invalid quantifier: The specified quantifier (such as + and *) is invalid. <SQLSTATE: 428T4>
- Unmatched parenthesis: Pairing of parentheses is invalid. <SQLSTATE: 428T5>
- Unmatched square bracket: Pairing of square brackets is invalid. <SQLSTATE: 428T6>

S:

Ignores this SQL statement.

Action:

The possible errors are as follows.

■ **If aa....aa is Invalid regular expression:**

- A special character in character enumeration might be invalid.
- An undefined character set identifier might be specified in a character set identifier specification.

■ **If aa....aa is Invalid quantifier:**

- Two quantifiers might be specified in succession.
- The specified repetition factor might contain the following errors:
 - Values other than numeric values might be specified for the maximum and minimum values (for example, a comma specification error or missing closing parenthesis).
 - The following condition might not be satisfied: $0 \leq \text{lower limit} \leq \text{upper limit} \leq 256$.

■ **If aa....aa is Unmatched parenthesis:**

- The right parenthesis () corresponding to the left parenthesis () might not be specified.

■ **If aa....aa is Unmatched square bracket:**

- A right square bracket () might not be specified after a left square bracket [].
- A right curly bracket {} might be specified in an inappropriate position.
- A right square bracket () might be specified in an inappropriate position.

For details about the rules for specifying regular expressions, see *LIKE_REGEX predicate* in the manual *HADB SQL Reference*.

KFAA34005-E

The synonym dictionary (aa....aa) specified by the scalar function "CONTAINS" is not registered in the system.
(M+J+O)

The synonym dictionary specified in the scalar function CONTAINS does not exist. <SQLSTATE: 428T7>

aa....aa:

Name of the synonym dictionary specified in the scalar function CONTAINS

S:

Ignores this SQL statement.

Action:

Specify the correct synonym dictionary name in the scalar function CONTAINS.

KFAA34006-E

The synonym dictionary (*aa....aa*) specified by the scalar function "CONTAINS" cannot be used for a correction search. (M+J+O)

The synonym dictionary specified in the scalar function CONTAINS does not support a correction search. The synonym dictionary created by specifying CASESENSITIVE for the notation-correction option does not support a correction search. <SQLSTATE: 428T8>

aa....aa:

Synonym dictionary name specified in the scalar function CONTAINS

S:

Ignores this SQL statement.

Action:

Take one of the following actions:

- Correct the specification of the scalar function CONTAINS to disable the correction search.
- Re-create the synonym dictionary that supports a correction search.

KFAA34007-E

The synonym dictionary cannot be used by an HADB server in a multi-node configuration. (M)

A synonym search cannot be performed if the multi-node function is used. <SQLSTATE: 428T9>

S:

Ignores this SQL statement.

Action:

Correct the specification of the scalar function CONTAINS. The following shows a correction example.

Before change:

```
CONTAINS ("DOC", 'SYNONYM("TERM", "PC")') > 0
```

After change:

```
CONTAINS ("DOC", '"PC"') > 0 OR  
CONTAINS ("DOC", '"personal computer"') > 0 OR  
CONTAINS ("DOC", '"microcomputer"') > 0
```

As shown above, use the logical operator OR to specify all the synonyms to be searched for.

KFAA34008-E

The synonym-dictionary-file *aa....aa* operation failed. (node number = *bb....bb*, IP address = *cc....cc*, server definition = *dd....dd*, file = *ee....ee*, errno = *ff....ff*) (M+J+O)

An error occurred during operation on the synonym dictionary file. <SQLSTATE: 53050>

aa....aa: Name of the system call that caused the error

- close: Closing the file
- lseek: Moving a pointer on the file
- open: Opening the file
- read: Reading the file

bb....bb: Node number of the node where the error occurred

If a multi-node configuration is not used, * is displayed.

cc....cc: IP address of the node where the error occurred

If a multi-node configuration is not used, * is displayed.

dd....dd: Server definition operand that specifies the directory containing the file in which the error occurred

- adb_syndict_storage_path
- adb_syndict_node_storage_path

ee....ee:

Name of the file in which the error occurred

ff....ff:

Error number

S:

Ignores this SQL statement.

Action:

An error occurred during operation of the synonym dictionary file *ee....ee* under the directory specified by the *dd....dd* operand. Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the displayed system call name and error number, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

However, if one of the following conditions is met, also perform the corrective action appropriate for the condition.

- **If this message is output during execution of an SQL statement with the scalar function CONTAINS (with the synonym-search specification) specified**

Check whether a file name that begins with a synonym dictionary name is displayed for *ee....ee*. If a file name that begins with a synonym dictionary name is displayed, the synonym dictionary file might not exist. Check in the OS documentation for the system call name and error number that are displayed. If the error is caused by the absence of a synonym dictionary file, re-register the synonym dictionary and re-create the synonym dictionary file.

For details about how to re-create a synonym dictionary file, see *Steps to take if synonym dictionary files or their storage directory is accidentally deleted* in the *HADB Setup and Operation Guide*.

- **If the error number is 0**

An attempt to allocate memory failed during processing to read the synonym dictionary file. Check for any unnecessary processes. If there are any unnecessary processes, stop or delete them. Then, re-execute the `adbsyndict` command.

KFAA34009-E

The text index must be rebuilt to access the table. (index ID = "aa....aa") (M+J+O)

Data retrieval by using the text index *aa....aa* is not available. Alternatively, the text index *aa....aa* cannot be updated.
<SQLSTATE: 53051>

aa....aa:

Index ID

S:

Ignores this SQL statement. If this message is issued during execution of the command, processing terminates.

Action:

Execute the `adbidxrebuild` command to rebuild the text index *aa....aa*. Identify the table name and index name that must be specified for executing the `adbidxrebuild` command from the index ID displayed by *aa....aa*. For details about how to identify the table name and index name from the index ID, see *When identifying the name of a table for which an index is defined from an index ID* and *When identifying the index name from an index ID* in *Searching a dictionary table* in the *HADB Setup and Operation Guide*.



Note

If you upgrade the HADB server to version 04-00 or later, text indexes defined in version 03-06 (text indexes with text-index-word-context search specification) cannot be used for a search. Note also that those text indexes cannot be updated. To allow the text indexes to be searched and updated, you need to rebuild them.

2.2 Messages from KFAA40000 to KFAA49999

KFAA40000-E

The HADB server terminated abnormally because corrupted management information was detected in the area of memory used by HADB. (information 1 = aa....aa, information 2 = bb....bb) Save troubleshooting information by the "adbinfoget" command, and then contact customer service. (M)

Management information within a memory area has been corrupted. Therefore, the HADB server is terminated abnormally.

aa....aa:

Information for investigating memory corruption 1

bb....bb:

Information for investigating memory corruption 2

S:

Terminates the HADB server abnormally.

Action:

- If this message was output to the server message log file

Execute the adbinfoget command to collect troubleshooting information, and then contact the customer support center.

- If this message was output to the client message log file

Make a backup of the client message log file, and then contact the customer support center.

KFAA40001-E

Resources for asynchronous I/O execution are insufficient. (M)

Sufficient resources could not be allocated for execution of asynchronous I/O.

S:

Terminates processing.

Action:

There are two possible causes:

- The values specified in the server definition's `adb_sys_max_users`, `adb_sys_rthd_num`, and `adb_sys_uthd_num` operands are too large.
- Kernel parameter `aio-max-nr` is too small.

Check the server definition, and then carefully review the values specified for each operand. If a specified value is too large, decrease it.

Next, carefully review the value of kernel parameter `aio-max-nr`. If the specified value is too small, increase it.

Once you have taken the above corrective actions, start the HADB server with the `adbstart` command, and then re-execute the processing.

KFAA40002-E

An error occurred during access to the HADB system shared memory. (information = aa....aa) (M)

An error occurred when shared memory was accessed.

aa....aa: Cause of the error

- System call error, system call = "bb....bb", errno = cc....cc
A system call error has occurred.
bb....bb: Name of system call in which the error occurred
cc....cc: Error number
- Shared memory management table overflow
The amount of shared memory managed by HADB has exceeded the preset limit.
- Shared memory address is not 4096 boundary
The top address of the acquired shared memory area does not fall on a 4,096 byte boundary.
- The system does not have the capability to use HugePages
The system does not have the capability to use HugePages.
- The system can not use HugePages
The system cannot use HugePages.
- RLIMIT_MEMLOCK error
The size of shared memory that the HADB server attempted to obtain exceeds the value of kernel parameter RLIMIT_MEMLOCK. Alternatively, the user does not have privileges necessary to obtain the shared memory.
- The value of adb_sys_memory_limit in the server definition exceeds the size of shared memory that is available as HugePages
The value specified for the adb_sys_memory_limit operand in the server definition exceeds the size of shared memory to be allocated as HugePages.

S:

Terminates processing.

Action:

Eliminate the error based on the cause of the error *aa....aa* that is output in the message. Then, re-execute the command.

- If the cause of the error indicated by *aa....aa* is System call error, system call = "bb....bb", errno = cc....cc

Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error.

This message might be displayed if a command is executed while the HADB server is starting or terminating. If this is the case, re-execute the command.

If shmat is output for the system call name and EINVAL is output for the error number in an environment that uses HugePages, check the server definition's adb_sys_shm_huge_page_size operand. Check whether the value specified for this operand is an even multiple of the page size of HugePages as specified in the OS.

If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an adbinfoget command to collect troubleshooting information, and then contact the customer support center.

- If the cause of the error indicated by *aa....aa* is Shared memory management table overflow

The HADB server has acquired too much shared memory.

There might be too many global buffers. Carefully review the number of server definition `adbbuff` operands and the values specified for these options.

- If the cause of the error indicated by *aa....aa* is Shared memory address is not 4096 boundary
Specify a multiple of 4,096 for kernel parameter `SHMLBA`.
- If the cause of the error indicated by *aa....aa* is The system does not have the capability to use HugePages
Specify the group ID of the group for the HugePages user for kernel parameter `hugetlb_shm_group`.
- If the cause of the error indicated by *aa....aa* is The system can not use HugePages
Carefully review whether the environment can use HugePages, the kernel version, and the appropriate settings.
- If *aa....aa* is `RLIMIT_MEMLOCK` error
Revise the value of kernel parameter `memlock`.
- If the cause of the error indicated by *aa....aa* is The value of `adb_sys_memory_limit` in the server definition exceeds the size of shared memory that is available as HugePages
Change the value specified for the `adb_sys_memory_limit` operand in the server definition so it is equal to or smaller than *value-specified-for-kernel-parameter-vm.nr_hugepages × single-page-size-in-HugePages*. Alternatively, increase the value specified for the kernel parameter `vm.nr_hugepages`.

For details about kernel parameters, see *Estimating the kernel parameters* in the *HADB Setup and Operation Guide*.

KFAA40003-E

An error occurred during the creation of a server process. (information = *aa....aa*) (M)

An error occurred during the creation of a server process.

aa....aa: Cause of the error

- System call error, system call = "*bb....bb*", errno = *cc....cc*
A system call error has occurred.
bb....bb: Name of system call in which the error occurred
cc....cc: Error number

S:

Terminates processing.

Action:

Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA40004-E

The DB directory is already in use. (M)

The DB directory is already in use.

S:

Terminates processing.

Action:

A DB directory cannot be simultaneously accessed from multiple HADB servers. Carefully review the path name of the DB directory specified in the server definition's `adb_db_path` operand.

KFAA40005-E

There is contention for a locked resource "aa....aa". (M)

There is contention for a locked resource.

aa....aa: Locked resource in contention

- SCON: Single connection
- DIC: Dictionary
- DBAREA: DB area
- TABLE: Table
- PREPARE TABLE: Pre-processing table

S:

Terminates processing.

Action:

Open the message log file and check the messages that were output after this message. Eliminate the source of the lock, and then retry the operation.

KFAA40006-E

An unsupported locale was specified. (E)

An unsupported locale has been specified.

S:

Terminates processing.

Action:

Specify a locale supported by the OS in the `LANG` environment variable. After confirming that the setting of that environment variable is correct, retry the operation.

KFAA40007-E

Memory to execute the HADB system is insufficient. (memory type = *aa....aa*, request size = *bb....bb*, thread no = *cc....cc*, information1 = *dd....dd*, information2 = *ee....ee*) (M)

There is not enough memory to run the HADB server, and an attempt to allocate memory failed.

aa....aa: Type of memory that is insufficient

- PROCESS: Process common memory used by the HADB server
- THREAD: Real thread private memory used by the HADB server
- HEAP: Heap memory
- SHARE: Shared memory

bb....bb:

Size of memory you attempted to acquire (bytes)

cc....cc:

- If *aa....aa* is PROCESS, HEAP, or SHARE
0 is displayed.
- If *aa....aa* is THREAD
The real thread number is displayed.

dd....dd:

Maintenance information

ee....ee:

Maintenance information

S:

Terminates processing.

Action:

Take appropriate action as described in *Memory-related problems* in *Troubleshooting* in the *HADB Setup and Operation Guide*. Then, re-execute the command or SQL statement.

If the HADB server is running, execute the `adbstop` command to terminate the HADB server, and then take corrective action.

KFAA40008-E

An error occurred while accessing the core files storage directory. (serverdef = `adb_core_path`, information = *aa....aa*) (M)

An error occurred when attempting to access the error information (core file) output directory.

aa....aa: Cause of the error

- System call error, system call = "*bb....bb*", errno = *cc....cc*
A system call error has occurred.

bb....bb: Name of system call in which the error occurred

cc....cc: Error number

- NOT EXIST
The directory specified in the `adb_core_path` operand in the server definition does not exist.
- INVALID PATH FORMAT
The specification format of the directory path specified in the `adb_core_path` operand in the server definition is invalid.
- LENGTH ERROR
The path of the directory specified in the `adb_core_path` operand in the server definition is too long.
- INVALID LETTER
An invalid character is specified in the `adb_core_path` operand in the server definition.
- NO PERMISSION
No permission has been granted to access the directory specified in the `adb_core_path` server definition operand.

S:

Terminates processing.

Action:

Eliminate the error based on the cause of the error `aa....aa` that is output in the message.

- If `aa....aa` is System call error, `system call = "bb....bb"`, `errno = cc....cc`
Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.
- If `aa....aa` is NOT EXIST
Correct the `adb_core_path` operand specification or create the directory specified in the `adb_core_path` operand.
- If `aa....aa` is INVALID PATH FORMAT, LENGTH ERROR, or INVALID LETTER
Correct the path name specified in the `adb_core_path` operand.
- If `aa....aa` is NO PERMISSION
Specify a directory that the HADB administrator is authorized to access (read, write, and execute) in the `adb_core_path` operand or grant access permissions (read, write, and execute) to the HADB administrator by executing the `chmod` OS command on the directory specified in the `adb_core_path` operand.

KFAA40009-E

An error occurred during the creation of a real thread. (number of requests = `aaaa`, number of created real threads = `bbbb`) (M)

An error occurred during creation of a real thread.

aaaa:

Number of real threads that needed to be created

bbbb:

Number of real threads that were created

S:

Terminates processing.

Action:

Using the following procedure, carefully review all kernel parameters, and then re-execute:

1. Using the OS's `ulimit -u` command, carefully review whether the value specified for `nproc` is sufficient.
2. If the value specified for `nproc` is sufficient and an error still occurs, carefully review the value specified for `threads-max`.

KFAA40010-E

The *aa....aa* real threads were forcibly terminated during processing. (M)

A real thread has been forced to terminate during processing.

aa....aa:

Type of real thread

S:

Continues processing.

KFAA40011-E

Commands cannot be executed on kernel versions not supported by HADB. (HADB supported kernel versions = "*aa....aa*" or later, execution environment kernel versions = "*bb....bb*") (E)

Commands cannot be executed on kernel versions that are not supported by HADB.

aa....aa:

Kernel version required by HADB

bb....bb:

Kernel version used in the command execution environment

S:

Terminates processing.

Action:

Upgrade the OS to a kernel version that is supported by HADB.

KFAA40012-I

HADB system shared memory was acquired. (`shmid = aa....aa, sysid = bb....bb`) (M)

The shared memory was acquired.

aa....aa:

Identifier of the shared memory segment

bb....bb:

Sequence number assigned to the shared memory that the HADB server is using

S:

Continues processing.

KFAA40013-E

An error occurred during a semaphore operation. (information = *aa....aa*) (M)

An error occurred during a semaphore operation.

aa....aa: Cause of the error

- System call error, system call = "*bb....bb*", errno = *cc....cc*

A system call error has occurred.

bb....bb: Name of system call in which the error occurred

cc....cc: Error number

S:

Terminates processing.

Action:

Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA40014-I

A HADB dump file was output. (M)

An HADB dump file was output.

S:

Continues processing.

KFAA40015-E

An error occurred while trying to output a HADB dump file. (information = *aa....aa*) (M)

An attempt to output an HADB dump file resulted in an error.

aa....aa: Cause of the error

- `write error. errno = bbb`: An error occurred during output operations to the HADB dump file.
bbb: Error number
- `multiple exceptions were detected`: Multiple exceptions were detected.

S:

Continues processing.

Action:

- If information is `write error. errno = bbb`, check in the OS documentation for the error number that is displayed, and then eliminate the cause of the error.
- If information is `multiple exceptions were detected`, take the appropriate action based on the message indicating the cause of error that was output immediately prior to this message.

KFAA40016-E

An attempt to open a HADB dump file failed. (information = *aa....aa*) (M)

An attempt to open an HADB dump file failed.

aa....aa: Cause of the error

- `open error. errno = bb....bb`
bb....bb: Error number

S:

Continues processing.

Action:

Check in the OS documentation for the error number that is displayed, and then eliminate the cause of the error.

KFAA40017-I

HADB system shared memory was attached. (`shmid = aa....aa, sysid = bb....bb, address = cc....cc`) (M)

Shared memory was attached.

aa....aa:

ID of shared memory segment

bb....bb:

Serial number allocated to shared memory being used by HADB server

cc....cc:

Address attached

S:

Continues processing.

KFAA40018-I

A wait for the release of a locked resource "aa....aa" occurred. (M)

The process of allocating the locked resource was placed in wait status.

aa....aa: Name of locked resource

- DIC: Dictionary
- TABLE: Table
- PREPARE TABLE: Pre-processing table

S:

Continues processing.

KFAA40019-I

A wait for the release of a locked resource "aa....aa" was resolved. (M)

The process of allocating the locked resource has been released from wait status.

aa....aa: Name of locked resource

- DIC: Dictionary
- TABLE: Table
- PREPARE TABLE: Pre-processing table

S:

Continues processing.

KFAA40020-W

The number of concurrent connections to the HADB server has reached or exceeded *aa....aa*% of the maximum number of concurrent connections. (number of connections = *bb....bb*, *cc....cc* = *dd....dd*) (L+M)

The number of connections to the HADB server has reached *aa....aa* % of the maximum number of concurrent connections.

aa....aa: Output trigger of a warning message regarding the maximum number of concurrent connections (%)

- If a client group has not been defined
The value specified for the `adb_sys_max_users_wrn_pnt` operand in the server definition is displayed.
- If a client group has been defined
The value specified for the `-w` option of the `adbcltgrou`p in the server definition applied to the client group is displayed.

bb....bb: Current number of connections to the HADB server

If a client group has been defined, the number of connections for that client group is displayed.

cc....cc:

One of the following is displayed:

- `adb_sys_max_users`
This is displayed if a client group has not been defined.
- `adbcltgrp(-g: client group name, -m)`
This is displayed if a client group has been defined.

dd....dd: Maximum number of concurrent connections

- If a client group has not been defined
The value specified for the `adb_sys_max_users` operand in the server definition is displayed.
- If a client group has been defined
The value specified for the `-m` option of the `adbcltgrp` operand in the server definition applied to the client group is displayed.

S:

Continues processing.

Action:

See *Checking the application or command processing status* in the *HADB Setup and Operation Guide*, and check whether an application or command has established unauthorized connections.

If this message is frequently output, revise the following values:

- If a client group has not been defined
`adb_sys_max_users_wrn_pnt` operand or `adb_sys_max_users` operand in the server definition
- If a client group has been defined
`adbcltgrp` operand's `-w` option or `adbcltgrp` operand's `-m` option in the server definition

Once output, this message will not be output again until the number of connections to the HADB server (or that number in the client group if defined) is below the trigger level to reset the warning message output status.

KFAA40021-W

The amount of memory used by the HADB server has reached or exceeded *aa....aa%* of the maximum amount that can be used by the HADB server. (memory used = *bb....bb* MB, `adb_sys_memory_limit` = *cc....cc* MB) (L+M)

The amount of memory used by the HADB server has reached *aa....aa%* of the maximum size of memory that the HADB server can use (value specified for the `adb_sys_memory_limit` operand).

aa....aa: Output trigger of a warning message regarding the amount of memory used by the HADB server (%)

The value specified for the `adb_sys_memory_limit_wrn_pnt` operand in the server definition is displayed.

bb....bb:

Current memory usage by the HADB server (MB)

cc....cc: Maximum size of memory that the HADB server can use (MB)

The value specified for the `adb_sys_memory_limit` operand in the server definition is displayed.

S:

Continues processing.

Action:

See *Checking the memory usage status for each real thread* in the *HADB Setup and Operation Guide*, and then check the usage of memory.

If this message is frequently output, revise the values specified for the following operands in the server definition:

- `adb_sys_memory_limit_wrn_pnt`
- `adb_sys_memory_limit`

Once output, this message will not be output again until the amount of memory used by the HADB server reaches or drops below the trigger level to reset the warning message output status.

KFAA40022-W

The value specified for the server definition *aa....aa* contains an error. The specified value *bb....bb* will be changed to *cc....cc*. (M)

Because the value specified for the *aa....aa* operand in the server definition contains an error, the value to be applied in the system will be changed from *bb....bb* to *cc....cc*.

aa....aa:

Operand name in the server definition

bb....bb:

Value before the change (value specified for the operand)

cc....cc:

Value after the change (value applied in the system)

S:

Continues processing.

Action:

Take one of the following actions:

- If *aa....aa* is `adb_sys_max_users_wrn_pnt`

Correct the value specified for the `adb_sys_max_users_wrn_pnt` operand. Specify the value so that *output-trigger-of-a-warning-message-relating-to-the-maximum-number-of-concurrent-connections* is equal to or larger than *reset-trigger-of-the-warning-message-output-status*.

- If *aa....aa* is `adb_sys_memory_limit_wrn_pnt`

Correct the value specified for the `adb_sys_memory_limit_wrn_pnt` operand. Specify the value so that *output-trigger-of-a-warning-message-relating-to-the-amount-of-memory-used-by-the-HADB-server* is equal to or larger than *reset-trigger-of-the-warning-message-output-status*.

KFAA40023-I

The warning message output status was reset because the number of concurrent connections to the HADB server decreased to *aa....aa%* or less of the maximum number of concurrent connections. (number of connections = *bb....bb*, *cc....cc* = *dd....dd*) (M)

The number of connections to the HADB server has decreased to *aa....aa*% or less of the maximum number of concurrent connections. The warning message output status is reset.

aa....aa: Reset trigger of the warning message output status (%)

- If a client group has not been defined

The value specified for the `adb_sys_max_users_wrn_pnt` operand in the server definition is displayed.

- If a client group has been defined

The value specified for the `-w` option of the `adbcltgrp` operand in the server definition applied to the client group is displayed.

bb....bb: Current number of connections to the HADB server

If a client group has been defined, the number of connections for that client group is displayed.

cc....cc:

One of the following is displayed:

- `adb_sys_max_users`

This is displayed if a client group has not been defined.

- `adbcltgrp(-g: client group name, -m)`

This is displayed if a client group has been defined.

dd....dd: Maximum number of concurrent connections

- If a client group has not been defined

The value specified for the `adb_sys_max_users` operand in the server definition is displayed.

- If a client group has been defined

The value specified for the `-m` option of the `adbcltgrp` operand in the server definition applied to the client group is displayed.

S:

Continues processing.

KFAA40024-I

The warning message output status was reset because the amount of memory used by the HADB server decreased to *aa....aa*% or less of the maximum amount that can be used by the HADB server. (memory used = *bb....bb* MB, `adb_sys_memory_limit` = *cc....cc* MB) (M)

The amount of memory used by the HADB server has decreased to *aa....aa*% or less of the maximum size of memory that the HADB server can use (value specified for the `adb_sys_memory_limit` operand). The warning message output status is reset.

aa....aa: Reset trigger of the warning message output status (%)

The value specified for the `adb_sys_memory_limit_wrn_pnt` operand in the server definition is displayed.

bb....bb:

Current memory usage by the HADB server (MB)

cc....cc: Maximum size of memory that the HADB server can use (MB)

The value specified for the `adb_sys_memory_limit` operand in the server definition is displayed.

S:

Continues processing.

KFAA40025-W

The message log file is in fall-back mode because the disk on which the *aa....aa* is stored is full. (L+M)

There is not enough free space on the disk where the message log file for the HADB server or HADB client is stored. Therefore, the message log file is placed in fall-back mode.

aa....aa: Message log file that is placed in fall-back mode

- **server message log**: Server message log file
- **client message log**: Client message log file

S:

Continues processing.

Action:

Take one of the following corrective actions:

- **If *aa....aa* is server message log**

Check the amount of free space on the disk where the server message log file is stored. For details about how to check, see *Releasing the message log file from fall-back mode* in the *HADB Setup and Operation Guide*.

In addition, allocate free space of at least twice the value specified for the ADBMSGLOGSIZE environment variable by, for example, deleting unnecessary work files from the disk where the server message log file is stored.

- **If *aa....aa* is client message log**

Check the amount of free space on the disk in which the client message log file is stored. For details about how to check, see *Releasing the message log file from fall-back mode* in the *HADB Setup and Operation Guide*.

In addition, allocate free space of at least twice the value specified for the ADBMSGLOGSIZE environment variable by, for example, deleting unnecessary work files from the disk where the client message log file is stored.

KFAA40203-E

Memory is insufficient for processing. (M)

The HADB server is not able to allocate sufficient process common memory.

S:

Terminates processing.

Action:

Use the procedure below to resolve the shortage of process common memory. Then, re-execute the command.

If necessary, restore the database before re-executing the command. For details, see the corrective action to take when a command terminates abnormally in the manual *HADB Command Reference*.

1. Check for any unnecessary processes. If there are any unnecessary processes, shut them down.

2. If there is not enough process common memory after performing step 1, restart the OS. Then, execute the `adbstart` command to start the HADB server.
3. If there is not enough process common memory after performing step 2, change the kernel parameter setting to increase the amount of memory that processes can use. After restarting the OS, execute the `adbstart` command to start the HADB server.

KFAA40204-E

An error occurred in *aa....aa* processing on the file *bb....bb*. (M)

An error occurred in I/O involving a file.

aa....aa: Processing that generated the error

- `open`: An error occurred when opening a file.
- `read`: An error occurred when reading a file.
- `write`: An error occurred when writing to a file.
- `close`: An error occurred when closing a file.
- `reopen`: An error occurred when re-opening a file.

bb....bb:

Name of file or directory where the error occurred

S:

Terminates processing.

Action:

Check the messages that were output before and after this message in the message log file, and eliminate the cause of the error. Then, re-execute the command.

If necessary, restore the database, and then re-execute the command. For details about how to restore the database, see the corrective action to take when a command terminates abnormally in the manual *HADB Command Reference*.

For details about what action to take for each error cause, see *Troubleshooting* in the *HADB Setup and Operation Guide*. If this message is output during command execution, also see *Command-related problems* in the *HADB Setup and Operation Guide*.

When no message indicating the cause of the error is output to the message log file, the following factors relating to file *bb....bb* are possible explanations:

- Permissions required for accessing file *bb....bb* might not have been set up.
- The disk area for storing the *bb....bb* file might be full.
- An I/O error might have occurred.
- The size of the input data file was changed while data was being imported.

KFAA40205-E

A file I/O error occurred. (reason = *aa....aa*, func = *bb....bb*, errno = *cc....cc*, (*dd....dd*)) (M)

An error occurred in I/O involving a file.

aa....aa: Reason the error occurred

Details are shown in the following table.

Value of aa....aa	Description
File-lock	The affected file is in use by another program. Wait until the file operations of the other program have terminated, and then retry the operation.
Invalid-parameter	An internal processing conflict was found. Contact the customer support center.
Invalid-path	The following are possible causes: <ul style="list-style-type: none">• The path name is invalid. Check for problems with the path name.• An operation such as a delete or update was performed on the file while an application program was executing.
Invalid-permission	The following are possible causes: <ul style="list-style-type: none">• The permission (for access) for the specified file is invalid. Carefully review the permissions for possible problems.• The file specified at the write destination is a read-only file. Check whether the write destination file is correct.• A file already opened by another application program was specified.
File-format	The following are possible causes: <ul style="list-style-type: none">• The specified file format differs from the actual file format. If the row length (length to the linefeed) actually input from a file is longer than the input file row length calculated from the specified option values, this error might result. Suppose that the file format of the input data file is CSV format and the -r option (column structure information file) is specified for the <code>adbimport</code> command, the maximum value for field data number can be specified for this option. In this case, the maximum field data number specified for the column structure information option is added to the input file row length calculated from the option specification.• The format of the file that specifies the table name or index identifier is invalid.
File-sequence	The multivolume file sequence is invalid.
Invalid-device	The entry type (attribute) of the specified file is invalid. If the entry type can be identified, it is displayed as a single alphabetic character in parentheses. Carefully review whether the locations where the directory name and file name were specified are correct.
No-file	There is no file to read. Another possibility is that the file was deleted during writing.
No-space	There is not enough space in the file to be written to.
No swap-file	There is no swap file for the multivolume file. Carefully review the capacity. Alternatively, specify a multivolume file.
Same-file	The file specified as the multivolume file is the same as the file just processed. Another possibility is that an attempt was made, when writing to a multivolume file, to overwrite the current volume onto a previous volume.
Unmatch-entry	The entry in the header does not match the specification of the control information file, for a file that has a header. The name of the entry that does not match is displayed in parentheses.
no-data	The quantity of data items that were recorded at the synchronization point does not exist in the specified file.

bb....bb: Name of system call in which the error occurred

The name of the system call is displayed when the OS detects an error. Otherwise, *** is displayed.

cc....cc:

Error number

dd....dd:

The source file name and row number where the failure was detected.

S:

Terminates processing.

Action:

Based on the reason the error was generated, the system call name, and the error number, eliminate the cause of the error. Then, re-execute the command.

If necessary, restore the database before re-executing the command. For details about how to restore the database, see the corrective action to take when a command terminates abnormally in the manual *HADB Command Reference*.

For details about what action to take for each error cause, see *Troubleshooting* in the *HADB Setup and Operation Guide*. If this message is output during command execution, also see *Command-related problems* in the *HADB Setup and Operation Guide*.

If using the multi-node function:

For details about the corrective action to take if a running command is interrupted and the table to be processed becomes non-updatable, see the following: *Releasing a base table from non-updatable status (when the multi-node function is being used)* in *Base table operations (when the multi-node function is being used)* in the *HADB Setup and Operation Guide*.

KFAA40207-E

An error occurred in *aaaa* processing. (func = *bb....bb*, return code = *cc....cc*) (M)

An error occurred during *aaaa* processing.

aaaa:

Program name

bb....bb:

Name of function where the error occurred

cc....cc:

Error code of function where the error occurred

S:

Terminates processing.

Action:

Take the corrective action that corresponds to the error code output to *cc...cc*, as indicated in the following table.

Check whether the database needs to be restored before re-executing the command. For details about how to restore the database, see the corrective action to take when a command terminates abnormally in the manual *HADB Command Reference*.

Error code	Reason the error occurred	Corrective action to take
-202	Memory is insufficient.	<p>Use the following procedure to resolve the shortage of process common memory:</p> <ol style="list-style-type: none">1. Check for any unnecessary processes. If there are any unnecessary processes, shut them down.2. If there is not enough memory after performing step 1, restart the OS. Then, execute the adbstart command to start the HADB server.3. If there is not enough memory after performing step 2, change the kernel parameter setting to increase the amount of memory that

Error code	Reason the error occurred	Corrective action to take
		processes can use. After restarting the OS, execute the <code>adbstart</code> command to start the HADB server.
-210 -230	There is not enough available space in the work directory that stores temporary work files.	<p>The corrective action to take differs depending on whether the <code>-w</code> option was specified when the command was executed.</p> <ul style="list-style-type: none"> If the <code>-w</code> option was specified Specify a directory that has sufficient free disk space allocated, and then retry the operation. If the <code>-w</code> option was not specified Specify a directory that has sufficient free disk space allocated, using the <code>-w</code> option, and then retry the operation. <p>Alternatively, allocate sufficient free space on the disk that stores the DB directory, and then retry the operation without specifying the <code>-w</code> option.</p> <p>For details about the corrective action to take, also see <i>Command-related problems</i> in the <i>HADB Setup and Operation Guide</i>.</p>
-290	The sort buffer is not big enough.	<p>Take one of the following actions:</p> <ul style="list-style-type: none"> Increase the value specified in import option <code>adb_import_sort_buff_size</code>. Increase the value specified in index rebuild option <code>adb_idxrebuild_sort_buff_size</code>. Increase the value specified in merge chunk option <code>adb_mergechunk_sort_buff_size</code>. Increase the value specified in unarchived chunk option <code>adb_unarcv_sort_buff_size</code>.
Other error codes	An error occurred during sort processing.	Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.

KFAA40208-E

An error occurred in *aaaa* processing. (func = *bb....bb*, errno = *cc....cc*) (M)

An error occurred during *aaaa* processing.

aaaa:

Program name

bb....bb:

Name of the function where the error occurred

cc....cc:

Error code of the function where the error occurred

S:

Terminates processing.

Action:

Take the corrective action according to the error code indicated by *cc....cc*.

Before re-executing the command, check whether the database needs to be restored. For details about how to restore the database, see the corrective action to take when a command terminates abnormally in the manual *HADB Command Reference*.

Error code	Cause of the error	Corrective action to take
-202	Memory is insufficient.	<p>Use the following procedure to resolve the shortage of memory.</p> <ol style="list-style-type: none"> Check for any unnecessary processes. If there are any unnecessary processes, stop them. If there is still not enough memory after performing step 1, restart the OS. Then, execute the <code>adbstart</code> command to start the HADB server. If there is still not enough memory after performing step 2, change the kernel parameter setting to increase the maximum amount of memory that processes can use. After restarting the OS, execute the <code>adbstart</code> command to start the HADB server.
-210 -230	There is not enough available space in the work directory in which to store temporary work files.	<p>The corrective action to take differs depending on whether the <code>-w</code> option was specified when the command was executed.</p> <ul style="list-style-type: none"> If the <code>-w</code> option was specified Specify a directory that has sufficient free disk space allocated, and then retry the operation. If the <code>-w</code> option was not specified Use the <code>-w</code> option to specify a directory that has sufficient free disk space allocated, and then retry the operation. Alternatively, allocate sufficient free space on the disk where the DB directory is stored, and then retry the operation without specifying the <code>-w</code> option.
-290	The sort buffer size is insufficient.	<p>Take one of the following actions:</p> <ul style="list-style-type: none"> Increase the value specified for the import option <code>adb_import_sort_buff_size</code>. Increase the value specified for the index rebuild option <code>adb_idxrebuild_sort_buff_size</code>. Increase the value specified for the merge chunk option <code>adb_mergechunk_sort_buff_size</code>. Increase the value specified for the unarchived chunk option <code>adb_unarcv_sort_buff_size</code>.
Error codes other than the above	An error occurred during sort processing.	Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.

KFAA40212-E

Memory is insufficient. (size of the insufficient memory = *aa....aa*, part number = *bb....bb*, part code = *cc....cc*)
(M)

A memory shortage occurred.

aa....aa:

Size of the attempted allocation of memory

bb....bb:

Maintenance information 1

cc....cc:

Maintenance information 2

S:

Terminates processing.

Action:

Refer to the corrective action of the KFAA40007-E message.

If necessary, restore the database before re-executing the command. For details about how to restore the database, see the corrective action to take when a command terminates abnormally in the manual *HADB Command Reference*.

When this message is output, also consider the following corrective actions:

- Check whether the memory of the environment to be executed can allocate the amount of memory indicated by *aa....aa*.
- If this message is output during execution of the `adbimport` command, check whether the defined length of the column of the table to be imported is longer than the maximum length of data to be stored. If it is, consider reducing the defined length of the column.

KFAA40213-E

An attempt to perform *aa....aa* processing for the file *bb....bb* has failed. (M)

An attempt to delete a file failed.

aa....aa: Processing that failed to execute

- `unlink`: Deletion processing

bb....bb:

File name

S:

Terminates processing.

Action:

The file has not been deleted. If the file is not necessary, delete it manually.

KFAA40214-E

An error occurred in a system call. (`func = aa....aa, errno = bb....bb`) (M)

A system call error occurred.

aa....aa:

Name of system call in which the error occurred

bb....bb:

Error number

S:

Terminates processing.

Action:

If the system call name (function) is `malloc`, the HADB server is not able to allocate sufficient process common memory. Use the following procedure to resolve a shortage of process common memory:

1. Check for any unnecessary processes. If there are any unnecessary processes, shut them down.

2. If there is not enough process common memory after performing step 1, restart the OS. Then, execute the `adbstart` command to start the HADB server.
3. If there is not enough process common memory after performing step 2, change the kernel parameter setting to increase the amount of memory that processes can use. After restarting the OS, execute the `adbstart` command to start the HADB server.

If other error messages are also displayed, check those messages and eliminate the cause of the error. Then, re-execute the command.

For details about the corrective action to take, also see *Command-related problems* in the *HADB Setup and Operation Guide*.

If necessary, restore the database before re-executing the command. For details about how to restore the database, see the corrective action to take when a command terminates abnormally in the manual *HADB Command Reference*.

KFAA40215-E

An error occurred during a statistics log file operation. (file name = *aa....aa*, system call = *bb....bb*, reason = *cc....cc*) (M)

An error occurred during statistics log file operation.

aa....aa:

Name of the statistics log file in which the error occurred

bb....bb:

System call name

cc....cc:

Cause of the error

S:

Terminates processing.

Action:

Take the corrective action for the cause of the error indicated by *cc....cc*.

Cause of the error indicated by <i>cc....cc</i>	Description	Action
no permission	The user does not have privileges for the statistics log file and the storage directory of the statistics log file.	Grant the following privileges to the HADB administrator. Then, start the HADB server. <ul style="list-style-type: none"> • Statistics log file Grant write privileges to the HADB administrator. • Statistics log file storage directory Grant read, write, and execution privileges to the HADB administrator.
not found directory	The storage directory of the statistics log file does not exist.	Make sure that the path name specified for the <code>adb_sta_log_path</code> operand in the server definition is correct. If the storage directory of the statistics log file does not exist, create that directory. Then, start the HADB server.
not directory	The storage directory of the statistics log file is not a directory.	Specify a directory for the <code>adb_sta_log_path</code> operand in the server definition. Then, start the HADB server.

KFAA40216-E

An error occurred during access to the storage directory of the statistics log file. (serverdef = adb_sta_log_path, information = aa....aa) (M)

An error occurred during access to the storage directory of the statistics log file.

aa....aa:

Cause of the error

S:

Terminates processing.

Action:

Take the corrective action for the cause of the error displayed for *aa....aa*.

Cause of the error displayed for <i>aa....aa</i>	Description	Action
invalid path format	The specification format of the path specified for the <code>adb_sta_log_path</code> operand in the server definition is invalid.	Correct the path name specified for the <code>adb_sta_log_path</code> operand in the server definition. Then, start the HADB server.
length error	The path specified for the <code>adb_sta_log_path</code> operand in the server definition is too long.	
invalid letter	Invalid characters are specified for the <code>adb_sta_log_path</code> operand in the server definition.	

KFAA40220-E

An error occurred during a statistics log file operation. (file name = *aa....aa*, system call = *bb....bb*, errno = *cc....cc*) (M)

An error occurred when a statistics log file was manipulated.

aa....aa:

File name

bb....bb:

System call name

cc....cc:

Error number

S:

Terminates processing.

Action:

Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error.

If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA40289-E

To execute the `bb....bb` command, you need at least `aa....aa` threads. (E+M)

At least `aa....aa` threads are required to execute the `bb....bb` command.

`aa....aa`:

Minimum number of threads needed to execute a command

`bb....bb`:

Command name

S:

Terminates processing.

Action:

If you omit the options shown in the following table when specifying the corresponding commands, the value specified for the `adb_sql_exe_max_rthd_num` operand in the server definition is assumed as the number of threads used by the commands. The commands, however, cannot be executed, because the value specified for the `adb_sql_exe_max_rthd_num` operand is less than the minimum number of threads required by each command. Specify a value equal to or greater than the minimum number of threads required (a value equal to or greater than `aa....aa`) for the command options shown in the following table, and execute the command again.

Command name	Command option name	Minimum number of threads required
<code>adbimport</code>	<code>adb_import_rthd_num</code>	2
<code>adbidxrebuild</code>	<code>adb_idxrebuild_rthd_num</code>	3
<code>adbgetcst</code>	<code>adb_getcst_rthd_num</code>	2
<code>adbexport</code>	<code>adb_export_rthd_num</code>	3
<code>adbmergechunk</code>	<code>adb_mergechunk_rthd_num</code>	3
<code>adbarchivechunk</code>	<code>adb_arcv_rthd_num</code>	3
<code>adbunarchivechunk</code>	<code>adb_unarcv_rthd_num</code>	2

KFAA40290-E

The number of threads that can be used is insufficient. (required no. of threads = `aaaa`, available no. of threads = `bbbb`, command = `cc....cc`) (E+M)

The number of threads is insufficient to execute the `cc....cc` command.

`aaaa`:

Number of threads to be used by the command `cc....cc`

bbbb:

Available number of processing real threads

cc....cc:

Name of the command for which the number of threads is insufficient

S:

Terminates processing.

Action:

The number specified for the option[#] of the command *cc....cc* (the number specified as the number of threads to be used for the command) has exceeded either of the following specified values.

- The value specified for the `adb_sys_rthd_num` operand in the server definition
- The value specified for the `-r` option of the `adbcltgrp` operand in the server definition (the value specification of the command group)

In such a case, take one of the following corrective actions:

- For the option[#] of the command *cc....cc*, set a smaller number of threads to be used for command execution.
- Specify a larger value for the `adb_sys_rthd_num` operand or for the `-r` option of the `adbcltgrp` operand in the server definition.

Make sure that *number-of-threads-to-be-used-by-command* is equal to or less than *available-number-of-processing-real-threads*. Once this is done, re-execute the command.

#

The following tables shows the relevant option of each command and the minimum number of threads required for command execution.

Command name	Command option name	Minimum number of threads required
<code>adbimport</code>	<code>adb_import_rthd_num</code>	2
<code>adbidxrebuild</code>	<code>adb_idxrebuild_rthd_num</code>	3
<code>adbgetcst</code>	<code>adb_getcst_rthd_num</code>	2
<code>adbexport</code>	<code>adb_export_rthd_num</code>	3
<code>adbmergechunk</code>	<code>adb_mergechunk_rthd_num</code>	3
<code>adbarchivechunk</code>	<code>adb_arcv_rthd_num</code>	3
<code>adbunarchivechunk</code>	<code>adb_unarcv_rthd_num</code>	2

KFAA40291-W

A value larger than *aaaa* is specified for a value in the server definition `adb_cmd_rthd_num`. The specified value is ignored and the value of *aaaa* is changed to the assumed value of the number of processing real threads used by the command, and then processing will continue. (`adb_cmd_rthd_num = bbbb`, `adb_sys_rthd_num = cccc`) (M)

A value has been specified for the server definition's `adb_cmd_rthd_num` operand that is larger than the value calculated using the following formula.

- Formula

$$(value\text{-of}\text{-server}\text{-definition}\text{-}adb_sys_rthd_num\text{-}operand - 2) \div 2$$

The system ignores the specification of the `adb_cmd_rthd_num` operand, changes the provisional value for number of processing real threads a command uses into the value calculated using the above formula, and then continues processing.

When the value specified for the `adb_sys_rthd_num` operand is 3 or less, the provisional value for number of processing real threads a command will use changes to 1.

aaaa:

Value found with the above formula

bbbb:

Provisional value for number of processing real threads a command will use specified in the `adb_cmd_rthd_num` operand

cccc:

Number of processing real threads specified in the `adb_sys_rthd_num` operand

S:

Continues processing.

Action:

Change the value of the `adb_cmd_rthd_num` operand to be no more than the value calculated in the formula above.

KFAA40292-E

An error occurred in *aa....aa* processing. (func = *bb....bb*, return code = *cc....cc*, file = *dd....dd*) (M)

An error occurred during file compression or decompression processing.

aa....aa: Processing in which the error occurred

- `compression`: File compression processing
- `decompression`: File decompression processing

bb....bb:

Name of the `zlib` function where the error occurred

cc....cc:

Return value of the `zlib` function

dd....dd:

Path name of the file in which the error occurred

S:

Terminates processing.

Action:

If *cc....cc* is 2:

A preset dictionary request error occurred during file decompression processing. Files compressed by using a preset dictionary cannot be decompressed. Use a file that has been compressed without using a preset dictionary.

If *cc....cc* is not 2:

- If the `adbimport` command caused the error

If *aa....aa* is decompression, perform the following procedure.

1. Check whether the OS's gzip command or the adbexport command that compressed *dd....dd* terminated abnormally.
2. If the command terminated abnormally, take the corrective action for the cause, and then re-execute the OS's gzip command or the adbexport command.
3. Re-execute the adbimport command.

If *aa....aa* is not decompression, execute the adbinfoget command to collect troubleshooting information, and then contact the customer support center.

- If a command other than the adbimport command caused the error

Execute the adbinfoget command to collect troubleshooting information, and then contact the customer support center.

KFAA40293-E

A memory shortage occurred in *aa....aa* processing. (func = *bb....bb*, return code = *cc....cc*, file = *dd....dd*) (M)

A memory shortage occurred during file compression or decompression processing.

aa....aa: Processing in which the error occurred

- compression: File compression processing
- decompression: File decompression processing

bb....bb:

Name of the zlib function where the error occurred

cc....cc:

Maintenance information

dd....dd:

Path name of the file in which the error occurred

S:

Terminates processing.

Action:

Take one of the following actions:

1. Make sure that unnecessary processes do not exist. If there are any unnecessary processes, shut them down, and then execute the command.
2. If there is still not enough memory after performing step 1, restart the OS. Then, start the HADB server, and then execute the command.
3. If there is still not enough memory after performing step 2, increase the value specified for the kernel parameter that sets the maximum amount of memory that processes can use, and then restart the OS. Then, start the HADB server, and then execute the command.

KFAA41000-W

The value of the *aa* option in the client group (*bb....bb*) will be changed from *cc....cc* to *dd....dd*. (M)

The value specified for the *aa* option of the client group *bb....bb* will be changed from *cc....cc* to *dd....dd*.

aa:

Option name of the `adbcltgrp` operand in the server definition

bb....bb:

Client group name or command group name

cc....cc:

Value specified for the *aa* option of the `adbcltgrp` operand in the server definition

dd....dd:

Value after change (value assumed by the HADB server)

S:

Continues processing.

Action:

- If *aa* is `-m`

Revise the value specified for the `-m` option of the `adbcltgrp` operand in the server definition. If the value of the `-m` option is greater than the value obtained by the following calculation, change the value of the option to be equal to or smaller than the calculated value.

A-B

Explanation of variables

A: Value specified for the `adb_sys_max_users` operand in the server definition
B: Sum of the values specified for `-u` options of the `adbcltgrp` operands in server definitions for the groups other than the local group

- If *aa* is `-r`

Revise the value specified for the `-r` option of the `adbcltgrp` operand in the server definition. If the value of the `-r` option is greater than the value obtained by the following calculation, change the value of the option to be equal to or smaller than the calculated value.

A-B

Explanation of variables

A: Value specified for the `adb_sys_rthd_num` operand in the server definition
B: Sum of the values specified for `-e` options of the `adbcltgrp` operands in server definitions for the groups other than the local group

- If *aa* is `-w`

Revise the value specified for the `-w` option of the `adbcltgrp` operand in the server definition. Specify the value so that *output-trigger-of-a-warning-message-relating-to-the-maximum-number-of-concurrent-connections-for-the-specified-client-group* is equal to or larger than *reset-trigger-of-the-warning-message-output-status*.

For details about the value specification for each option, see the description of the `adbcltgrp` operand in *Operands and options related to the client-group facility (command format)* in *Detailed descriptions of the server definition operands* in *Designing the Server Definition* in the *HADB Setup and Operation Guide*.

KFAA41001-E

The operation failed. (operation = *aa....aa*, errno = *bb....bb*) (M)

The *aa....aa* operation failed.

aa....aa: Name of the system call that caused the error

- `popen`

This is called when the `monshow` command is executed to monitor the status of HA Monitor.

bb....bb:

Error number

S:

Terminates this transaction.

Action:

In the OS documentation, check the system call name indicated by *aa....aa* and the error number indicated by *bb....bb*, and then eliminate the cause of the error.

KFAA41100-W

The value of `adb_sql_exe_max_rthd_num` is invalid. The value must be less than or equal to the value of `adb_sys_rthd_num`. The `adb_sql_exe_max_rthd_num` value will be changed to the value of `adb_sys_rthd_num`. (`adb_sql_exe_max_rthd_num = aaaa`, `adb_sys_rthd_num = bbbb`) (M)

A value was specified for the maximum number of SQL processing real threads that is larger than the number of processing real threads. The specified value is ignored, and processing continues using the value specified for the number of processing real threads as the maximum number of SQL processing real threads.

aaaa:

The maximum number of SQL processing real threads specified in the server definition's `adb_sql_exe_max_rthd_num` operand

bbbb:

The number of processing real threads specified in the server definition's `adb_sys_rthd_num` operand

S:

Continues processing.

Action:

Carefully review the specified values so that the value specified for the server definition's `adb_sql_exe_max_rthd_num` operand is less than or equal to the value of the `adb_sys_rthd_num` operand.

For details about the operands, see the topic *Operands related to performance (set format)* in *Detailed descriptions of the server definition operands* in *Designing the Server Definition* in the *HADB Setup and Operation Guide*.

KFAA41101-W

The value of `adb_sql_exe_hashgrp_area_size` is invalid. A value from 1 to 3 cannot be specified. The value of `adb_sql_exe_hashgrp_area_size` will be set to 4. (`adb_sql_exe_hashgrp_area_size = b`) (M)

A value smaller than 4 (between 1 and 3) was specified for the hash group area size. The specified value is ignored, and the hash group area size is changed to 4.

b:

Value of the hash group area size specified in the server definition's `adb_sql_exe_hashgrp_area_size` operand.

S:

Continues processing.

Action:

Carefully review the setting so that the specified value of the server definition's or client definition's `adb_sql_exe_hashgrp_area_size` operand is either 0 or in the range 4-1,000,000.

For details about the `adb_sql_exe_hashgrp_area_size` operand, see the following: If the operand is in the server definition, see the topic *Operands related to performance (set format)* in *Detailed descriptions of the server definition operands in Designing the Server Definition* in the *HADB Setup and Operation Guide*. If the operand is in the client definition, see the topic *Operands related to performance* in *Contents of operands in the client definition* in *Designing Client Definitions* in the *HADB Application Development Guide*.

KFAA41103-W

The value of `aa....aa` in the client definition is invalid. The value must be less than or equal to the value specified in the server definition. The value of `aa....aa` in the client definition will be changed to the value specified in the server definition. (client definition = `bb....bb`, server definition = `cc....cc`) (M)

For the `aa....aa` operand, the value specified in the client definition is being ignored and the value specified in the server definition is being used, because the value specified in the client definition is greater than the value specified in the server definition.

aa....aa: Name of the target operand:

- `adb_sql_exe_max_rthd_num`: Maximum number of SQL processing real threads
- `adb_sql_exe_hashtbl_area_size`: Size of the hash table area
- `adb_sql_exe_hashflt_area_size`: Size of the hash filter area

bb....bb:

Value of the `aa....aa` operand specified in the client definition

cc....cc:

Value of the `aa....aa` operand specified in the server definition

S:

Continues processing.

Action:

Evaluate the `aa....aa` operand values, and set the value specified in the client definition to be equal to or less than the value specified in the server definition.

For details about the target operand, see the following: If the operand is in the server definition, see the topic *Operands related to performance (setformat)* in *Detailed descriptions of the server definition operands* in *Designing the Server Definition* in the *HADB Setup and Operation Guide*. If the operand is in the client definition, see the topic *Operands related to performance* in *Contents of operands in the client definition* in *Designing Client Definitions* in the *HADB Application Development Guide*.

KFAA41105-W

The value of `adb_sql_exe_max_rthd_num` in the client definition must be less than or equal to the maximum number of processing real threads usable in SQL execution. The value of `adb_sql_exe_max_rthd_num` in the client definition will be changed to *aa....aa*. (client definition = *bb....bb*) (M)

The value specified for the `adb_sql_exe_max_rthd_num` operand in the client definition is greater than the maximum number of processing real threads that can be used during execution of the SQL statement. As a result, the value specified for the client definition will be invalidated and changed to *aa....aa*.

aa....aa:

Value of the `adb_sql_exe_max_rthd_num` operand in the client definition after change

bb....bb:

Value specified for the `adb_sql_exe_max_rthd_num` operand in the client definition

S:

Continues processing.

Action:

Review the value specified for the `adb_sql_exe_max_rthd_num` operand in the client definition to be equal to or smaller than the maximum number of processing real threads that can be used by a HADB client.

For details about the `adb_sql_exe_max_rthd_num` operand in the client definition, see the topic *Operands related to performance* in *Contents of operands in the client definition* in *Designing Client Definitions* in the *HADB Application Development Guide*.

If the client-group facility is used, the maximum number of processing real threads that can be used by a HADB client varies depending on whether the HADB client belongs to a group. For details, see *Points to consider when specifying the number of processing real threads for a group* in the *HADB Setup and Operation Guide*.

KFAA41106-W

The value specified by the *aa....aa* method of the JDBC driver was out of range. The value will be changed to a system-specified value. (before the change = *bb....bb*, after the change = *cc....cc*) (M)

The value *bb....bb* specified for the *aa....aa* method of the JDBC driver is invalidated, and then the value *cc....cc* is applied.

aa....aa:

Executed method name

bb....bb:

Value specified for the *aa....aa* method

cc....cc:

Applied value

S:

Continues processing.

Action:

A value outside the specifiable range is specified for the *aa....aa* method. Correct the specified value of the *aa....aa* method. For details about the values that can be specified for the *aa....aa* method, see the description of the following operands in *Operands related to performance* in the *HADB Application Development Guide*:

- `adb_sql_exe_max_rthd_num`
- `adb_sql_exe_hashtbl_area_size`
- `adb_sql_exe_hashflt_area_size`

KFAA41200-E

This buffer is undefined. (DB area = *aa....aa*, page type = *b*) (M)

This global buffer has not been defined.

aa....aa:

Affected DB area name

b: Page type

- *d*: Directory page
- *w*: Work table page
- *t*: Data page
- *h*: Upper page
- *f*: Leaf page
- *r*: Row ID directory page
- *s*: Row ID list page
- *a*: Range index page
- *i*: String control page
- *p*: Position control page

S:

Invalidates this transaction.

Action:

- If the affected DB area *aa....aa* is not specified in the server definition's `adbbuff` operand
Allocate a new global buffer to the affected DB area *aa....aa*. When you do so, specify a value of 1 or more in the `-p` option.
- If the affected DB area *aa....aa* is specified in the server definition's `adbbuff` operand
Take corrective action as described in the following table:

Page type displayed for b	Corrective action	
	-a option specified	-a option omitted
The page type displayed is a.	Specify 1 or a greater value in the -a option of the adbbuff operand.	Specify 1 or a greater value in the -p option of the adbbuff operand.
The page type displayed is not a.	Specify 1 or a greater value in the -p option of the adbbuff operand.	

KFAA41201-E

This buffer is insufficient. (DB area = aa....aa, page type = b, buffer type = cc....cc) (M)

Processing cannot continue because there are not enough global buffer sectors.

aa....aa:

Affected DB area name

b: Page type

- d: Directory page
- w: Work table page
- t: Data page
- h: Upper page
- f: Leaf page
- r: Row ID directory page
- s: Row ID list page
- a: Range index page

cc....cc: Buffer type

- COMMAND: Buffer for commands
- GLOBAL WORK: Global buffer for global work tables
- LOCAL WORK: Buffer for local work tables
- GLOBAL: Global buffer

S:

Invalidate this transaction.

Action:

The corrective action to take differs depending on whether the server definition's adbbuff operand is defined.

- If no adbbuff operand that includes the DB area name output in *aa....aa* is defined

Define the adbbuff operand. If the -p option specification was omitted, specify a value in the -p option that is larger than the default value.

- If an adbbuff operand that includes the DB area name output in *aa....aa* is defined

Take corrective action as described in the following table:

Type of buffer output in cc....cc	Corrective action		
COMMAND	If this message was output while the adbimport command was executing	Increase the value specified in the import option adb_import_buff_blk_num.	
	If this message was output while the adbidxrebuild command was executing	Increase the value specified in the index rebuild option adb_idxrebuild_buff_blk_num.	
	If this message was output while the adbmergechunk command was executing	Increase the value specified in the merge chunk option adb_mergechunk_buff_blk_num.	
GLOBAL WORK	Increase the value in the server definition's adb_dbbuff_wrktbl_glb_blk_num operand.		
LOCAL WORK	Increase the value specified in the client definition's adb_dbbuff_wrktbl_clt_blk_num operand. If this message was output while the adbexport command was executing, increase the value specified in the export option adb_export_wrktbl_blk_num.		
GLOBAL	The page type displayed for b is a.	-a option specified.	Increase the value specified in the -a option of the dbbuff operand.
		-a option omitted.	Increase the value specified in the -p option of the dbbuff operand.
	The page type displayed for b is not a.	Increase the value specified in the -p option of the dbbuff operand.	

KFAA41202-E

Processing cannot continue because the global buffer is busy. (DB area = aa....aa, buffer = bb....bb) (M)

Processing cannot continue because the load on the global buffer bb....bb allocated to the DB area aa....aa is too high.

aa....aa:

DB area name

bb....bb:

Global buffer name

S:

Invalidates this transaction.

Action:

Take one of the following corrective actions:

- Re-execute the processing after any application programs that are causing a high load on the global buffer bb....bb have terminated.
- Cancel any application programs causing a high load on the global buffer bb....bb, and then re-execute the processing.

One of the application programs executing an SQL statement on a table or index stored in the DB area *aa....aa* might be causing a high load on the global buffer *bb....bb*.

KFAA41205-E

The operation on the file or directory "*aa....aa*" failed. (operation = *bb....bb*, errno = *cc....cc*) (M)

The operation on the file or directory indicated by *aa....aa* failed.

aa....aa:

File name or directory name

An asterisk (*) or asterisks (****) might be displayed.

bb....bb:

Name of the system call in which the error occurred

cc....cc:

Error number

S:

Terminates this transaction.

Action:

Take one of the following corrective actions:

- If a file name, directory name, or three asterisks (****) are displayed in place of *aa....aa*:

Check in the OS documentation for the system call name displayed for *bb....bb* and the error number displayed in place of *cc....cc*, and then eliminate the cause of the error. If an error occurred in a symbolic link file, check the link target files in addition to that file.

If this message is output during startup of an HADB server in a multi-node configuration, check whether an error occurred during open processing of the DB area file.

- The file name displayed for *aa....aa* is the symbolic link name for the DB area file.
- The system call name displayed for *bb....bb* is open.
- The error number displayed for *cc....cc* is ENOENT.

If all the above conditions exist, an error occurred during open processing of the DB area file. In this case, the DB directory of the node that output this message is an invalid status. Re-create the DB directory by using the adbinit command, and then normally start the HADB server in the multi-node configuration. For details, see *Adding, deleting, or expanding data DB areas (when the multi-node function is being used)* in the *HADB Setup and Operation Guide*.

If this message is output when you use the table function derived table or access an archivable multi-chunk table, make sure that the file or directory displayed for *aa....aa* exists.

If the error number displayed for *cc....cc* is EIO, a file I/O error occurred. If a file name has been output, make sure that you can access the file system or disk where the file is stored.

If this message is output during command execution, see *Command-related problems* in the *HADB Setup and Operation Guide*.

If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an adbinfoget command to collect troubleshooting information, and then contact the customer support center.

- If an asterisk (*) is displayed in place of *aa....aa*:

- If this message was issued while the `adbimport` command was executing
Specify a smaller value in the import option `adb_import_buff_blk_num`.
- If this message was issued while the `adbidxrebuild` command was executing
Specify a smaller value in the index rebuild option `adb_idxrebuild_buff_blk_num`.
- If this message was issued while the `adbexport` command was executing
Specify a smaller value in the export option `adb_export_wrktbl_blk_num`.
- If this message was issued while the `adbmergechunk` command was executing
Specify a smaller value in the merge chunk option `adb_mergechunk_buff_blk_num`.
- If this message was issued while the `adbunarchivechunk` command was executing
Specify a smaller value in the unarchived chunk option `adb_unarcv_buff_blk_num`.
- If this message was issued while an SQL statement was executing
Specify a smaller value in the client definition's `adb_dbbuff_wrktbl_clt_blk_num` operand.

KFAA41206-I

An operation on file "aa....aa" failed. (operation = bb....bb, errno = cc....cc) (M)

An operation on the file *aa....aa* failed.

aa....aa:

File name

bb....bb:

Name of system call in which the error occurred

cc....cc:

Error number

S:

Continues processing.

Action:

If an error message is output immediately after this message, check in the OS documentation for the system call name displayed for *bb....bb* and the error number displayed for *cc....cc*, and then eliminate the cause of the error.

If the error number output for *cc....cc* is EIO, a file I/O error occurred. If a file name has been output for *aa....aa*, check whether you can access the file system or disk where the file is stored. If this error occurs repeatedly, a hardware failure might have occurred. Check the hardware status.

If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA41207-E

An operation on file "aa....aa" failed. (operation = bb....bb, reason = "cc....cc") (M)

An operation on the file *aa....aa* failed.

aa....aa:

File name

bb....bb:

Failed operation

- `aio_read`: Asynchronous file read
- `aio_write`: Asynchronous file write

cc....cc:

Cause of the error

- `too short`

Asynchronous input/output processing of data that was shorter than the requested read size or write size was performed.

S:

Terminates this transaction.

Action:

Re-execute the transaction. If this error occurs repeatedly, a hardware failure might have occurred. Check the hardware status.

If you cannot determine the corrective action to take, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA41208-W

An operation on file "*aa....aa*" failed. (operation = *bb....bb*, reason = "*cc....cc*") (M)

An operation on the file *aa....aa* failed.

aa....aa:

File name

bb....bb:

Failed operation

- `aio_read`: Asynchronous file read
- `aio_write`: Asynchronous file write

cc....cc:

Cause of the error

- `too short`

Asynchronous input/output processing of data that was shorter than the requested read size or write size was performed.

S:

Continues processing.

Action:

If this error occurs repeatedly, a hardware failure might have occurred. Check the hardware status.

KFAA41210-E

The number of user logfiles exceeded the maximum. (M)

The number of user log files has reached its upper limit.

S:

Invalidates this transaction.

Action:

See the description of the expression that calculates the number of user log files in *Determining the number of user log files* in the *HADB Setup and Operation Guide*. Then, take one of the following actions so that the conditions in the expression are satisfied:

- Increase the value of the `adb_log_usrfile_num` operand in the server definition (increase the number of user log files).
- Decrease the number of real threads that perform update processing.

To decrease the number of real threads that perform update processing, decrease the values of the options in the expression that calculates the number of user log files.

If this message was output while the HADB server was being upgraded, take the appropriate action by referencing *Steps to take when the KFAA41210-E message is output* in *Steps to take when version upgrading fails* in the *HADB Setup and Operation Guide*.

KFAA41212-I

The size of the user log file was reduced. (file name = *aa....aa*, size = *bb....bb* MB) (M)

The size of the user log file was reduced.

aa....aa:

Name of the user log file

bb....bb:

Size before the file was reduced (rounded up in megabytes)

S:

Continues processing.

Action:

If this message is output during normal operation, we recommend that you increase the value specified for the `adb_log_usrfile_size` operand (*initial-size-of-user-log-file* or *trigger-for-reducing-size-of-user-log-file*) in the server definition. For details, see *Working with the system log files* in the *HADB Setup and Operation Guide*.

KFAA41213-W

The value of the second argument of the server definition `adb_log_usrfile_size` must be greater than or equal to the first argument of `adb_log_usrfile_size`. The value of the second argument of `adb_log_usrfile_size` will be changed to *cc....cc*. (`adb_log_usrfile_size = aa....aa, bb....bb`) (M)

The following values specified for the `adb_log_usrfile_size` operand in the server definition are invalid. Therefore, the default value (initial size of user log files x 2) is assumed as the trigger for reducing the size of the user log file.

- *initial-size-of-user-log-file*
- *trigger-for-reducing-size-of-user-log-file*

aa....aa: Initial size of user log files specified for the `adb_log_usrfile_size` operand

If you are using the multi-node function, the largest of the initial sizes of user log files specified on the individual nodes is displayed.

bb....bb: Trigger for reducing the size of the user log file specified for the `adb_log_usrfile_size` operand

If you are using the multi-node function, the largest of the triggers for reducing the size of the user log file specified on the individual nodes is displayed.

cc....cc: Value assumed for the trigger for reducing the size of the user log file

The value twice the value of *aa....aa* (initial size of user log files) is displayed.

S:

Continues processing.

Action:

Specify the `adb_log_usrfile_size` operand so that the following condition is satisfied:

trigger-for-reducing-size-of-user-log-file > *initial-size-of-user-log-file*

KFAA41220-W

Processing to start input/output control for the files used by the updated-row columnizing facility failed. (M)

Processing to start input/output control for the files used by the updated-row columnizing facility failed.

S:

Continues processing.

Action:

No matter whether the updated-row columnizing facility is enabled, processing to start input/output control for the files used by the updated-row columnizing facility is performed when the HADB server starts. Therefore, if this message is output when the updated-row columnizing facility is not enabled, check the message indicating the cause of the error that was output prior to this message, and then eliminate the cause of the error.

If this message is output when the updated-row columnizing facility is enabled, perform the following procedure to take action:

1. Execute the `adbcolumnize --stop` command to disable the updated-row columnizing facility.
2. A message indicating the cause of the error was output prior to this message. Eliminate the cause of the error according to the corrective action shown in that message.
3. Execute the `adbcolumnize --start` command to enable the updated-row columnizing facility.

KFAA41221-I

A system call error occurred. (func = "aa....aa", errno = bb....bb, file = "cc....cc") (M)

An error has occurred during execution of system call *aa....aa*.

aa....aa:

Name of system call in which the error occurred

bb....bb:

Error number

cc....cc:

File identifier

S:

Continues processing.

Action:

Take the following actions if necessary.

Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the displayed system call name and error number, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

Note that if *aa....aa* is a system call relating to file operations, *cc....cc* indicates the file identifier in one of the following formats. If the system call does not relate to file operations, nothing is indicated by *cc....cc*.

- File name only
- Absolute path
- Relative path from the DB directory

KFAA41222-I

There is not enough free disk space to create the files used by the updated-row columnizing facility. (L+M)

There is not enough free disk space to create files to be used by the updated-row columnizing facility.

S:

Continues processing.

Action:

Increase free space in the file system to which the `spool` directory under the server directory belongs. To create the files to be used by the updated-row columnizing facility, at least 130 MB of free space is required.

KFAA41223-I

The file "*aa....aa*" must be a regular file, but it is not a regular file. (M)

File *aa....aa* must be a regular file, but file *aa....aa* is not.

aa....aa:

File identifier

S:

Continues processing.

Action:

A regular file having the same name as *aa....aa* cannot be created. Therefore, rename the file *aa....aa* so that a regular file named *aa....aa* can be created. *aa....aa* indicates the file identifier in one of the following formats:

- File name only
- Absolute path
- Relative path from the DB directory

2.3 Messages from KFAA50000 to KFAA59999

KFAA50000-E

An analysis file cannot be opened. (analysis file = *aa....aa*, error number = *bb....bb*) (M)

An analysis file used to analyze definition information (a file that the system uses) cannot be opened.

aa....aa:

Analysis file name

bb....bb:

Error number

An error number of 0 indicates that the path name description is invalid.

S:

Terminates processing.

Action:

Check in the OS documentation for the error number that is displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the error number that is displayed, execute an `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA50001-E

A value specified for a variable is invalid. (file = *aa....aa*, line = *bb....bb*, operand = *cc....cc*) (M)

An operand stated in the definition file is invalid.

aa....aa:

Definition file name

bb....bb:

Line that generated the error

cc....cc:

Operand name

S:

Terminates processing.

Action:

Check the format in which the operand is stated, and correct the operand if it is invalid. Then, retry the operation.

KFAA50002-E

A command name is invalid. (file = *aa....aa*, line = *bb....bb*, command = *cc....cc*) (M)

An operand of the command format stated in the definition file is invalid.

aa....aa:

Definition file name

bb....bb:

Line that generated the error

cc....cc:

Operand name

S:

Terminates processing.

Action:

Check the format in which the operand is stated, and correct any options that are invalid. Then, retry the operation.

KFAA50003-E

An option name is invalid. (file = *aa....aa*, line = *bb....bb*, option = *ccc*) (M)

The option name of an operand described in the definition file is invalid.

aa....aa:

Definition file name

bb....bb:

Line that generated the error

ccc:

Option name

S:

Terminates processing.

Action:

Check the format in which the option name of the operand is stated, and correct the option if it is invalid. Then, retry the operation.

KFAA50004-E

An option is specified more than once. (file = *aa....aa*, line = *bb....bb*, option = *ccc*) (M)

An option is specified more than once in a command-format operand stated in a definition file.

aa....aa:

Definition file name

bb....bb:

Line that generated the error

ccc:

Option name

S:

Terminates processing.

Action:

Check the format in which the operand is stated, and correct the option if it is specified more than once. Then, retry the operation.

KFAA50005-E

An argument of an option is invalid. (file = *aa....aa*, line = *bb....bb*, option = *ccc*) (M)

The value specified in an option of an operand stated in the definition file is invalid.

aa....aa:

Definition file name

bb....bb:

Line that generated the error

ccc:

Option name

S:

Terminates processing.

Action:

Check the format in which the option of the operand is stated, and correct the value specified if it is invalid. This message might be output, for example, if a character string is specified in the argument of an option for which only numeric values can be specified.

KFAA50006-E

A definition file cannot be analyzed because memory is insufficient. (required memory = *aa....aa*) (M)

A memory shortage has occurred in analysis processing of a definition file.

aa....aa:

Required memory when error occurred (bytes)

S:

Terminates processing.

Action:

Delete any unnecessary processes, and then retry the operation. If there are no unnecessary processes, memory is insufficient. Take corrective action to add memory, and then retry the operation.

KFAA50007-E

An I/O error occurred. (file = *aa....aa*) (M)

An error occurred during reading of a definition file.

aa....aa:

Definition file name

S:

Terminates processing.

Action:

Determine whether there are any errors in the definition file.

If the definition file name is `server.def`, the server definition might have been corrupted. Delete the server definition and create a new one. Then, retry the operation.

KFAA50008-E

A definition file cannot be opened. (definition file = *aa....aa*, error number = *bb....bb*) (M)

A definition file could not be opened.

aa....aa:

File name

bb....bb: Error number

An error number of 0 indicates that the path name description is invalid.

S:

Terminates processing.

Action:

Check in the OS documentation for the error number that is displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the error number that is displayed, execute an `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA50009-E

The length of a record exceeds the maximum. (file = *aa....aa*, line = *bb....bb*) (M)

A line stated in a definition file exceeds 4,000 bytes.

aa....aa:

File name

bb....bb:

Line that generated the error

S:

Terminates processing.

Action:

Check the length of the line that generated the error in the definition file.

The maximum number of characters that can be stated in a line of a definition file is 4,000 bytes worth. If a line contains more than 4,000 bytes worth of characters, break it into multiple lines. To continue a line, enter the continuation character \ at the end of the line, and follow it immediately with a linefeed. For details about continuing lines, see *Syntax rules for the server definition* in the *HADB Setup and Operation Guide*.

Note that, for multi-byte characters, lines that have a length no greater than 4,000 bytes in a text editor might be recognized as having more than 4,000 bytes, since a single character might be converted into 2 or more bytes.

KFAA50010-E

A specified variable name is invalid. (file = aa....aa, line = bb....bb) (M)

The specified `set` format operand name cannot be analyzed because it contains one of the following errors:

- There is no description of a `set` format operand name.
- The specified `set` format operand name contains an error. Another possibility is that an unsupported `set` format operand name has been specified.

aa....aa:

Definition file name

bb....bb:

Line that generated the error

S:

Terminates processing.

Action:

Specify a valid `set` format operand name. Alternatively, carefully review the relationship between the definition file and the definition contents.

KFAA50011-E

The format of *aa....aa* is invalid. (file = *bb....bb*, line = *cc....cc*) (M)

The format in which a definition file is stated contains an error.

aa....aa:

Name of definition that generated the error

bb....bb:

Definition file name

cc....cc:

Line that generated the error

S:

Terminates processing.

Action:

There is no equal sign (=) between the affected definition name and the specification value, so add one.

KFAA50012-E

A required definition is not specified. (file = *aa....aa*, operand = *bb....bb*) (M)

A required operand is not specified in the definition file.

aa....aa:

Definition file name

bb....bb:

Operand name

S:

Terminates processing.

Action:

Check whether a required `adb_db_path` operand has been specified or not. If it has not, or it has been specified incorrectly, specify it again.

KFAA50013-E

A required option is not specified. (file = *aa....aa*, line = *bb....bb*, command = *cc....cc*, option = *ddd*) (M)

An option that cannot be omitted was not specified in a definition file.

aa....aa:

Definition file name

bb....bb:

Line that generated the error

cc....cc:

Operand name

ddd:

Option name

S:

Terminates processing.

Action:

Check whether the required option was specified or not.

KFAA50014-W

A definition is repeated. The first definition will be used and processing will continue. (file = *aa....aa*, line = *bb....bb*, operand = *cc....cc*) (M)

An operand was specified more than once in a definition file. The first operand value specified takes effect.

aa....aa:

Definition file name

bb....bb:

Number of lines that specify the definition after the first instance

cc....cc:

Name of operand specified more than once

S:

Continues processing.

Action:

Check the first operand value specified. If there is no problem with the specified value, delete the duplicate operands. If there is a problem with the specified value, leave only the desired operand and delete all duplicate operands. Then, retry the operation.

KFAA50015-E

The specified DB directory does not exist. (M)

The DB directory specified in the server definition does not exist.

S:

Terminates processing.

Action:

Check the path name of the DB directory specified in the server definition's `adb_db_path` operand. If an error is found, correct it. Then, execute the `adbstart` command to restart the HADB server.

KFAA50016-E

The DB directory contents are invalid. (M)

The DB directory contents are invalid.

S:

Terminates processing. Alternatively, the system abnormally terminates the HADB server.

Action:

Check whether the correct path name of the DB directory has been specified in the server definition's `adb_db_path` operand. Then, execute the `adbstart` command to restart the HADB server.

If this message is output even though the correct DB directory path name is specified, take one of the following corrective actions:

- Restore the database from the backup.
- Execute the `adbinit` command to initialize the DB directory.

KFAA50017-E

The specified DB directory path is invalid. (information = *aa....aa*) (M)

The DB directory path name is invalid.

aa....aa: Cause of the error

- INVALID PATH FORMAT: The format in which the path name is specified is invalid.
- INVALID LETTER: An invalid character has been specified.

S:

Terminates processing.

Action:

Check the path name of the DB directory specified in the server definition's `adb_db_path` operand. If the specification format is incorrect or disallowed characters were used, correct the errors. Then, execute the `adbstart` command to restart the HADB server.

If INVALID PATH FORMAT was output as the cause of the error, check for the following mistakes:

- The first character is not a forward slash (/).
- A character string of length 0 was specified.
- There is a space at the start or end of the path.

KFAA50018-E

An error occurred while accessing to the message catalog file. (information = *aa....aa*) (E)

An error occurred while a message catalog file was being accessed.

aa....aa: Cause of the error

- FAILED TO GET THE PATH NAME OF THE CATALOG FILE
An attempt to get the name of a message catalog file has failed.
- System call error, system call = "bb....bb", errno = cc....cc
A system call error has occurred.
bb....bb: Name of system call in which the error occurred
cc....cc: Error number

S:

Terminates processing.

Action:

Eliminate the error based on the cause of the error *aa....aa* that is output in the message.

- When *aa....aa* is FAILED TO GET THE PATH NAME OF THE CATALOG FILE
Carefully review the values specified for environment variables `ADBDIR` and `ADBCLTDIR`. Also carefully review the storage directory of the message catalog file#.
#
 - HADB server: `$ADBDIR/lib`
 - HADB client for Windows: `%ADBCLTDIR%\lib`

- HADB client for Linux: \$ADBCLTDIR/lib
- When *aa....aa* is System call error, system call = "bb....bb", errno = cc....cc
Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an adbinfoget command to collect troubleshooting information, and then contact the customer support center.

After taking corrective action, execute the adbstart command to restart the HADB server.

KFAA50019-E

An error occurred while accessing to the message log file. (information = *aa....aa*) (E)

An error has occurred while accessing a message log file.

aa....aa: Cause of the error

- FAILED TO GET THE PATH NAME OF THE MESSAGE LOG FILE
An attempt to get the name of a server message log file failed.
- FAILED TO GET THE PATH NAME OF THE CLIENT MESSAGE LOG FILE
An attempt to get the name of a client message log file failed.
- System call error, system call = "bb....bb", errno = cc....cc
A system call error has occurred.
bb....bb: Name of system call in which the error occurred
cc....cc: Error number

S:

Terminates processing.

Action:

Eliminate the error based on the cause of the error *aa....aa* that is output in the message.

- If *aa....aa* is FAILED TO GET THE PATH NAME OF THE MESSAGE LOG FILE
Carefully review both the server message log file's storage directory (\$ADBDIR/spool/) and the value specified in environment variable ADBDIR.
- If *aa....aa* is FAILED TO GET THE PATH NAME OF THE CLIENT MESSAGE LOG FILE
Carefully review both the client message log file's storage directory[#] and the value specified in environment variable ADBCCLTDIR.
#
 - HADB client for Windows: %ADBCCLTDIR%\spool
 - HADB client for Linux: \$ADBCCLTDIR/spool
- If *aa....aa* is System call error, system call = "bb....bb", errno = cc....cc
Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an adbinfoget command to collect troubleshooting information, and then contact the customer support center.

After taking corrective action, execute the adbstart command to restart the HADB server.

KFAA50020-E

The character encodings used for the specified database and for the database used by HADB are different. (database encoding = "aa....aa", HADB encoding = "bb....bb") (M)

The character encoding used by the database does not match the character encoding that the HADB server uses in its database.

aa....aa: Character encoding used by the database

This is the character encoding that was specified in the environment variable ADBLANG when the `adbinit` command was executed.

bb....bb: Character encoding that the HADB server uses in its database

This is the character encoding that is specified in the environment variable ADBLANG.

S:

Terminates processing.

Action:

Check whether the path name of the DB directory specified in the server definition's `adb_db_path` operand and the character encoding specified in environment variable ADBLANG are correct.

Specify the correct DB directory path name and the correct character encoding in environment variable ADBLANG, and then re-start the HADB server.

Also, if `unsupported` is returned in *aa....aa*, the databases might be corrupted. Initialize the DB directory with an `adbinit` command. If a backup is necessary, make a copy with the OS's `cp` command or the like prior to initialization.

KFAA50021-E

The HADB system cannot terminate because it is connected to an application. (M)

The HADB server cannot terminate because there is a connected application program or executing command.

S:

Terminates processing.

Action:

Take one of the following actions:

- Wait until the connected application program disconnects from the HADB server and the executing command terminates, and then re-execute the `adbstop` command. Alternatively, execute the `adbstop --wait connection` command.
- If you want to wait until the current transaction is completed and the executing command terminates before you terminate the HADB server, execute the `adbstop --wait transaction` command.
- If you can cancel the current transaction and executing command, execute the `adbstop --cancel` command.

For details about the `adbstop` command options, see *Terminating the HADB server* in *Starting and terminating the HADB server and its operation modes* in *Scheduled Operations* in the *HADB Setup and Operation Guide*. Alternatively, see *adbstop (Terminate the HADB Server)* in the manual *HADB Command Reference*.

KFAA50022-E

An error occurred while accessing the status file. (information = *aa....aa*) (M)

An error occurred while a status file was being accessed.

aa....aa: Cause of the error

- System call error, system call = "bb....bb", errno = cc....cc

A system call error has occurred.

bb....bb: Name of system call in which the error occurred

cc....cc: Error number

S:

Terminates processing.

Action:

Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an adbinfoget command to collect troubleshooting information, and then contact the customer support center.

KFAA50023-E

The HADB server terminated abnormally because an error occurred during the start or end processing for a transaction. (M)

The HADB server terminated abnormally because an error occurred during processing to start or end a transaction.

S:

Terminates the HADB server abnormally.

Action:

Eliminate the cause of the error according to the corrective action for the message that was output immediately prior to this message. Then, start the HADB server.

KFAA50024-E

The HADB system cannot be restarted because the following server definitions are different from the last time the system was started. (M)

The HADB system cannot be restarted because the server definitions are different from the last time the system was started.

S:

Terminates processing.

Action:

Message KFAA50025-E is output after this message. Take the corrective action indicated for the KFAA50025-E message.

KFAA50025-E

A value specified in the server definition *aa....aa* the last time the HADB system was started was *bb....bb*. The value is now *cc....cc*. (M)

The HADB system cannot be restarted because a server definition is different from the last time the system was started.

aa....aa: Server definition operand name that is different from the value specified at the last startup

- `adb_sys_max_users` operand
- `adb_sys_rthd_num` operand
- `adb_sys_memory_limit` operand
- `adb_sys_rthd_area_max` operand
- `adb_sys_proc_area_max` operand

bb....bb:

Value specified at last startup

If no value has been specified, "unspecified" is displayed.

cc....cc:

Value specified at this startup

If no value has been specified, "unspecified" is displayed.

S:

Terminates processing.

Action:

Match the specified value of the server definition operand name *aa....aa* (which is different from the value specified at last startup) to the specified value *bb....bb* at last startup, and then re-execute the `adbstart` command.

KFAA50026-I

The following values were specified for the *aa....aa*. (M)

A value is specified for *aa....aa*.

A message indicating the specified value is output after this message.

aa....aa:

- `server definitions`: Server definition
- `client definitions`: Client definition
- `adbinit control-file`: Initialization option file
- `adbmodarea control-file`: DB area addition and modification option file

- adbimport options: Import option
- adbexport options: Export option
- adbidxrebuild options: Index rebuild option
- adbgetcst options: Cost-information collection-options
- adbmergechunk options: Merge chunk option
- adbmodbuff options: Buffer-modifying option
- adbimport column-structure-information-file: Column structure information file
- adbarchivechunk options: Archived chunk option
- adbunarchivechunk options: Unarchived chunk option
- client-managing definitions: Client-managing definition

S:

Continues processing.

KFAA50027-I

aa....aa bb....bb (M)

bb....bb was specified for the *aa....aa* operand in the server definition.

aa....aa:

Operand name in the server definition

bb....bb: Value specified for the operand

- For operands in the set format

An equal sign (=) is displayed at the beginning.

If the format of the value specified for the operand is an integer suffixed by the unit, the value is output after conversion to the numeric value that is assumed when the unit is omitted. In this case, no unit is output.

(Example) When `adb_sys_memory_limit = 192GB` (196,608 MB) is specified in the server definition

KFAA50027-I `adb_sys_memory_limit = 196608`

- For operands in the command format

All option names that were specified in the *aa....aa* operand and the specified values of their arguments are displayed in the format *option-nameΔvalue-specified-for-option-argument*. (The Δ symbol indicates a space.)

S:

Continues processing.

KFAA50028-E

An error occurred while accessing the shared memory ID file. (information = *aa....aa*) (M)

An error occurred while a shared memory ID storage file (\$ADBDIR/spool/.adbshmid) was being accessed.

aa....aa: Cause of the error

- System call error, system call = "bb....bb", errno = cc....cc
A system call error has occurred.
bb....bb: Name of system call in which the error occurred
cc....cc: Error number
- I/O retry count over flow
The shared memory ID storage file is busy.

S:

Terminates processing.

Action:

Eliminate the error based on the cause of the error *aa....aa* that is output in the message.

- If *aa....aa* is System call error, system call = "bb....bb", errno = cc....cc
Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an adbinfoget command to collect troubleshooting information, and then contact the customer support center.
- If *aa....aa* is I/O retry count over flow
Wait a while, and then re-execute the command.

KFAA50029-E

An error occurred while accessing the shared memory dump file. (information = *aa....aa*) (M)

An error occurred while a shared memory dump file was being accessed.

aa....aa: Cause of the error

- System call error, system call = "bb....bb", errno = cc....cc
A system call error has occurred.
bb....bb: Name of system call in which the error occurred
cc....cc: Error number
- I/O retry count over flow
The shared memory dump file is busy.

S:

Terminates processing.

Action:

Eliminate the error based on the cause of the error *aa....aa* that is output in the message.

- If *aa....aa* is System call error, system call = "bb....bb", errno = cc....cc
Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an adbinfoget command to collect troubleshooting information, and then contact the customer support center.
- If *aa....aa* is I/O retry count over flow

Wait a while, and then re-execute the command.

KFAA50030-E

An error occurred while accessing the DB directory. (information = *aa....aa*) (M)

An error occurred while a DB directory was being accessed.

aa....aa: Cause of the error

- System call error, system call = "bb....bb", errno = cc....cc

A system call error has occurred.

bb....bb: Name of system call in which the error occurred

cc....cc: Error number

S:

Terminates processing.

Action:

Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA50032-E

The HADB server cannot be started because the specified value of the following server definition, client-managing definition or environment variable is different from other specified node values. (M)

The HADB server cannot be started because the value specified in the server definition, client-managing definition, or environment variable is different from the values specified for other nodes.

S:

Terminates processing.

Action:

After this message is output, message KFAA50033-E will be output. Take the corrective action indicated for message KFAA50033-E.

KFAA50033-E

The HADB server cannot be started because the specified value of the *aa....aa(bb....bb)* is different from other specified node values. (local node = *cc....cc*, other node = *dd....dd*) (M)

The HADB server could not start because the specified value of *bb....bb* differs from the value specified on another node.

aa....aa: Location where the value is specified

- server definition: Server definition
- client-managing definition: Client-managing definition
- environment variable: Environment variable

bb....bb:

The name of the server definition operand, client-managing definition operand, or environment variable in which the value that was different from the value specified on the other node was specified

cc....cc:

Value specified on the local node

If no value has been specified, "unspecified" is displayed.

If *bb....bb* is `adbclientmang`, an asterisk (*) is displayed.

dd....dd:

Value specified on the other node

If no value has been specified, "unspecified" is displayed.

If *bb....bb* is `adbclientmang`, an asterisk (*) is displayed.

S:

Terminates processing.

Action:

Make the specified value of *bb....bb* the same for all nodes.

KFAA50034-E

Startup wait processing for other nodes timed out. (timeout process = *aa....aa*) (M)

The wait for startup processing to complete on other nodes timed out.

aa....aa: Timed-out process

- Awaiting the communication establishment with other nodes
Waiting for communication to be established between this server and the HADB servers on other nodes
- Awaiting the monbegin command of the HA monitor execute
Waiting for HA Monitor's monbegin command to execute
- Awaiting the HADB server start completion of other nodes
Waiting for startup of the HADB servers on other nodes to complete

S:

Terminates processing.

Action:

Increase the server definition's `adb_sys_node_start_wait_time` operand value.

If a time-out occurs even after the operand value is increased, check the HADB server statuses and HA Monitor statuses of other nodes, and remove the cause of the time-out of the processing described in the message output. After removing the cause, execute the operation again.

KFAA50035-E

A value specified for server definition "adb_sys_multi_node_info" is invalid. (reason = aa....aa) (M)

A value specified for the server definition's `adb_sys_multi_node_info` operand is invalid.

aa....aa:

Cause of the error

S:

Terminates processing.

Action:

Take one of the following corrective actions depending on cause of the error that was output.

No.	aa....aa display	Cause of the error	Corrective action to take
1	The same IP address is specified multiple times	The same IP address is specified multiple times.	Correct specifications of duplicate IP addresses under the host name specified in the server definition's <code>adb_sys_multi_node_info</code> operand.
2	Information for the local node is not specified	Information for the local node is not specified.	Specify the host name and port number for the local node in the server definition's <code>adb_sys_multi_node_info</code> operand.
3	The value specified for the local node port number in server definition <code>adb_sys_multi_node_info</code> and the value specified for server definition <code>adb_rpc_port</code> are the same value	The same values are specified for the local node port number in the server definition's <code>adb_sys_multi_node_info</code> operand and the server definition's <code>adb_rpc_port</code> operand.	Change either the value specified in the server definition's <code>adb_rpc_port</code> operand or the local node port number specified in the server definition's <code>adb_sys_multi_node_info</code> operand.
4	Only one host name is specified	Only one host name is specified.	Specify at least two host names.

KFAA50036-E

The *aa....aa* command cannot be executed on *bb....bb*. (M)

The *aa....aa* command cannot be executed on *bb....bb*.

aa....aa:

Name of the command that cannot be executed

bb....bb: Execution node

- `slave nodes`: Slave node

S:

Terminates processing.

Action:

Execute command *aa....aa* on the master node.

KFAA50037-E

An error occurred while accessing the semaphore ID file. (information = *aa....aa*) (M)

An error occurred while accessing the semaphore set ID storage file.

aa....aa: Cause of the error

- System call error, system call = "bb....bb", errno = cc....cc
A system call error has occurred.
bb....bb: Name of system call in which the error occurred
cc....cc: Error number
- I/O retry count over flow
The semaphore set ID storage file is busy.

S:

Terminates processing.

Action:

Eliminate the error based on the cause of the error *aa....aa* that is output in the message.

- If *aa....aa* is System call error, system call = "bb....bb", errno = cc....cc
Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an adbinfoget command to collect troubleshooting information, and then contact the customer support center.
- If *aa....aa* is I/O retry count over flow
Wait a while, and then re-execute the command.

KFAA50038-E

The database cannot be upgraded because *aa....aa*. (M)

The database cannot be upgraded for reason *aa....aa*.

aa....aa: Cause of the error

- of an abnormal termination the last time it ended
The HADB server's previous termination mode was abnormal termination or forced termination.
- the adbstart command was never been executed in previous versions
The previous version of HADB server has never been started.
- of using the multiple node facility
The HADB server is using the multi-node function.

S:

Terminates processing.

Action:

See *Steps to take when the KFAA50038-E message is output* in *Steps to take when version upgrading fails* in the *HADB Setup and Operation Guide*.

If *aa....aa* is of using the multiple node facility, see *Notes on version upgrading* in the *HADB Setup and Operation Guide*, and then take action according to the following procedure.

1. Delete the `adb_sys_multi_node_info` operand from the server definition to stop the use of the multi-node function.
2. Start the HADB server and upgrade the database.
3. Wait until the operation in step 2 terminates normally, and then terminate the HADB server.
4. Add the `adb_sys_multi_node_info` operand to the server definition to use the multi-node function. Then start the HADB server in the multi-node configuration.

KFAA50039-E

The HADB server cannot be started because the HADB version is older than the database version. (HADB version = "*aa....aa*", database version = "*bb....bb*") (M)

The HADB server cannot be started because the HADB server's version is earlier than the database version.

aa....aa:

HADB server version

bb....bb:

Database version

S:

Terminates processing.

Action:

Make sure that the HADB server version matches the database version. For details about how to upgrade HADB server, see *Upgrading the HADB server version* in the *HADB Setup and Operation Guide*.

KFAA50040-E

ISO cannot be specified for the sorting order, because the character encoding to be used on the HADB server is not Unicode (UTF-8). (ADBLANG = *aa....aa*, `adb_sql_order_mode` = *bb....bb*) (M)

ISO cannot be specified as the sort order because the character encoding used in the HADB server is not Unicode (UTF-8).

aa....aa: Value of the ADBLANG environment variable

- SJIS: Shift-JIS is specified as the character encoding used by the HADB server.

bb....bb: `adb_sql_order_mode` operand value

- ISO: ISO is specified as the sort order.

S:

Terminates processing.

Action:

Specify BYTE in the `adb_sql_order_mode` operand in the server definition. Then, execute the `adbstart` command to start the HADB server.

Alternatively, change the value of the `ADBLANG` environment variable to Unicode (UTF-8), and then re-create the database using the `adbinit` command.

KFAA50041-E

aa....aa during the termination standby processing. (M)

aa....aa occurred during termination standby processing.

aa....aa: Cause of the error

- A timeout occurred: A timeout occurred.
- A cancel was detected: A cancellation was detected.

S:

Terminates processing.

Action:

- If the cause of the error is A timeout occurred

If this message was output while the `adbstop --wait connection` command was executing, wait until the connected application program disconnects from the HADB server and the executing command terminates, and then re-execute the `adbstop --wait connection` command. Alternatively, increase the timeout value specified in the `-t` option, and then re-execute the `adbstop --wait connection` command.

If this message was output while the `adbstop --wait transaction` command was executing, wait until all transaction processing and command execution finishes, and then re-execute the `adbstop --wait transaction` command.

Alternatively, increase the timeout value specified in the `-t` option, and then re-execute the `adbstop --wait transaction` command.

- If the cause of the error is A cancel was detected

Terminate the HADB server by using the `adbstop --cancel` command.

KFAA50042-W

The user does not have permission to access the specified directory in the server definition `adb_core_path`. (M)

The user does not have the privileges to access the directory specified in the server definition's `adb_core_path` operand.

S:

Continues processing.

Action:

Terminate the HADB server normally, and then grant access privileges for the directory specified in the server definition's `adb_core_path` operand to the HADB administrator. Then, execute the `adbstart` command to start the HADB server.

KFAA50043-E

An HADB server could not be returned to a multi-node configuration because *aa....aa*. (M)

The node cannot be returned to the multi-node configuration.

aa....aa:

Cause of the error

bb....bb:

Specified value of the operand in the server definition before change

cc....cc:

Specified value of the operand in the server definition after change

S:

Terminates processing.

Action:

Take corrective action for the cause of the error displayed for *aa....aa*.

Display for <i>aa....aa</i>	Cause of the error	Corrective action to take
one of the HADB servers that composes the multi-node configuration is performing termination processing	One of the HADB servers in the multi-node configuration is performing termination processing.	Wait for completion of termination processing of the HADB server, and then perform the operation to return the node.
the master node is performing switchover processing	Master node switchover processing is in progress.	Wait for completion of master node switchover processing, and then perform the operation to return the node.
another HADB server is being returned to the multi-node configuration	Another node is being returned to the multi-node configuration.	Wait for completion of processing to return to the multi-node configuration, and then perform the operation to return the node.
an application or a command is connected to the HADB server	An application program or command is being connected to the HADB server in the multi-node configuration.	Wait for the application program and command to be disconnected, and then perform the operation to return the node.
a value specified in the server definition <code>adb_sys_rthd_num</code> the last time the HADB server was started was <i>bb....bb</i> . The value is now <i>cc....cc</i>	The value specified for the <code>adb_sys_rthd_num</code> operand in the server definition is changed.	Return the value of the server definition's <code>adb_sys_rthd_num</code> operand to its original value, and then perform the operation to return the node.

KFAA50044-I

The HADB server of the connection-destination node terminated normally. (node number = *aa....aa*, host name = *bb....bb*, IP address = *cc....cc*) (M)

The HADB server at the connection target terminated normally.

aa....aa:

Number of the node where the HADB server terminated normally

bb....bb:

Host name of the node where the HADB server terminated normally (communication between servers)

cc....cc:

IP address of the node where the HADB server terminated normally (communication between servers)

S:

Continues processing.

KFAA50045-E

Execution of the HA Monitor command failed. (M)

Execution of an HA Monitor command failed.

S:

Terminates processing.

Action:

Check the following:

- Is the HA Monitor path specified in the environment variable PATH?
- Is HA Monitor installed?
- Is the path specified in ADBDIR in the environment variable definition for commands (*multinode.env*) correct?

KFAA50046-E

The specified node type does not match the status of HA Monitor on the server. (alias = "aa....aa", HADB node type = *bb....bb*, HA Monitor status = *cc....cc*) (M)

The node type of the HADB server does not match the HA Monitor status.

aa....aa:

Server ID for HA Monitor

bb....bb: Node type of the HADB server

- MASTER: Master node
- SLAVE: Slave node

cc....cc: HA Monitor status

- ONLINE: Active system
- STANDBY: Standby system

S:

Terminates processing.

Action:

Make sure that the `servers` file of HA Monitor is specified correctly and that the shell command processing is specified correctly for the `act` command operand.

They are correct if the relationship between *bb....bb* and *cc....cc* is either of the following:

- *bb....bb* is MASTER and *cc....cc* is ONLINE
- *bb....bb* is SLAVE and *cc....cc* is STANDBY

This message might be output when a node is returned to a multi-node configuration after a failure occurs on the monitoring path of HA Monitor. In this situation, execute the `monlink` command of HA Monitor to recover the monitoring path.

KFAA50047-E

An error occurred on another node or an HADB server on another node was terminated during the HADB system start processing. (node number = *aa....aa*, host name = *bb....bb*, IP address = *cc....cc*) (M)

The HADB server in the multi-node configuration cannot start because one of the following problems occurred during start processing of the HADB server in the multi-node configuration.

- An error occurred on another node.
- An HADB server on another node terminated.

aa....aa:

Node number of the node where the problem occurred

bb....bb:

Host name of the node where the problem occurred (communication between servers)

cc....cc:

IP address of the node where the problem occurred (communication between servers)

S:

Terminates processing.

Action:

Take the corrective action on the node where the error occurred, and then start the HADB server in the multi-node configuration.

If an HADB server on another node terminated, re-execute the `adbstart` command to start that HADB server in the multi-node configuration.

Note that this message might also be output if an attempt is made to return a node during return processing of another node.

KFAA50048-E

The server definition `adb_sys_memory_limit` cannot be defined together with the server definition `adb_sys_proc_area_max` or the server definition `adb_sys_rthd_area_max`. (M)

In the server definition, the `adb_sys_memory_limit` operand cannot be specified together with the `adb_sys_proc_area_max` operand or `adb_sys_rthd_area_max` operand.

S:

Terminates processing.

Action:

To specify the `adb_sys_memory_limit` operand in the server definition, delete the specifications of the `adb_sys_proc_area_max` operand and `adb_sys_rthd_area_max` operand in the server definition. Then, retry the operation.

To specify the `adb_sys_proc_area_max` operand or `adb_sys_rthd_area_max` operand in the server definition, delete the specification of the `adb_sys_memory_limit` operand in the server definition. Then, retry the operation.

KFAA50049-E

The HADB server cannot be started because the HADB server version is different from the HADB server version of another node. (local node = `aa....aa`, other node = `bb....bb`) (M)

The HADB server cannot start because the HADB server version is different from that of another node.

aa....aa:

HADB server version of the local node

bb....bb:

HADB server version of the other node

S:

Terminates processing.

Action:

Match the HADB server versions of the relevant nodes, and then retry the operation.

If the operation for replacement with the revised version of HADB server has been performed for each node, restore the server directory from the backup. Then, see *Swapping the HADB server with its revised version (when the multi-node function is used)* in the *HADB Setup and Operation Guide*, and then re-install the revised version of HADB server.

KFAA50050-I

The extended syslog facility was used on the HADB server. (L+M)

The extended syslog function has been applied to the HADB server.

S:

Continues processing.

KFAA50051-W

The character encoding conversion facility of the extended syslog facility could not be used. (reason = *aa....aa*)
(M)

The character encoding conversion facility of the extended syslog function could not be applied.

aa....aa:

Reason why the facility cannot be applied

S:

Continues processing.

Action:

To use the syslog character encoding conversion facility, take appropriate action for the reason indicated by *aa....aa*.

Display of <i>aa....aa</i>	Reason why the facility cannot be applied	Corrective action to take
The extended syslog facility does not support the character encoding conversion facility	The extended syslog function does not support the character encoding conversion facility.	Terminate the HADB server, and then install HA Logger Kit for Linux (extended syslog function) that supports the character encoding conversion facility. Then, start the HADB server.
Initialization of the character encoding conversion facility failed	Initialization of the character encoding conversion facility failed.	To convert syslog character encoding, Hitachi Code Converter is required as the prerequisite software. <ul style="list-style-type: none">• If Hitachi Code Converter is not installed Terminate the HADB server, and then install Hitachi Code Converter. Then, start the HADB server.• If Hitachi Code Converter is installed The error might have been caused by insufficient memory. Terminate the HADB server, and then take the corrective action for insufficient memory. Then, start the HADB server. If there is enough heap memory and the error was not caused by insufficient memory, terminate the HADB server, and then re-install Hitachi Code Converter. Then, start the HADB server. If the error persists, contact the customer support center.

KFAA50052-E

An HADB server could not be terminated because the HADB server is being returned to a multi-node configuration.
(M)

The HADB server cannot be terminated because a node is being returned to the multi-node configuration.

S:

Terminates processing.

Action:

Wait for completion of processing to return to the multi-node configuration, and then execute the `adbstop` command.

KFAA50053-E

The HADB server terminated abnormally because an error occurred during switchover processing of the master node. (information = *aa....aa*) (M)

An error occurred during master node switchover processing. Therefore, the HADB server is terminated abnormally.

aa....aa:

Message ID

S:

Terminates the HADB server abnormally.

Action:

Take action for the message ID indicated by *aa....aa*. After taking action, return the node to the multi-node configuration if necessary.

KFAA50054-E

The HADB server operation mode could not be changed because the HADB server is being returned to a multi-node configuration. (M)

The HADB server operation mode cannot be changed because a node is being returned to the multi-node configuration.

S:

Terminates processing.

Action:

Wait for completion of processing to return to the multi-node configuration, and then execute the `adbchgsrvmode` command.

KFAA50055-I

The HADB server returned to a multi-node configuration. (node number = *aa....aa*, host name = *bb....bb*, IP address = *cc....cc*) (M)

Processing to return to the multi-node configuration has completed.

aa....aa:

Node number of the node that returned to the multi-node configuration

bb....bb:

Host name of the node that returned to the multi-node configuration

cc....cc:

IP address of the node that returned to the multi-node configuration

S:

Continues processing.

KFAA50056-I

An error occurred during an attempt to access a syslog file that uses the extended syslog facility. (information = *aa....aa*) (M)

An error occurred during access to a syslog file that uses the extended syslog function.

aa....aa: Detailed information about error

Function *error*, function = "bb....bb", errno = *cc....cc*

An error occurred in a function provided by the extended syslog function.

bb....bb:

Name of the function in which the error occurred

cc....cc:

Error number

S:

Continues processing.

Action:

Check the cause of the error based on the function name indicated by *bb....bb* and the error number indicated by *cc....cc*, and then take corrective action.

KFAA50057-W

The message log file of another node was in fall-back mode. (node number = *aa....aa*, host name = *bb....bb*, IP address = *cc....cc*) (M)

Free disk space for storing the message log file is insufficient on a node other than the node for which this message was output.

aa....aa:

Node number of the node where free disk space is insufficient

bb....bb:

Host name of the node where free disk space is insufficient

cc....cc:

IP address of the node where free disk space is insufficient

S:

Continues processing.

Action:

The KFAA40025-W message has been output for the node where free disk space is insufficient. Take corrective action for that message.

KFAA50058-E

The HADB server cannot be started because the server definition on the local node is different from the definition on another node. (server definition = *aa....aa*, local node = *bb....bb*, other node = *cc....cc*) (M)

The HADB server in a multi-node configuration could not be started because the setting of whether the *aa....aa* operand is specified in the server definition is different between nodes.

aa....aa: Name of the server definition operand

- `adb_audit_log_path`

bb....bb: Whether the *aa....aa* operand is specified in the local node

- `specified`: The operand is specified.
- `unspecified`: The operand is not specified.

cc....cc: Whether the *aa....aa* operand is specified in other nodes

- `specified`: The operand is specified.
- `unspecified`: The operand is not specified.

S:

Terminates processing.

Action:

Make sure that all nodes have the same settings in regard whether the *aa....aa* operand is specified. Then, restart the HADB server in the multi-node configuration.

KFAA50059-E

The HADB server in the multi-node configuration cannot start, because *aa....aa*. (M)

The HADB server in the multi-node configuration could not be started for the reason indicated by *aa....aa*.

aa....aa: Cause of the error

- HA Monitor is not running
HA Monitor is not running.

S:

Terminates processing.

Action:

Start the HA Monitor by executing HA Monitor's `monstart` command, and then execute the `adbstart` command to start the HADB server in the multi-node configuration.

If this message is output while HA Monitor is running, the following directory path might not be specified for the PATH environment variable of the HADB administrator. Therefore, HA Monitor's command might have failed.

- Storage directory for HA Monitor's commands (/opt/hitachi/Hamon/bin)

In such cases, revise the PATH environment variable, and then execute the adbstart command to start the HADB server in the multi-node configuration.

KFAA50060-W

An error occurred while accessing the access path search information log file. (path = *aa....aa*, func = "bb....bb", errno = *cc....cc*) (M)

An error occurred while accessing the access path search information log file.

aa....aa:

Path name of the file in which the error occurred

Either of the following file path names is output:

- Access path search information log file
- Management file for the access path search information log

bb....bb:

Details of the operation that caused the error (system call name)

- open: Opening the file
- close: Closing the file
- read: Reading the file
- write: Writing to the file
- lseek: Changing the file offset
- ftruncate: Truncating the file
- fstat: Acquiring the file status
- fsync: Synchronizing the files

cc....cc:

Error number

S:

Continues processing.

Action:

In the OS documentation, check the system call indicated by *bb....bb* and the error number indicated by *cc....cc*, and then eliminate the cause of the error.

KFAA50100-E

The specified server definition value is invalid. (name = *aa....aa*, value = "bb....bb") (M)

The value specified in a server definition operand was invalid.

aa....aa:

Name of the server definition operand

bb....bb:

Value specified in the server definition operand

S:

Terminates processing.

Action:

Correct the value specified in the server definition operand.

KFAA50101-I

The work table DB area was initialized. (page size = *aa....aa* KB, file = "bb....bb") (M)

A work table DB area was initialized.

aa....aa:

Page size of the work table DB area (KB)

bb....bb: Type of the work table DB area file

- ADBWRK: Regular file
- Other: Block special file

S:

Continues processing.

KFAA50102-E

Initialization of the work table DB area failed. (M)

Initialization of a work table DB area failed.

S:

Terminates processing.

Action:

Check the error message output preceding this error message. Eliminate the cause of the error as indicated for that error message.

KFAA50103-E

The work table DB area information cannot be found. (M)

The information for a work table DB area cannot be found.

S:

Terminates processing.

Action:

The cause could be either of the following:

- The wrong block special file was assigned to the master directory DB area
Assign the correct block special file.
- The contents of the master directory DB area are corrupted
Restore the contents from back-up.

KFAA50104-E

The file "aa....aa" is invalid. (M)

The file *aa....aa* is invalid.

aa....aa:

File name

S:

Terminates processing.

Action:

The cause could be either of the following:

- The wrong block special file was assigned
Assign the correct block special file.
- The file is corrupted
Restore the file from back-up.

KFAA50108-I

The block special file "aa....aa"(bb....bb) is initialized. (S+L+M)

The block special file *aa....aa* was initialized.

aa....aa:

Name of the block special file that was initialized

bb....bb: Path name of the *aa....aa* object

If the object path name was specified when the block special file was initialized, the path names output for *aa....aa* and *bb....bb* are the same.

S:

Continues processing.

KFAA50112-E

A system call error occurred. (func = "aa....aa", errno = bbb) (E+M)

System call *aa....aa* generated an error.

aa....aa:

System call that caused the error

bbb:

Error number

S:

Terminates processing.

Action:

Check the OS documentation for the displayed system call name and error number, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number, execute the `adbinfoget` command, collect troubleshooting information, and then contact the customer support center.

KFAA50116-E

Disk capacity is insufficient. (E+M)

There is an insufficient amount of disk capacity available.

S:

Terminates processing.

Action:

Take one of the following corrective actions, and then re-execute the command.

- Increase the free space on the disk

If the disk has enough free space for initialization, check whether the file system has reached its limit or the disk quota has reached the maximum.

- Reduce the initial allocation size of the file

KFAA50117-E

A path is not a regular file or a symbolic link. (name = "aa....aa") (E+M)

The path displayed in place of *aa....aa* is not a regular file path or symbolic link path.

aa....aa:

Path name

S:

Terminates processing.

Action:

Check and, if necessary, revise the specified DB area name and the path attribute displayed in place of *aa....aa*.

KFAA50122-E

The *aa....aa bb....bb* operation failed. (name = "cc....cc") (E+M)

The *bb....bb* processing of *aa....aa* failed.

aa....aa: Processing target

- *file*: File
- *directory*: Directory
- DB area: DB area

bb....bb: Type of processing

- *create*: Creation processing
- *delete*: Deletion processing
- *open*: Open processing
- *close*: Close processing
- *write*: Write processing
- *read*: Read processing
- *readlink*: Link acquisition processing for symbolic link
- *initialize*: Initialization processing
- *add*: Processing to add DB area
- *remove*: Processing to delete DB area
- *expand*: Processing to expand DB area

cc....cc:

Name of operation target

S:

Terminates processing.

Action:

Eliminate the cause of the error based on the corrective action given for the message that was output immediately prior to this message, and then re-execute the command.

KFAA50123-E

The *aa....aa* path is invalid. (reason = "bb....bb", path = "cc....cc") (E+M)

The specification for the *aa....aa* path is invalid.

aa....aa: Type of path

- **directory**: Directory
- **file**: File

bb....bb: Cause of the error

- **too short**: The path name specified is smaller than the minimum length.
- **too long**: The path name specified exceeds the maximum length.
- **not directory**: The path specified is not a directory.
- **not exist**: The path name specified does not exist.
- **system call error**: A system call generated an error.
- **duplicate**: The path name specification is duplicated.
- **not block special file**: The path specified is not a block special file.

cc....cc:

Path name

S:

Terminates processing.

Action:

Correct the specification of the path displayed in place of *aa....aa*. Then, re-execute the command.

If *bb....bb* is **duplicate**, one of the following pairs duplicate each other.

- A block special file and a block special file
- A DB directory, or a directory where a data DB area file will be stored, and a server directory
- An initialization option file or DB area addition and modification option file and a DB area file
- A location where a data DB area file will be stored and a directory under the DB directory
- Any directory (other than a regular file or symbolic link) and a data DB area file

For details about the directories under the DB directory, see *Directories that are created under adbinit (Initialize the Database)* in the manual *HADB Command Reference*.

KFAA50134-E

The mounted block special file "aa....aa" is specified. (E+M)

A mounted block special file *aa....aa* was specified.

aa....aa:

Block special file that was specified

S:

Terminates processing.

Action:

Check whether it is okay to delete the data in the block special file. If deleting the data is okay, unmount the block special file, and then retry the operation.

If this message is output while the file is unmounted, the block special file might have been mistakenly registered in /etc/mtab. In that case, try using a method such as one of the following to restore the content of /etc/mtab:

- Use the `umount` command to delete invalid registration.
- Change the /etc/fstab settings, as necessary, and re-start the OS.

KFAA50135-E

The block special file "aa....aa" is allocated to the existing DB area file "bb....bb". (E+M)

The DB area file *bb....bb* has already been created in the specified block special file *aa....aa*.

aa....aa:

Block special file name

bb....bb:

Existing DB area file name (if it has an extension, with that extension)

S:

Terminates processing.

Action:

The DB area file to be added must be allocated to an unused block special file. Take one of the following corrective actions:

- Change the specification of the block special file *aa....aa* that was specified in the `-v` option. (Specify an unused block special file.)
- If the DB area created in the block special file *aa....aa* is not needed, delete that DB area.

KFAA50140-E

The symbolic link "aa....aa" is invalid. (reason = "bb....bb") (E+M)

A symbolic link is invalid.

aa....aa:

DB area file name (if it has an extension, with that extension)

bb....bb: Cause of the error

- `too long`: The path name of the link target exceeds 255 bytes.
- `mounted`: The block special file at the link target is mounted.
- `duplicate`: A symbolic link duplicates the link target.

S:

Terminates processing.

Action:

A symbolic link might have been corrected inaccurately. Correct the symbolic link or restore the symbolic link file from backup.

KFAA50143-I

The number of segments created for each file to be initialized in the DB area "aa....aa" is bb....bb. (M)

The number of segments created for each DB area file in the DB area to be initialized is bb....bb.

aa....aa:

Name of the DB area to be initialized

bb....bb:

Number of segments created for each DB area file

S:

Continues processing.

KFAA50144-E

Initialization of the file "aa....aa" failed because of insufficient free disk space. (required free space = bb....bb KB) (M)

An error occurred during initialization of the file because of insufficient free disk space.

aa....aa:

Name of the file in which the error occurred (including extension, if any)

bb....bb:

Required free disk space (KB)

S:

Terminates processing.

Action:

Take one of the following corrective actions, and then re-execute the command.

- Expand the disk space at the write destination.
- Specify a smaller value for the initial allocation size of the DB area file.

For regular files, the following corrective action is also possible.

- Increase the free space in the file system.

KFAA50150-I

The bb....bb processing of the DB area "aa....aa" has started on this node. (M)

The bb....bb processing of the DB area aa....aa has started on the node that output this message.

aa....aa:

DB area name

bb....bb: Processing of the DB area

- add: Addition
- remove: Deletion
- expand: Expansion

S:

Continues processing.

KFAA50151-I

The *bb....bb* processing of the DB area "*aa....aa*" has ended on this node. (M)

The *bb....bb* processing of the DB area *aa....aa* has ended on the node that output this message.

aa....aa:

DB area name

bb....bb: Processing of the DB area

- add: Addition
- remove: Deletion
- expand: Expansion

S:

Continues processing.

KFAA50152-I

The *bb....bb* processing of the DB area "*aa....aa*" has been canceled on this node. (M)

The *bb....bb* processing of the DB area *aa....aa* was canceled on the node that output this message.

aa....aa:

DB area name

bb....bb: Processing of the DB area

- add: Addition
- remove: Deletion
- expand: Expansion

S:

Continues processing.

KFAA50153-E

An error occurred on node number *aa....aa*. (IP address = *bb....bb*) (M)

An error occurred on the node with node number *aa....aa*.

aa....aa:

Node number of the node where the error occurred

bb....bb:

IP address of the node where the error occurred

S:

Terminates processing.

Action:

See the error message output to the message log file for the node with node number *aa....aa*, and then take the corrective action for the cause of the error.

KFAA50154-E

DB area files cannot be created on node number *aa....aa* because the node is not working. (IP address = *bb....bb*) (M)

DB area files cannot be created on the node with node number *aa....aa* because the node with node number *aa....aa* is stopped.

aa....aa:

Node number of the stopped node

bb....bb:

IP address of the stopped node

S:

Terminates processing.

Action:

Return all the stopped nodes to the multi-node configuration. Then, retry the operation.

KFAA50156-E

It is necessary to specify block special files in multi-node configurations. Block special files have not been specified to be allocated to the DB area "*aa....aa*". (M)

DB area files in the DB area *aa....aa* have not been allocated for block special files. When the multi-node function is used, DB area files must be allocated for block special files.

aa....aa:

DB area name

S:

Terminates processing.

Action:

To add or expand the DB area when the multi-node function is used, specify block special files in the `adbaddarea` operand or the `-v` option of the `adbexpandarea` operand.

KFAA50157-E

The block special file "*bb....bb*" that you are trying to allocate to the DB area file "*aa....aa*" on this node is different from the block special file that is allocated to the master node. (information1 = *cc....cc*, information2 = *dd....dd*) (M)

The following two block special files are different.

- Block special file *bb....bb* that you tried to allocate to the DB area file *aa....aa* on the node that output this message
- Block special file allocated on the master node

aa....aa:

DB area file name (if there is an extension, with the extension)

bb....bb:

Link target path of *aa....aa*

cc....cc:

Maintenance information 1

dd....dd:

Maintenance information 2

S:

Terminates processing.

Action:

Check whether *bb....bb* is a block special file that can be shared with all nodes.

KFAA50158-E

A block special file that cannot be shared with node number *aa....aa* is specified. (IP address = *bb....bb*) (M)

A block special file that cannot be shared with the node with node number *aa....aa* is specified.

aa....aa:

Node number of the node

bb....bb:

IP address of the node

S:

Terminates processing.

Action:

See the KFAA50157-E message output to the message log file for the node with node number *aa....aa*, and identify the block special file that cannot be shared. Then, specify a block special file that can be shared with all nodes, in place of the block special file you identified.

KFAA50159-W

An attempt to delete DB area files on node number *aa....aa* failed, but operation is not affected. (IP address = *bb....bb*) (M)

An attempt to delete DB area files failed on the node with node number *aa....aa*. However, operation is not affected.

aa....aa:

Node number of the node

bb....bb:

IP address of the node

S:

Continues processing.

Action:

See the KFAA96219-W message output to the message log file for the node with node number *aa....aa*, and determine the DB area file that failed to be deleted. Then, manually delete the DB area file.

Note that the DB area file that failed to be deleted can remain as is without affecting operation.

KFAA50160-I

The symbolic link "*aa....aa*"(*bb....bb*) was created. (M)

A symbolic link for the DB area file is created.

aa....aa:

DB area file name (if there is an extension, with the extension)

bb....bb:

Path name of the link target

S:

Continues processing.

KFAA50201-E

The *aa....aa* command cannot be executed because the *bb....bb* command was stopped. (M)

The *aa....aa* command cannot be executed because the *bb....bb* command has not terminated normally.

aa....aa:

Name of the command that cannot be executed

bb....bb:

Name of the command that has not terminated normally

S:

Terminates processing.

Action:

Re-execute the *bb....bb* command.

To re-execute the `adbimport` command, use the *re-execute facility that starts from the processing to create B-tree indexes and text indexes* of the `adbimport` command.

To re-execute the `adbidxrebuild` command, use the re-execute facility of the `adbidxrebuild` command.

KFAA50202-E

Table "*aa....aa*".*"bb....bb"* is not found in the system. (M)

The specified schema name or table identifier does not exist.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Terminates processing.

Action:

Correct the schema name or table identifier, and then re-execute the command. If there is no table to be specified by the command, define the schema and table, and then re-execute the command.

KFAA50203-E

The table "*aa....aa*".*"bb....bb"* cannot be specified for the table name. (M)

The command cannot be executed for one of the following reasons:

- The table specified when executing the command is not a base table.
- The table specified when executing the `adbreorgsystemdata` command is not a system table (base table).

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Terminates processing.

Action:

Correct the schema name or table identifier that is specified, and then re-execute the command.

KFAA50204-E

The *aa....aa* is invalid because *bb....bb*. (M)

aa....aa is invalid. The cause is *bb....bb*.

aa....aa:

Command that was executed

bb....bb: Cause of the error

- the *-c* option is specified in the viewed table: The *-c* option is specified for a viewed table.
- the *-c* option is specified in the non-multi-chunk table: The *-c* option is specified for a single-chunk table.
- export data output file exists: The file specified as the output data path file already exists.

S:

Terminates processing.

Action:

Eliminate the cause of the error displayed in place of *bb....bb*, and then re-execute the `adbexport` command.

KFAA50205-E

The option argument is invalid. (command name = *aa....aa*, option = *bb....bb*, reason = *cc....cc*) (E+M)

The option argument of the command is invalid.

aa....aa:

Executed command

bb....bb:

Invalid option argument

cc....cc:

Cause of the error

S:

Terminates processing.

Action:

Change the value specified for *chunk-ID-list-to-be-analyzed* in the *-c* option of the `adbstatus` command, and then re-execute the command. The following describes the causes of the error and the corrective action to take.

- If the cause of the error (*cc....cc*) is An invalid character was specified.

Characters that cannot be used or that are grammatically incorrect are specified for *chunk-ID-list-to-be-analyzed*.

Example of incorrect specification: *-c 1-2-3*

Example of correct specification: -c 1-3

- If the cause of the error (*cc....cc*) is The specified value is outside the valid range. A numeric value outside the range of chunk IDs is specified for *chunk-ID-list-to-be-analyzed*. Specify a value from 1 to 9,223,372,036,854,775,807 for the chunk ID.
- If the cause of the error (*cc....cc*) is The value on the right side is equal to or less than the value on the left side.

When a range of chunk IDs is specified for *chunk-ID-list-to-be-analyzed*, the *value-to-the-left-of-the-hyphen* is equal to or greater than the *value-to-the-right-of-the-hyphen*. Correct the specification so that the *value-to-the-left-of-the-hyphen* is less than the *value-to-the-right-of-the-hyphen*.

Example of incorrect specification: -c 5-2

Example of correct specification: -c 2-5

- If the cause of the error (*cc....cc*) is The specified value exceeds the maximum value that can be specified.

The number of chunk IDs specified for *chunk-ID-list-to-be-analyzed* exceeds 30,000. Reduce the number of chunk IDs to 30,000 or fewer.

For details about the specification rules for *chunk-ID-list-to-be-analyzed* in the -c option of the `adbdbstatus` command, see the following: *Explanation of options in Explanation of the specification format and options (outputting information about the need for reorganization of column store tables)* in *Specification format for the adbbsstatus command* in the manual *HADB Command Reference*.

KFAA50206-E

An invalid record was found in the index record file *aa....aa*. (reason = *bb....bb*) (M)

There is an invalid record among the records in the index record file *aa....aa*.

aa....aa:

Name of index record file being created by the HADB server

bb....bb: Cause of the error

- Tally-length: The total record length, which is fixed length, is not an integer multiple.
- Variable-record: The data part length, which is variable length, is invalid.

S:

Terminates processing.

Action:

The index record file is corrupted. Because of this, you must re-execute the command from the beginning.

KFAA50209-E

The index must be recreated to access the table. (index = "aa....aa"."bb....bb", DB area = "cc....cc") (M)

An attempt was made to access an index that was in unfinished status.

aa....aa:

Schema name

bb....bb:

Index identifier

cc....cc:

DB area name

S:

Terminates processing.

Action:

For the action to be taken if an index is placed in unfinished status, see either of the following sections (whichever is applicable) in the *HADB Setup and Operation Guide*: *Steps to take when unfinished status is applied to a B-tree index*.

For the action to be taken if a text index is placed in unfinished status, see *Steps to take when unfinished status is applied to a text index* in the *HADB Setup and Operation Guide*.

For the action to be taken if a range index is placed in unfinished status, see *Steps to take when unfinished status is applied to a range index* in the *HADB Setup and Operation Guide*.

KFAA50210-E

An error occurred in the table during *aa....aa* processing. The table is "*bb....bb*".*"cc....cc"*. (M)

An error occurred in a table while *aa....aa* was being processed.

aa....aa: The processing that caused the error

- *scan*: Line scan processing
- *delete*: Line deletion processing
- *insert*: Line insertion processing
- *index generate*: Index creation processing
- *directory update*: Directory update processing
- *directory reference*: Directory reference processing
- *chunk update*: Chunk update processing
- *privilege check*: Access privilege check processing

bb....bb:

Schema name

cc....cc:

Table identifier

S:

Terminates processing.

Action:

Eliminate the cause of the error based on the messages that were output prior to this message. Then, re-execute the command.

Restore the database if necessary, and then re-execute the command. For details about how to restore the database, see the corrective action to take when a command terminates abnormally in the manual *HADB Command Reference*.

KFAA50211-E

The defined information *aa....aa* could not be acquired. (table = "bb....bb"."cc....cc") (M)

Definition information *aa....aa* could not be acquired.

aa....aa: Type of definition information that could not be acquired

- *table*: Table definition information
- *column*: Column definition information
- *index*: Index definition information

bb....bb:

Schema name

cc....cc:

Table identifier

S:

Terminates processing.

Action:

An error might have occurred during dictionary table (base table) I/O. Check whether a disk failure has occurred. If you cannot ascertain the cause of the error, contact the customer support center.

Restore the database if necessary, and then re-execute the command. For details about how to restore the database, see the corrective action to take when a command terminates abnormally in the manual *HADB Command Reference*.

KFAA50212-E

The defined information *aa....aa* could not be acquired. (schema = "bb....bb") (M)

The *aa....aa* type of definition information could not be acquired.

aa....aa: Type of definition information that could not be acquired

table: Table definition information

bb....bb:

Schema name

S:

Terminates processing.

Action:

An input/output error might have occurred on the dictionary table (base table).

Eliminate the cause of the error based on the messages that were output prior to this message.

You might need to recover the dictionary DB area. For details about how to recover the database from the backup, see *Recovering the database from the backup* in the *HADB Setup and Operation Guide*.

KFAA50213-E

The defined information could not be acquired. (M)

The definition information for the dictionary table (base table) could not be acquired.

S:

Terminates processing.

Action:

Eliminate the cause of the error based on the messages that were output prior to this message.

KFAA50214-E

The DB status information could not be acquired. (M)

The DB status analysis results could not be acquired.

S:

Terminates processing.

Action:

Eliminate the cause of the error based on the messages that were output prior to this message.

The `adbdbstatus` command has output the DB status analysis results to the standard output during information acquisition processing. Therefore, this message might be output if a communication error occurred during information acquisition processing (if the KFAA50301-E message is output).

KFAA50215-E

An error occurred during storage of data. (input file = *aa....aa*, row number = *bb....bb*) (M)

An error occurred when data was being stored in the *bb....bb*th line.

aa....aa:

The serial number or file name of the input file

bb....bb:

Row number

S:

Terminates processing.

Action:

Check the error messages that were output immediately before and after this message, and eliminate the cause of the error. Then, re-execute the command.

KFAA50216-E

The table "aa....aa"."bb....bb" cannot be specified for the -n option, because the table is not a column store table.
(E+M)

Table "aa....aa"."bb....bb" is a row store table. Only column store tables can be specified for the -n option.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Terminates processing.

Action:

If you specify the -d reorginfo option of the adbstatus command, specify a column store table for the -n option. The -d reorginfo option can be specified to check the necessity of reorganizing a column store table.

For details about how to check the necessity of reorganizing a row store table, see the following in the *HADB Setup and Operation Guide: Checking whether a single-chunk table needs to be reorganized* or *Checking whether a multi-chunk table needs to be reorganized*.

KFAA50217-E

The input data length is invalid. (input file = *aa....aa*, row = *bb....bb*, column = *cc....cc*) (M)

The input data length of field number *cc....cc* in the *bb....bb*th row is invalid.

aa....aa:

The serial number or file name of the input file

bb....bb:

Row number

cc....cc: Field number

- If the input data is in the CSV format: Field data number
- If the input data is in a fixed-length format: Order of the column definition in the table definition

The columns indicated by the order of column definition in the table definition correspond to the columns specified in the -n option of the adbcolumninfo operand in the column structure information file. The value in the -p option, specified along with the -n option, corresponds to the relevant part of the input data.

S:

Terminates processing.

Action:

A logical error has occurred in input data. For details about the corrective action to take, see *How to handle logical errors in input data* in the manual *HADB Command Reference*.

KFAA50219-E

The target input data does not exist. (input file = *aa....aa*, row = *bb....bb*, column = *cc....cc*) (M)

Input data of field data number *cc....cc* of the row *bb....bb* does not exist.

aa....aa:

The serial number or file name of the input file

bb....bb:

Row number

cc....cc:

Field data number

S:

Terminates processing.

Action:

Correct the data of the relevant row number in the input data file. Alternatively, correct the value specified for the **-r** option of the **adbcolumninfo** operand in the column structure information file. Then, re-execute the command.

KFAA50220-E

An error occurred during conversion of input data. (input file = *aa....aa*, row = *bb....bb*, column = *cc....cc*) (M)

An error occurred during conversion of the input data of field number *cc....cc* in the *bb....bb*th row.

aa....aa:

The serial number or file name of the input file

bb....bb:

Row number

cc....cc: Field number

- If the input data is in the CSV format: Field data number
- If the input data is in a fixed-length format: Order of the column definition in the table definition

The columns indicated by the order of column definition in the table definition correspond to the columns specified in the **-n** option of the **adbcolumninfo** operand in the column structure information file. The value in the **-p** option, specified along with the **-n** option, corresponds to the relevant part of the input data.

S:

Terminates processing.

Action:

A logical error has occurred in input data. For details about the corrective action to take, see *How to handle logical errors in input data* in the manual *HADB Command Reference*.

KFAA50221-E

The number of columns in the input data does not match the number of stored columns. (input file = aa....aa, row = bb....bb) (M)

The number of columns of input data in the bb....bbth line does not match the column count at the storage destination.

aa....aa:

The serial number or file name of the input file

bb....bb:

Row number

S:

Terminates processing.

Action:

A logical error has occurred in input data. Other possible explanations are as follows, in addition to the possibility that the input data column count does not match the storage destination column count.

- Data in the input file includes 0x00.
- The final line does not end in a linefeed.
- An EOF control character is stated at the end of the file.

For details about the corrective action to take for logical errors in input data, see *How to handle logical errors in input data* in the manual *HADB Command Reference*.

KFAA50222-E

The input data contains an invalid empty string. (input file = aa....aa, row = bb....bb, column = cc....cc) (M)

An empty string is specified in field number cc....cc in the bb....bbth row, which cannot store a null value.

aa....aa:

The serial number or file name of the input file

bb....bb:

Row number

cc....cc: Field number

- If the input data is in the CSV format: Field data number
- If the input data is in a fixed-length format: Order of the column definition in the table definition

The columns indicated by the order of column definition in the table definition correspond to the columns specified in the -n option of the `adbcolumninfo` operand in the column structure information file. The value in the -p option, specified along with the -n option, corresponds to the relevant part of the input data.

S:

Terminates processing.

Action:

A logical error has occurred in input data. For details about the corrective action to take, see *How to handle logical errors in input data* in the manual *HADB Command Reference*.

KFAA50223-E

An invalid enclosing character was detected in the data. (input file = aa....aa, row = bb....bb) (M)

An invalid enclosing character was detected in the data in the bb....bbth line.

aa....aa:

The serial number or file name of the input file

bb....bb:

Row number

S:

Terminates processing.

Action:

A logical error has occurred in input data. For details about the corrective action to take, see *How to handle logical errors in input data* in the manual *HADB Command Reference*.

To treat an enclosing character as itself in input data, specify that character twice consecutively.

KFAA50224-E

The specified data is longer than the column length. (input file = aa....aa, row = bb....bb, column = cc....cc) (M)

The data of field number cc....cc in the bb....bbth row cannot be stored because the data is longer than the column definition.

aa....aa:

The serial number or file name of the input file

bb....bb:

Row number

cc....cc: Field number

- If the input data is in the CSV format: Field data number
- If the input data is in a fixed-length format: Order of the column definition in the table definition

The columns indicated by the order of column definition in the table definition correspond to the columns specified in the -n option of the `adbcolumninfo` operand in the column structure information file. The value in the -p option, specified along with the -n option, corresponds to the relevant part of the input data.

S:

Terminates processing.

Action:

A logical error has occurred in input data. For details about the corrective action to take, see *How to handle logical errors in input data* in the manual *HADB Command Reference*.

KFAA50225-E

The *aa....aa* specification contains an error or indispensable operand is not specified, or a necessary operand has not been specified. (reason = *bb....bb*) (M)

There is a *bb....bb* error in the specification of *aa....aa*.

aa....aa: Option specified by command

The following table provides details.

Value of aa....aa	Description
table	Table name
schema-name	Schema name
table-identifier	Table identifier
file-name	File name
filetype	Data type
fld-char	Field-delimiting character
fld-char-pre	Field-delimiting character (preceding)
fld-char-suf	Field-delimiting character (following)
trm-char	Line-delimiting character
idx-mode	Index creation method
index	Index identifier
col-inf-n	Column unit information count
col-inf	Column unit information
data-len	Input data length of column
err-inf	Error information
delimiter	Delimiting character
enclosing-character	Enclosing character
table-name-file	Table name description file
table option	Table option
input-path-file-name	Input data path file name
input-file-name	Input data file name
export-path-file-name	Output data path file name
export-data-output-file-name	Output data file name
timing-to-output-progress-message	Output interval for progress message on data import processing
temporary-directory	Path name of the storage directory for temporary work files: References the command's -w option. If the -w option is omitted for a command, the path name of the storage directory for temporary work files is \$DBDIR/ADBWORK.
import-option-file-name	Import option file name
idxrebuild-option-file-name	Index rebuild option file name

Value of aa....aa	Description
cost-information-collection-option-file-name	Cost information collection option file name
export-option-file-name	Export option file name
merge-chunk-option-file-name	Merge chunk option file name
error-data-file-name	Logical error data file name
sort-buffer-size	Sort buffer size
--force	-- force option (forced execution)
--create-temp-file	--create-temp-file option
user-name	Authorization identifier
index-ID file	Index identifier file
index-ID file name	Index identifier file name
SQL-statement-file-name	SQL statement file name
column-structure-information-file-name	Column structure information file name
-b option	-b option
index-name	Index name (" [schema-name .] index-identifier")
DBarea-name	DB area name
-n option	-n option
-c option	-c option
-m option	-m option
-s option	-s option
-k option	-k option
-r option	-r option
chunk ID	Chunk ID
--compress	File compression option
archive-directory	Archive directory
archive-file-name	Archive file name
file-that-specifies-the-unload-file-directory	Name of the directory path file that specifies the storage directory for unload files
unload-file-directory	Path name of the storage directory for unload files

bb....bb: Detailed information about error

The following table provides details.

Value of bb....bb	Description
invalid char	The specified character is invalid. This error also occurs if the specified file name includes reserved characters, or if an EOF control character is included in the input control file.
invalid value	The specified value is invalid. Carefully review whether the specification is correct.

Value of bb....bb	Description
invalid combination	The specified combination is invalid. Carefully review whether the specification is correct.
invalid format	The specified format is invalid. Carefully review whether the specification is correct.
invalid length	The specified value length is invalid. Carefully review the specified value length.
length over	The specified value exceeds the limit. Another possibility is that a 0-byte character has been specified. Carefully review the specified value.
length short	The specified value is less than the minimum that can be specified. Carefully review the range of values that can be specified.
limit over	The maximum count that can be specified has been exceeded. Carefully review the specified count.
not directory name	The specified path name is invalid. Carefully review whether the specification is correct.
not file name	The specified path is not a file. Alternatively, the file does not exist. Carefully review whether the specification is correct.
insufficient memory (u)	Memory area cannot be acquired. Read the message output before this message and take the corrective action indicated.
insufficient memory (s)	
error convert path	An error occurred in absolute path conversion. Carefully review whether the path specification is correct for input data files and the like.
duplicate	A specification has been used more than once. Alternatively, the specified file name is the same as one of the following file names: <ul style="list-style-type: none"> • Logical error data file name • Unload file name Carefully review to make sure that a duplicated value was not specified.
invalid permission	Access permissions are lacking. Carefully review whether access permissions have been granted.
not index-identifier	The specified index identifier does not exist.
table for which "CHUNK" was not specified	The CREATE TABLE statement does not include the chunk specification.
not index name	The specified index does not exist.
not DBarea name	The specified DB area does not exist.
unsupported DBarea name	The specified DB area type is not supported.

S:

Terminates processing.

Action:

Eliminate the cause of the error based on *aa....aa* and *bb....bb*. Then, retry the operation.

This message might also be output due to one of the following reasons:

- A required operand was not specified.
- The sequence of specifying operands is invalid.
- A file with the same name as a logical error data file was specified.

If *bb....bb* is insufficient memory (u) or insufficient memory (s), take the action outlined in the following procedure:

1. Check for any unnecessary processes. If there are any unnecessary processes, shut them down or delete them.
2. If there is not enough memory after performing step 1, restart the OS, and then start the HADB server with the `adbstart` command.
3. If there is not enough memory after performing step 2, change the kernel parameter setting to increase the amount of memory that processes can use. After restarting the OS, start the HADB server with the `adbstart` command.

KFAA50226-E

An error was detected in the system. (SQLCODE = *aa....aa*) (M)

An error was detected in SQLCODE *aa....aa*.

aa....aa:

SQLCODE

S:

Terminates processing.

Action:

Determine the cause of the error based on SQLCODE, and then eliminate it.

Restore the database if necessary, and then re-execute the command. For details about how to restore the database, see the corrective action to take when a command terminates abnormally in the manual *HADB Command Reference*.

KFAA50227-E

The SQL statement in the SQL statement file of the `adbexport` command contains an error. (reason = *aa....aa*) (M)

There is an error in an SQL statement contained in the SQL statement file that was specified in the `adbexport` command.

aa....aa: Nature of the error

- not SELECT-statement: An SQL statement other than the SELECT statement is specified.
- parameters specified: A dynamic parameter is specified.
- "ROW" specified in selection expression: ROW is specified in a selection expression.
- length over: The length of an SQL statement (including space and linefeed) exceeds 16,000,000 bytes.
- length zero: The length of an SQL statement is 0 byte.

S:

Terminates processing.

Action:

Correct the SQL statement in the SQL statement file, and then re-execute the `adbexport` command.

KFAA50228-E

An SQL error was detected in the *aa....aa* command. (SQLCODE = *bb....bb*) (M)

An error indicated by SQLCODE *bb....bb* occurred during execution of the *aa....aa* command.

aa....aa:

Name of the executed command

bb....bb:

SQLCODE

S:

Terminates processing.

Action:

Check the message of the indicated SQLCODE or the message output to the message log file, and then eliminate the cause of the error. Once this is done, re-execute the command.

For details about how to interpret the SQLCODE, see [1.4 Interpreting SQLCODEs](#).

KFAA50229-E

The search buffer specified in *aa....aa* option *bb....bb* is invalid. The required size is "*cc....cc*" MB. (M)

The buffer size specified during execution of the command is insufficient. The buffer size required for executing the command is *cc....cc* megabytes.

aa....aa: Command option type

- **export**: Export option
- **archive chunk**: Archive chunk option

bb....bb: Option name

- `adb_export_scan_buff_size`
- `adb_arcv_scan_buff_size`

cc....cc:

Required buffer size (megabytes)

S:

Terminates processing.

Action:

▪ If *aa....aa* is **export**:

Take one of the following corrective actions:

- Change the value of the export option `adb_export_scan_buff_size` so that it is greater than *cc....cc*.
- Correct the SELECT statement in the SQL statement file. Reduce the number of selection expressions in the outermost query specification or the length of the data resulting from the selection expression.

▪ If *aa....aa* is **archive chunk**:

Change the value of the archive chunk option `adb_arcv_scan_buff_size` so that it is greater than *cc....cc*.

KFAA50230-I

The adbexport command has executed an SQL statement. (SQL statement = "aa....aa") (M)

The adbexport command has executed the SQL statement *aa....aa*.

aa....aa: The SQL statement that was executed

Only the first 2,048 bytes of the SQL statement is output. If byte 2,048 is a part of a multi-byte character, the characters up to the one immediately preceding that multi-byte character are output.

S:

Continues processing.

KFAA50235-E

No chunk IDs can change the chunk status. (M)

There are no chunks able to change chunk status.

S:

Terminates processing.

Action:

Check the chunk status. Then, specify the chunk ID of a chunk that can change chunk status, using the -w or -n option, and re-execute the command.

KFAA50236-E

An error occurred during the check of the unload file. (reason = "aa....aa", file = "bb....bb") (M)

An error occurred during the check of the unload file.

aa....aa: Cause of the error

- *not unloadfile*: The checked file is not an unload file.
- *invalid data*: The data is cut off.

bb....bb:

Path name of the checked file

S:

Terminates processing.

Action:

Check whether any other process has updated the unload file during execution of the adbreorgsystemdata command.

If another process has updated the unload file, take one of the following actions, and then re-execute the adbreorgsystemdata command.

- Stop the relevant process.

- Change the storage directory for unload files to a directory not used by other processes. The storage directory for unload files is specified in directory-path-file-that-specifies-the-storage-directory-for-unload-files for the -f option.

KFAA50239-E

A chunk to be deleted in the table ("aa....aa"."bb....bb") could not be deleted, because an SQL statement or a command has been referencing the table from before the completion of reorganization phase 1 of the previous execution of the adbreorgsystemdata command. (M+S)

Before the completion of phase 1 of the previously executed adbreorgsystemdata command to reorganize the system table, another SQL statement or command is referencing the table "aa....aa"."bb....bb". Therefore, the adbreorgsystemdata command cannot delete the data before reorganization.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Terminates processing.

Action:

Take one of the following actions. Then, re-execute the adbreorgsystemdata command.

- Wait for termination of the SQL statement or command that is referencing table "aa....aa"."bb....bb" .
- Manually terminate the SQL statement or command that is referencing table "aa....aa"."bb....bb" without waiting for its termination.

For details about how to terminate SQL statements and commands manually, see *Reorganization of a system table and lock control* in the *HADB Setup and Operation Guide*.

KFAA50243-E

aa....aa could not access the command status file. (file = *bb....bb*, reason = *cc....cc*, kind = *dd....dd*, last command = *ee....ee*, errno = *ff....ff*) (M)

The *aa....aa* command cannot access the command status file *bb....bb*.

aa....aa: Command that cannot access the command status file

- Import: adbimport command
- Index-rebuild: adbidxrebuild command
- Unarchive-chunk: adbunarchivechunk command

bb....bb:

Command status file name

cc....cc: Reason code

- No-file: The file does not exist.
- Invalid-permission: Access privilege (read or write privilege) for the file has not been granted.
- Version-mismatch: The status file was created by using a different version.
- Other-access-error: An access system call error other than the above occurred.

dd....dd: Type of the command status file

- Import status file: Command status file of the adbimport command
- Index-rebuild status file: Command status file of the abdidxrebuild command

ee....ee: Command that was last suspended

- Import: adbimport command
- Index-rebuild: abdidxrebuild command
- Unarchive-chunk: abdunarchivechunk command

ff....ff:

Error number for the access system call

S:

Terminates processing.

Action:

- If *cc....cc* is No-file or Version-mismatch and *aa....aa* is Import or Index-rebuild Execute the abdidxrebuild command with the --force option specified.
If the suspended command is the adbimport command with background import applied (the -b option), executing the abdidxrebuild command with the --force option deletes stored information for table data that was being processed by the adbimport command. In this case, wait for the abdidxrebuild command to complete, and then re-execute the suspended adbimport command with the -b option specified.
- If *cc....cc* is No-file or Version-mismatch and *aa....aa* is Unarchive-chunk
Re-execute the abdunarchivechunk command with the --force option specified.
- If *cc....cc* is Invalid-permission
Grant access privileges (read or write privileges) for the file by using the OS's chmod command or similar. Then, re-execute the command that was last suspended.

chmod command execution example

```
chmod 644 /home/osuser01/db/ADBSYS/ADBUTL/IMP_20191
```

- If *cc....cc* is Other-access-error

Check the error number for the access system call in the OS documentation, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the error number, execute the abdbinfoget command to collect troubleshooting information, and then contact the customer support center.

KFAA50244-E

The command status file to be used by the command re-execution functionality does not exist. (last command = *aa....aa*) (M)

The command status file to be used by the following commands does not exist.

- `adbimport` command (re-execute facility that starts from the processing to create B-tree indexes and text indexes)
- `adbidxrebuild` command (re-execute facility)
- `adbunarchivechunk` command

aa....aa: Command that was suspended the previous time

- Import: `adbimport` command
- Index-rebuild: `adbidxrebuild` command
- Unarchive-chunk: `adbunarchivechunk` command

S:

Terminates processing.

Action:

- If *aa....aa* is Import or Index-rebuild
Execute the `adbidxrebuild` command with the `--force` option specified.
If the suspended command is the `adbimport` command with background import applied (the `-b` option), executing the `adbidxrebuild` command with the `--force` option deletes stored information for table data that was being processed by the `adbimport` command. In this case, wait for the `adbidxrebuild` command to complete, and then re-execute the suspended `adbimport` command with the `-b` option specified.
- If *aa....aa* is Unarchive-chunk
Re-execute the `adbunarchivechunk` command with the `--force` option specified.

KFAA50245-E

aa....aa could not access the temporary work file. (file = *bb....bb*, reason = *cc....cc*, kind = *dd....dd*, last command = *ee....ee*, errno = *ff....ff*) (M)

The *aa....aa* command cannot access the temporary work file *bb....bb*.

aa....aa: Command that cannot access the temporary work file

- Import: `adbimport` command
- Index-rebuild: `adbidxrebuild` command
- Unarchive-chunk: `adbunarchivechunk` command

bb....bb:

Temporary work file name

cc....cc: Reason code

- No-file: The file does not exist.
- Invalid-permission: Access privilege (read or write privilege) for the file has not been granted.
- Other-access-error: An access system call error other than the above occurred.

dd....dd: Type of the temporary work file

- index record file: Index record file

- sort result file: Sort result file

ee....ee: Command that was suspended the previous time

- Import: adbimport command
- Index-rebuild: adbidxrebuild command
- Unarchive-chunk: adbunarchivechunk command

ff....ff:

Error number for the access system call

S:

Terminates processing.

Action:

- If *cc....cc* is **No-file**:

- If *aa....aa* is Import or Index-rebuild
Execute the adbidxrebuild command with the --create-temp-file option specified.
- If *aa....aa* is Unarchive-chunk
Execute the adbunarchivechunk command with the --force option specified.

- If *cc....cc* is **Invalid-permission**:

- If *aa....aa* is Import or Index-rebuild
Grant access privileges (read or write privileges) for the file by using the OS's chmod command or similar.
Then, re-execute the command that was suspended the previous time.

chmod command execution example

```
chmod 644 /mnt/disk1/xxxxx/_T20191_I30321_P0
```

- If *aa....aa* is Unarchive-chunk

Grant access privileges (read and write privileges) for the file by using the OS's chmod command or similar.
Alternatively, delete the file, and then re-execute the adbunarchivechunk command with the --force option specified.

- If *cc....cc* is **Other-access-error**:

Check the error number for the access system call in the OS documentation, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the error number, execute the adbinfoget command to collect troubleshooting information, and then contact the customer support center.

KFAA50246-E

The index record file is illegal. (file = *aa....aa*, reason = *bb....bb*) (errno = *cc....cc*) (M)

Index record file *aa....aa* is invalid. The cause is indicated by *bb....bb*.

aa....aa:

Name of index record file being created by the HADB server

bb....bb: Reason code

The following table provides details.

Value of bb....bb	Description
Duplicated-entry	During specification of multiple files, the same file was specified more than once.
Invalid-device	The file format is invalid.
Invalid-header	The header ID does not exist.
Invalid-permission	The permissions (for access) for the file are invalid.
Invalid-record-length	During specification of multiple files, the files had different record lengths.
No-file	The file does not exist.
No-header	The header does not exist.
Other-access-error	An access system call error other than Invalid-permission and No-file occurred.

cc....cc: Error number for the access system call

This is displayed if the reason code is other than Invalid-permission, No-file, or Other-access-error. For other cases, (`errno = cc....cc`) is not displayed.

S:

Terminates processing.

Action:

Because the index record file is corrupted, it is necessary to re-execute the command. For details about how to restore the database, see the corrective action to take when a command terminates abnormally in the manual *HADB Command Reference*.

If Other-access-error is displayed for the reason code, check the error number for the access system call in the OS documentation, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the error number, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

If using the multi-node function:

For details about the corrective action to take if the `adbimport`, `adbidxrebuild`, or `adbunarchivechunk` command terminates abnormally and the table to be processed becomes non-updatable, see the following: *Releasing a base table from non-updatable status (when the multi-node function is being used)* in *Base table operations (when the multi-node function is being used)* in the *HADB Setup and Operation Guide*.

KFAA50247-E

The temporary work file to be used by the command re-execution functionality does not exist. (last command = *aa....aa*) (M)

The temporary work file to be used for the re-execute facility of either the `adbimport` command (re-execution starting from the processing to create B-tree indexes and text indexes) or the `adbidxrebuild` command does not exist.

aa....aa: Command that was suspended the previous time

- Import: `adbimport` command
- Index-rebuild: `adbidxrebuild` command

S:

Terminates processing.

Action:

Execute the `adbidxrebuild` command with the `--create-temp-file` option specified.

KFAA50248-E

The option `--create-temp-file` cannot be specified, because the base table does not have a non-updatable status. (M)

The `--create-temp-file` option cannot be specified because the target table is not in a non-updatable status.

S:

Terminates processing.

Action:

Execute the `adbidxrebuild` command without specifying the `--create-temp-file` option.

KFAA50250-E

aa....aa processing was canceled. (M)

aa....aa has been canceled.

aa....aa: Type of processing

- `Archive-chunk`: Chunk archive processing
- `Clean-synonym-dictionary`: Deletion processing of unnecessary files under the storage directory for synonym dictionary files
- `Convert-audit-trail-file`: Conversion processing for the audit trail file
- `Cost-information-collection`: Cost information collection processing
- `DB-status-analysis`: DB status analysis processing
- `Delete-synonym-dictionary`: Synonym dictionary deletion processing
- `Export`: Data export processing
- `Import`: Data import processing
- `Index-rebuild`: Index rebuild processing
- `Modify-synonym-dictionary`: Synonym dictionary registration or update processing
- `Output-synonym-dictionary`: Synonym dictionary output processing
- `Reorganize-systemdata`: System table reorganization processing
- `Synchronize-synonym-dictionary`: Synchronization processing of synonym dictionary files

S:

Terminates processing.

Action:

Check the other messages that were output to the message log file or standard error output, and then eliminate the cause of the failure. Once this is done, re-execute the command.

KFAA50251-I

The specified value of the option *aa....aa* is *bb....bb*. (M)

The value of the *aa....aa* option at the execution time is *bb....bb*.

aa....aa:

Command option name

bb....bb:

Value used for execution

S:

Continues processing.

KFAA50252-I

File processing is in progress. (file name = *aa....aa*) (M)

The *aa....aa* file is being processed.

aa....aa:

File name

S:

Continues processing.

KFAA50253-I

The following values were specified for the *aa....aa*. (M)

A value is specified for *aa....aa*.

A message indicating the specified value is output after this message.

aa....aa:

- **index-identifier-file**: Index identifier file
- **temporary-directory-path-file**: Directory path file that specifies the storage directory for temporary work files

S:

Continues processing.

KFAA50254-I

aa....aa = bb....bb (M)

bb....bb is specified for *aa....aa*.

aa....aa:

- **Index-identifier:** Index identifier
- **Temporary-directory-path:** Directory path that specifies the storage directory for temporary work files

bb....bb:

Specified value

S:

Continues processing.

KFAA50255-I

The number of *aa....aa* specifications is *bb....bb*. (M)

The number of *aa....aa* specifications is *bb....bb*.

aa....aa:

- **Input data file:** Input data file
- **Export data file:** Output data file
- **Synonym dictionary:** Synonym dictionary

bb....bb:

Number of specified *aa....aa*

S:

Continues processing.

KFAA50260-W

The index to be rebuilt does not exist. (M)

There is no index to be rebuilt because there is no index in unfinished status.

S:

Continues processing.

KFAA50265-E

A setting for the column structure information file is invalid. (column name = *aa....aa*, option = *bb*, reason = *cc....cc*) (M)

The specification for the column structure information file contains an error.

aa....aa: Column name specified in -n option of the column structure information file's `adbcolumninfo` operand

If no column name can be output, three asterisks (***) are displayed.

bb:

Name of option that contains the error

cc....cc: Cause of the error

- **not column name**

The column name specified in the -n option of the `adbcolumninfo` operand does not exist in the processing-target table.

- **duplicate**

The column name specified in the -n option of the `adbcolumninfo` operand is a duplicate.

- **not specified**

No option is specified.

- **invalid value**

The specified value is invalid.

- The total value of the start position and the length exceeds the record length.

The sum of the start position and length specified in the -p option of the `adbcolumninfo` operand exceeds the input record length specified in the `adb_import_input_record_size` operand.

- The length value exceeds the number of characters that can be specified.

The value specified for length in the -p option of the `adbcolumninfo` operand exceeds the number of characters that can be specified for the column specified in the -n option of the `adbcolumninfo` operand.

- The length value is less than the number of characters that can be specified.

The value specified for length in the -p option of the `adbcolumninfo` operand is less than the number of characters that can be specified for the column specified in the -n option of the `adbcolumninfo` operand.

- The lengths of the values specified for the -c option and for the -p option do not match.

The length of the specified value of the -c option of the `adbcolumninfo` operand does not match the value specified for length in the -p option of the `adbcolumninfo` operand.

- The length value specified is odd.

The value specified for length in the -p option of the `adbcolumninfo` operand is an odd number.

- The definition data type of the column is not a binary type.

The data type defined for the column is not a binary type.

- For a column that cannot store null values, the value `empty_string` can not be specified.

For a column that cannot store null values, `empty_string` cannot be specified for the -r option of the `adbcolumninfo` operand.

- The values specified for the -b option between the column name *dd....dd* do not match.

The value specified for the -b option of the `adbcolumninfo` operand do not match that of column name *dd....dd*.

- If the value `empty_string` is specified in the -r option, the -b option cannot be specified.

If `empty_string` is specified for the -r option of the `adbcolumninfo` operand, the -b option cannot be specified.

S:

Terminates processing.

Action:

Correct the specification of the column structure information file.

KFAA50266-E

A setting for the column structure information file is invalid. (operand name = *aa....aa*, reason = *bb....bb*) (M)

The specification of the column structure information file contains an error.

aa....aa:

Name of operand that contains the error

bb....bb: Cause of the error

- *limit over*: The number of times the operand was specified exceeds the maximum.

S:

Terminates processing.

Action:

Correct the specification of the column structure information file.

KFAA50267-E

For a column that cannot store null values, you must specify the column name in the -n option of the `adbcolumninfo` operand in the column structure information file. (column name = *aa....aa*) (M)

If the column cannot store null values, a column name must be specified in the -n option of the column structure information file's `adbcolumninfo` operand.

aa....aa:

Name of the column that caused error

S:

Terminates processing.

Action:

Specify column *aa....aa* in the -n option of the column structure information file's `adbcolumninfo` operand.

KFAA50280-E

The specified table "*aa....aa*".*"bb....bb"* has no archive specifications. (M)

The table specified for executing the command is not an archivable multi-chunk table.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Terminates processing.

Action:

Specify an archivable multi-chunk table, and then re-execute the command.

KFAA50281-E

The *aa....aa* access privilege is required to execute the command. (M)

The access privilege *aa....aa* is required to execute a command.

aa....aa: Access privilege that is required

- IMPORT TABLE: IMPORT TABLE privilege
- REBUILD INDEX: REBUILD INDEX privilege
- GET COSTINFO: GET COSTINFO privilege
- EXPORT TABLE: EXPORT TABLE privilege
- MERGE CHUNK: MERGE CHUNK privilege
- CHANGE CHUNK COMMENT: CHANGE CHUNK COMMENT privilege
- CHANGE CHUNK STATUS: CHANGE CHUNK STATUS privilege
- ARCHIVE CHUNK: ARCHIVE CHUNK privilege
- UNARCHIVE CHUNK: UNARCHIVE CHUNK privilege

S:

Terminates processing.

Action:

After the required access privilege has been granted using the GRANT statement, re-execute the command.

KFAA50282-E

An error occurred in transaction processing (*aa....aa*) with reason code *bb....bb*. (M)

A failure occurred at the start or completion of a transaction.

aa....aa: Type of transaction

- begin: Transaction start processing
- commit: Commit processing
- rollback: Rollback processing

bb....bb:

SQLCODE

S:

Terminates processing.

Action:

Determine the cause of the error based on SQLCODE, and then eliminate it.

If the transaction type is `commit` or `rollback`, recover the database to its status prior to command execution using a backup. Then, re-execute the command. For details about how to restore the database, see the corrective action to take when a command terminates abnormally in the manual *HADB Command Reference*.

KFAA50284-E

No chunk meets the conditions for *aa....aa*. (M)

There is no chunk that can be archived. Alternatively, there is no chunk that can be released from the archived state.

aa....aa: Performed processing

- `archive`: Chunk archive processing
- `unarchive`: Chunk unarchive processing

S:

Terminates processing.

Action:

Make sure that the target chunk specified by the `-c` option or `-r` option of the command is correct.

Alternatively, make sure that the chunk to be processed by the command meets the conditions allowing for archiving or releasing from the archived state. For details about conditions, see the following parts in the manual *HADB Command Reference*:

- Explanation of the `-c` and `-r` options in *Explanation of the specification format and options in adbarchivechunk (Archive Chunk)*
- Explanation of the `-c` and `-r` options in *Explanation of the specification format and options in adbunarchivechunk (Unarchive Chunk)*

KFAA50285-E

The environment variable ADBDIR is invalid. (M)

Environment variable ADBDIR has not been set. Another possibility is that the value set in ADBDIR is too long.

S:

Terminates processing.

Action:

Carefully review the value set in the ADBDIR environment variable. Then, re-execute the command.

KFAA50286-E

The *aa....aa* path is invalid. (reason = "bb....bb", file = *cc....cc*) (M)

An error occurred when the *aa....aa* path was checked.

aa....aa: Path type

- *file*: Definition analysis information file

bb....bb: Cause of the error

- *too long*: The maximum length was exceeded.

cc....cc:

Definition analysis information file name

S:

Terminates processing.

Action:

The path length of the definition analysis information file displayed in place of *cc....cc* exceeds the system's upper limit. Carefully review the server directory (\$ABDDIR) path. Then, re-execute the command.

KFAA50287-E

An error occurred in the HADB function. (func = "*aa....aa*") (M)

An error occurred in HADB server function *aa....aa*.

aa....aa: Function name

- *option file analysis*: Analysis of option file
- *columns structure information file*: Analysis of column structure information file

S:

Terminates processing.

Action:

Check the other messages that were output to the message log file or standard error output, and eliminate the cause of the error. Then, re-execute the processing.

KFAA50288-E

aa....aa cannot resume by continuing from the last command execution. (reason = *bb....bb*, last command = *cc....cc*) (M)

It is not possible to restart *aa....aa* by resuming the previous command execution.

aa....aa: Type of processing

- *Import*: Data import processing

- Index-rebuild: Index rebuild processing
- Unarchive-chunk: Chunk unarchive processing

bb....bb: Cause of the error

- running authorization identifier *dd....dd*: The user who executed the command (authorization identifier *dd....dd*) is not the same as the user who executed it the previous time.
- no import status file: The command status file for the adbimport command does not exist.
- no index-rebuild status file: The command status file for the abdidxrebuild command does not exist.
- incorrect import status file: The command status file for the adbimport command is not correct.
- incorrect index-rebuild status file: The command status file for the abdidxrebuild command is not correct.
- no unarchive-chunk status file: The command status file for the abdunarchivechunk command does not exist.
- incorrect unarchive-chunk status file: The command status file for the abdunarchivechunk command is not correct.

cc....cc: Command that was suspended the previous time

- Import: adbimport command
- Index-rebuild: abdidxrebuild command
- Unarchive-chunk: abdunarchivechunk command

S:

Terminates processing.

Action:

■ If *aa....aa* is **Import or Index-rebuild**:

- If *bb....bb* is running authorization identifier

Take one of the following corrective actions:

- If re-executing after a previous execution, ask the user who executed the command the previous time to re-execute the command. If the user who executed the command the previous time (HADB user) has already been deleted, create an HADB user with the same authorization identifier and password, and re-grant access privileges for the table.

- As another user who has REBUILD INDEX privilege for the target table, execute the abdidxrebuild command with the --force option specified. If the suspended command is the adbimport command with background import applied (-b option specified), executing the abdidxrebuild command with the --force option deletes stored information for table data that was being processed by the adbimport command. In this case, wait for the abdidxrebuild command to complete, and then re-execute the suspended adbimport command with the -b option specified.

- If *bb....bb* is other than the above

Eliminate the cause of the error based on the message that was output immediately prior to this message. Then, execute the abdidxrebuild command with the --force option specified. If the suspended command is the adbimport command with background import applied (-b option specified), executing the abdidxrebuild command with the --force option deletes stored information for table data that was being processed by the adbimport command. In this case, wait for the abdidxrebuild command to complete, and then re-execute the suspended adbimport command with the -b option specified.

■ If *aa....aa* is **Unarchive-chunk**:

- If *bb....bb* is running authorization identifier
Take one of the following corrective actions:
 - To resume the previous command execution, ask the user who executed the command the previous time to re-execute the command. If the user who executed the command the previous time (HADB user) has already been deleted, create an HADB user with the same authorization identifier and password, and re-grant access privileges for the table.
 - As another user who has UNARCHIVE CHUNK privilege for the target table, execute the `adbunarchivechunk` command with the `--force` option specified.
- If *bb....bb* is other than the above
Eliminate the cause of the error based on the message that was output immediately prior to this message. Then, execute the `adbunarchivechunk` command with the `--force` option specified.

KFAA50289-E

An error occurred with the output of the error data file. (reason = *aa....aa*) (M)

An error was detected in input data, but data cannot be output to the error data file for reason *aa....aa*.

aa....aa: Reason code

- `ROW_LENGTH`: The length of the error data exceeds 32 KB or the record definition length.

S:

Terminates processing.

Action:

Find the relevant data in the input data file based on the messages output prior to this message regarding logical errors in input data output, and then correct the error.

KFAA50290-E

The command cannot be executed because of a conflict with a locked resource. (M)

The command cannot be executed because of contention over a locked resource to be used.

S:

Terminates processing.

Action:

Determine the name of the locked resource in the KFAA40005-E message output to the message log file, wait for all processing that uses the locked resource to terminate, and then re-execute the command.

For details about locked resources acquired by SQL statements and commands, see *Locking* in the *HADB Setup and Operation Guide*.

KFAA50291-W

Cost-information-collection processing was skipped for the "aa....aa"."bb....bb" table.(reason = "cc....cc") (M)

Cost information collection processing was skipped for table aa....aa.bb....bb. Possible causes are as follows:

- The adbimport command terminated abnormally.
- The adbidxrebuild command terminated abnormally.
- The adbunarchivechunk command terminated abnormally.
- An index is in unfinished status because it was defined after data had been stored in the table.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc: Reason for skipping the processing:

- The adbimport command has not been re-executed.
- The adbidxrebuild command has not been re-executed.
- The adbunarchivechunk command has not been re-executed.
- No indexes have been created.

S:

Continues processing.

Action:

- If *cc....cc* is other than No indexes have been created.

Re-execute the command that terminated abnormally, and then use the adbgetcst command to collect cost information.

- When *cc....cc* is No indexes have been created.

Release the indexes from unfinished status, and then use the adbgetcst command to collect the cost information.

For details about how to release the B-tree index from unfinished status, see *Steps to take when unfinished status is applied to a B-tree index* in the *HADB Setup and Operation Guide*.

For details about how to release the text index from unfinished status, see *Steps to take when unfinished status is applied to a text index* in the *HADB Setup and Operation Guide*.

For details about how to release the range index from unfinished status, see *Steps to take when unfinished status is applied to a range index* in the *HADB Setup and Operation Guide*.

When you execute the adbgetcst command, use the -t option to specify the name of the table for which cost information collection processing was skipped.

KFAA50292-E

No table is defined for the "aa....aa" schema, or no schema exists. (M)

No base table is defined in schema *aa....aa* or the schema is undefined.

aa....aa:

Schema name

S:

Terminates processing.

Action:

Check if base tables are defined in the schema or if the schema is defined.

KFAA50293-E

An error occurred while accessing the system table. (M)

An error occurred while accessing a system table.

S:

Terminates processing.

Action:

Eliminate the cause of the error based on the messages that were output prior to this message. Then, re-execute the command.

KFAA50294-E

No chunk ID was specified in the *aa* option. (M)

The chunk ID specified in the *aa* option does not exist in the target table.

aa:

Option name

S:

Terminates processing.

Action:

Specify a chunk ID that exists in the target table in the *aa* option, and then re-execute the command.

KFAA50295-E

A chunk to be deleted exists. (M)

There is a chunk that is being deleted.

S:

Terminates processing.

Action:

Use the PURGE CHUNK statement to delete all delete-pending chunks, and then re-execute the command.

KFAA50296-E

Fewer than two chunk IDs are specified for the -c option. (M)

Fewer than two chunk IDs are specified in the -c option.

S:

Terminates processing.

Action:

Specify two or more chunk IDs in the -c option, and then re-execute the command. If this message was output even though two or more chunk IDs were specified in the -c option, specify two or more chunk IDs that exist in the target table, and then re-execute the command.

KFAA50297-E

Only one valid chunk ID is defined. (M)

Only one chunk ID exists in the target table. Therefore, there is no need to execute the `adbmergechunk` command to merge chunks.

S:

Terminates processing.

KFAA50298-E

The specified table "aa....aa"."bb....bb" is not a multi-chunk table. (M)

The specified table "aa....aa" . "bb....bb" is not a multi-chunk table.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Terminates processing.

Action:

Specify a multi-chunk table, and then re-execute the command.

KFAA50299-E

The chunk status or archive status of the specified chunk ID is mixed. (M)

The `adbmergechunk` command cannot be executed due to either of the following causes:

- Chunks in different statuses are to be processed by the `adbmergechunk` command.
- Of the chunks to be processed by the `adbmergechunk` command, some chunks are archived but other chunks are not archived.

This message is output, for example, in the following cases:

- Chunks in the normal status and chunks in the wait status are to be processed by the `adbmergechunk` command.
- Archived chunks and chunks released from archived state are to be processed by the `adbmergechunk` command.

S:

Terminates processing.

Action:

Check the status of the chunks and whether they are archived. Match the status of the chunks and their archive state, and then re-execute the `adbmergechunk` command.

KFAA50300-E

A system call error occurred. (func = "aa....aa", errno = bb....bb) (M)

An error has occurred in system call *aa....aa*.

aa....aa:

Name of system call in which the error occurred

bb....bb:

Error number

S:

Terminates processing. However, in the case of temporary errors, the system might retry the operation.

Action:

Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

The following table describes the major system call errors and corrective actions to take.

No	Error details			Possible causes	Corrective actions to take		
	System call name	Error number					
		In Linux	In Windows				
1	accept	23 24	--	<ul style="list-style-type: none"> Too many files are opened or too many connections have been established to the HADB server. The maximum number of descriptors is too small. 	<ul style="list-style-type: none"> Terminate unnecessary processes. Reduce the number of connections to the HADB server. Use the kernel parameters <code>nofile</code> and <code>file-max</code> to increase the maximum number of descriptors.^{# 1} Reduce the number of DB areas. 		

No	Error details			Possible causes	Corrective actions to take		
	System call name	Error number					
		In Linux	In Windows				
2	bind	98	--	<ul style="list-style-type: none"> The port number used for accepting a connection is being used by another process. 	<ul style="list-style-type: none"> Change the specified port number. Terminate the other process that is using the same port number. 		
3	connect	99	10055	<ul style="list-style-type: none"> The local ports are busy. 	<ul style="list-style-type: none"> Wait for a local port to be available. Terminate another process that is performing communication. Use the kernel parameter <code>ip_local_port_range</code> or the Windows command <code>netsh</code> to expand the range of temporary ports assigned by the OS.^{#1} 		
4		101 110 113	10049 10051 10060 10065	<ul style="list-style-type: none"> An invalid connection destination is specified. The destination host does not exist. The specified host name has been resolved to an incorrect IP address. A communication path failure occurred.^{#2} 	<ul style="list-style-type: none"> Make sure that the connection destination is specified correctly. Connect the destination host to the network. Check the DNS or <code>hosts</code> file settings. Alternatively, specify the IP address for the host name. Check whether a communication path failure occurred. 		
5	readv recv	101 110 113	10060	<ul style="list-style-type: none"> A communication path failure occurred.^{#2} The network configuration or network settings are changed. 	<ul style="list-style-type: none"> Check whether a communication path failure occurred. Check the physical configuration and settings of the network. 		
6		104	10054	<ul style="list-style-type: none"> The remote party process terminated forcibly. The remote party detected a problem such as a communication timeout or error, and explicitly and forcibly disconnected communications. The application program has not explicitly disconnected the connection with the HADB server before termination of the process. Communications were blocked as a result of a communication path failure or similar failure.^{#2} <p>After that, attempts to transfer the same transmission packet were made several times. However, no response was received from the other side of communication, so the OS has reset this communication.</p> <p>At this time, the connection might remain at the communication destination. However, this connection will be terminated after some time has passed.</p>	<ul style="list-style-type: none"> If an HADB server terminated forcibly, restart it. If an HADB server in a multi-node configuration terminated forcibly, restart that HADB server. If the remote party is an HADB server in a multi-node configuration in which another HADB server is running, wait a while, and then reconnect to the HADB server in the multi-node configuration. If the remote party is an HADB client, re-establish a connection from the HADB client to the HADB server. Revise the values of timer monitoring operands specified on the remote party. For example, revise the values of the <code>adb_rpc_wait_time</code> operand in the server definition and <code>adb_clt_rpc_sql_wait_time</code> operand in the client definition. Check the message log file on the remote party. Take corrective action for the output error message. Revise the contents of application program processing. If the processing to disconnect the HADB server is not specified, add that processing. 		

No	Error details			Possible causes	Corrective actions to take		
	System call name	Error number					
		In Linux	In Windows				
					<ul style="list-style-type: none"> To immediately disconnect the remaining connection on the HADB server, use the command <code>adbls</code> to investigate the connection status. After that, disconnect the unnecessary connection by using the command <code>adbcancel</code>. If communications are frequently reset as a result of the communication path being blocked, identify the location of the blockage in the communication path, and eliminate the cause of the failure. 		
7	socket	23 24	10024	<ul style="list-style-type: none"> Too many files are open or too many connections have been established with the HADB server. The maximum number of descriptors is too small. 	<ul style="list-style-type: none"> Terminate unnecessary processes. Reduce the number of connections to the HADB server. Use the kernel parameters <code>nofile</code> and <code>file-max</code> to increase the maximum number of descriptors.^{#1} 		
8	writenv send	32 104	10054	<ul style="list-style-type: none"> The remote party process terminated forcibly. The remote party detected a problem such as a communication timeout or error, and explicitly and forcibly disconnected communications. Communications were blocked as a result of a communication path failure or similar failure.^{#2} After that, attempts to transfer the same transmission packet were made several times. However, no response was received from the other side of communication, so the OS has reset this communication. At this time, the connection might remain at the communication destination. However, this connection will be terminated after some time has passed. 	<ul style="list-style-type: none"> If an HADB server terminated forcibly, restart it. If an HADB server in a multi-node configuration terminated forcibly, restart that HADB server. If the remote party is an HADB server in a multi-node configuration in which another HADB server is running, wait a while, and then reconnect to the HADB server in the multi-node configuration. If the remote party is an HADB client, re-establish a connection from the HADB client to the HADB server. Revise the values of timer monitoring operands specified on the remote party. For example, revise the values of the <code>adb_rpc_wait_time</code> operand in the server definition and <code>adb_clt_rpc_sql_wait_time</code> operand in the client definition. Check the message log file on the remote party. Take corrective action for the output error message. To immediately disconnect the remaining connection on the HADB server, use the command <code>adbls</code> to investigate the connection status. After that, disconnect the unnecessary connection by using the command <code>adbcancel</code>. If communications are frequently reset as a result of the communication path being blocked, identify the location of the blockage in the communication path, and eliminate the cause of the failure. 		

No	Error details			Possible causes	Corrective actions to take		
	System call name	Error number					
		In Linux	In Windows				
9		101 110 113	10060 10065	<ul style="list-style-type: none"> A communication path failure occurred.^{#2} The network configuration or network settings are changed. 	<ul style="list-style-type: none"> Check whether a communication path failure occurred. Check the physical configuration and settings of the network. 		

#1

For details, see the OS documentation.

#2

The following shows examples of communication path failures.

- A cable is removed or disconnected.
- A stop or error of the network interface (NIC) is detected.
- A firewall blocks communications (including a case in which packets are discarded without notice).
- Power supply to the communication equipment is turned off.
- The communication equipment failed.
- Packets delayed or disappeared due to concentration of traffic or for other reasons.
- The destination host cannot respond because it is busy.

KFAA50301-E

A communication error occurred. (reason = "aa....aa", operation = "bbbb") (M)

A communication error has occurred.

aa....aa: Cause of the error

- message: A message error
- netdown: Network failure
- resource: Insufficient system resources
- timeout: Timing out

bbbb: Operation at time error occurred

- cnct: Connection acceptance
- recv: Reception
- send: Transmission

S:

Terminates processing.

Action:

Take the corrective action for the cause of the error displayed for *aa....aa*.

- If the cause of the error is message:

Establish a connection to the HADB server from the HADB client. If you are using a product other than the HADB client or performing communication directly to the HADB server from the user program, use the HADB client.

If you are not aware of the connection to the HADB server, communications by a malicious third party are suspected. Consider countermeasures, such as identification of the remote party, and security measures.

▪ **If the cause of the error is netdown:**

If the remote party is an HADB server on another node, check the settings, such as the communication line, server process status, and message log.

If the remote party is an HADB client or a program (a product other than HADB or a user program) that performs communications without using the HADB communication function, no action is required for the HADB server. In this case, the possible causes of error are as follows.

- The HADB client forcibly disconnected communications due to detection of a timeout or error.
- A process on the client forcibly terminated for some reason. This occurs if, for example, the `adbsql` command is forcibly terminated by pressing the **Ctrl + C** keys.
- Processing of the application program is specified to terminate the application without explicitly disconnecting the connection with the HADB server.
- A server monitoring tool or a malicious third party might have scanned the HADB server port.

Take action such as notifying the persons who execute the application program or security measures according to the cause of the error.

▪ **If the cause of the error is resource:**

Take one of the corrective actions:

- Reduce the number of concurrent connections for the application program or command.
- Increase the maximum number of concurrent connections specified for the `adb_sys_max_users` operand in the server definition.

▪ **If the cause of the error is timeout:**

Carefully review the value specified in the `adb_rpc_wait_time` operand in the server definition. For details about the `adb_rpc_wait_time` operand, see the topic *Operands related to status monitoring (set format)* in *Detailed descriptions of the server definition operands* in *Designing the Server Definition* in the *HADB Setup and Operation Guide*.

If you want to permanently maintain communications to use connection pooling, specify 0 for the `adb_rpc_wait_time` operand in the server definition. However, if 0 is specified, the HADB server does not perform forced disconnection based on the elapsed time for any other communications. This might allow a malicious third party to continue unauthorized connections. Therefore, if you specify 0 for the `adb_rpc_wait_time` operand in the server definition, periodically monitor for suspicious connections.

KFAA50303-E

The host IP address cannot be obtained. (reason = "aa....aa", host name = "bb....bb") (M)

The IP address cannot be acquired.

aa....aa: Descriptive text that indicates the cause of the error acquired by the `gai_strerror` function

The language of the descriptive text that is output depends on the locale.

bb...bb:

Target host name for name resolution

S:

Terminates processing.

Action:

Carefully review the network settings based on *aa....aa*.

If the host name contains an error, correct the host name.

KFAA50304-E

The data cannot be sent because its total size exceeds 2 gigabytes. (M)

The total length of the transmission data exceeds 2 GB, so the data cannot be transmitted.

S:

Terminates processing.

Action:

Carefully review the number of batch transfer lines, and then reduce the amount of data to be transferred at once.

KFAA50305-E

The *aa....aa bb....bb* operation failed. (name = "cc....cc") (M)

The *bb....bb* operation on *aa....aa* has failed.

aa....aa: Operation target

- *file*: A file
- *port*: A port

bb....bb: Operation type

- *bind*: Binding to socket
- *delete*: Deletion

cc....cc:

The name of the operation target (if a port, the port number)

S:

Terminates processing.

Action:

Eliminate the cause of the error based on the messages that were output prior to this message. Then, retry the operation.

KFAA50306-E

The destination host closed the connection. (M)

The destination host closed the connection.

S:

Terminates processing.

Action:

In the case of an HADB client or a command, re-establish a connection.

If this message is output while the node is returning to the multi-node configuration, take action by referring to the message that is output after this message.

For other cases, no action is required.

KFAA50307-E

A connection request will be rejected because it is from a remote party without permission to connect to this HADB server. (IP = "aa....aa", port = bb....bb) (M)

The connection request will be rejected because the request is issued from a remote party that is not permitted to connect to this HADB server.

aa....aa:

IP address of the remote party whose connection request is rejected

bb....bb: Port number of the remote party whose connection request is rejected

If 0 is displayed, no ports are used because the communication is UNIX domain communication with the HADB client on the same server machine as this HADB server.

S:

Disconnects communications.

Action:

- If the remote party is an HADB client

An HADB client whose version differs from that of the HADB server cannot connect to the HADB server. Ask the HADB client's administrator to use an HADB client whose version matches that of the HADB server.

- If the remote party is an HADB server on another node

Match the HADB server versions on the nodes.

KFAA50308-E

The connection will be disconnected. (IP = "aa....aa", port = bb....bb, reason = "cc....cc") (M)

The connection will be disconnected.

aa....aa:

IP address of communication target

bb....bb: Port number of the communication target

0 indicates that no ports are used because UNIX domain communication within the same host is specified.

cc....cc: Reason connection was disrupted

- *not alive*: A communication API control timeout returned from a function such as `KeepAlive` was detected.
- *no DB-CONNECT request*: A timeout occurred while waiting for a DB connection request.

S:

Disconnects the connection.

Action:

- If *cc....cc* is *not alive*
If this message is output by the application, reconnect.
If this message is output by the HADB server, no action is necessary.
- If *cc....cc* is *no DB-CONNECT request*
A communications delay, network disruption, or an unauthorized connection from a non-HADB product might have occurred.
First, check the network load and whether a failure has occurred. If either of these is the cause, wait for the situation to recover.
If this error occurs when there is no problem with the network and there is a connection from an IP address that is not authorized to connect, consider security countermeasures such as blocking such connections with a firewall. If the connection is directly to an HADB server via the Internet, it might be an attack from a malicious third party, so such security measures are necessary. In these cases, we normally recommend that you operate so that connections to the HADB server originate only from an application server installed behind a firewall, or a similar secure setup.

KFAA50309-E

An API error occurred during communications processing. (func = *aa....aa*, error = *bb....bb*, cause = *cc....cc*, details = "*dd....dd*") (M)

An API error occurred during communications processing.

aa....aa: Name of the API method where the error occurred

This is output in the form *class-name#method-name*.

bb....bb:

Name of the exception class thrown by the API method

cc....cc: Name of the exception class that indicates the cause of the error

Outputs `null` if there is no cause or if the cause is unknown.

dd....dd:

Detail message regarding the cause of the error

S:

Terminates processing.

Action:

Determine the cause of the error based on the name of the exception class and the detail message, and then take corrective action.

KFAA50310-E

The host name "*aa....aa*" was converted to an IP address of an unsupported protocol. (M)

The host name *aa....aa* was converted to the IP address of an unsupported protocol.

aa....aa:

Host name

S:

Terminates processing.

Action:

Specify an IPv4 host name.

KFAA50311-E

A valid IP address on the local host cannot be found. (M)

No valid IP address can be found on the local host.

S:

Terminates processing.

Action:

Set an IPv4 address that is not a loopback address for the network interface, and then enable that network interface.

KFAA50313-I

The *aa....aa* cannot communicate with the remote host "*bb....bb*":*cc....cc*. (operation = "*dd....dd*") (M)

aa....aa cannot communicate with the remote host "*bb....bb*":*cc....cc*.

aa....aa: Program that output this message

- HADB server: HADB server
- HADB client: HADB client or command
- HADB JDBC Driver: HADB JDBC driver

bb....bb:

IP address of the communication target

cc....cc: Port number of the communication target

0 indicates that no ports are used because UNIX domain communication within the same host is specified.

dd....dd: Operation where a communication error occurred

- connect: Communication establishment

S:

Continues processing.

Action:

Identify the cause of the problem and where it occurred based on the communication-target information indicated in this message (and error messages output before and after it). Then, take corrective action.

KFAA51000-I

The HADB server has received an SQL statement. (SQL statement = "aa....aa", connection information = bb....bb, SQL serial number = cc....cc) (M)

The HADB server received SQL statement *aa....aa*.

aa....aa: Specified SQL statement

Only the first 2,048 bytes of the SQL statement is output.

bb....bb:

Connection information

cc....cc:

Sequence number of the SQL statement after the connection is established

S:

Continues processing.

KFAA51001-E

The transaction was rolled back because an SQL error occurred. (M)

The transaction was rolled back because an SQL error occurred.

S:

Terminates processing.

KFAA51002-E

The transaction was rolled back because an SQL error was detected during transaction commit processing. (M)

The transaction was rolled back because an SQL error was detected during transaction commit processing.

S:

Terminates processing.

KFAA51003-I

The transaction isolation level was set. (isolation level = "aa....aa") (M)

The transaction isolation level has been set to *aa....aa*.

aa....aa: The transaction isolation level that was set

- READ COMMITTED
- REPEATABLE READ

S:

Continues processing.

KFAA51005-I

An error occurred during processing of the SQL statement "*aa....aa*". (connection information = *bb....bb*, SQL serial number = *cc....cc*) (M)

An error occurred during SQL statement processing.

aa....aa: Specified SQL statement

Only the first 2,048 bytes of the SQL statement is output.

bb....bb:

Connection information

cc....cc:

Sequence number of the SQL statement after the connection is established

S:

Continues processing.

Action:

Take corrective action based on the message that was output immediately after this message.

KFAA51006-I

The transaction access mode was set. (access mode = "*aa....aa*") (M)

A transaction access mode was set.

aa....aa: Transaction access mode that was set

- READ WRITE: Read/write mode
- READ ONLY: Read-only mode

S:

Continues processing.

KFAA51007-E

An error occurred on a different node. (node number = *aa....aa*, error message = "*bb....bb*") (M)

An error occurred in another node.

aa....aa:

Node number of the transmission target

bb....bb:

Error message for the error that occurred

S:

Continues processing.

Action:

Take the corrective action based on the message indicated by *bb....bb* for the HADB server for the node on which the error occurred.

KFAA51008-E

There is no slave node to which the connected HADB client can reconnect. (reason = *aa....aa*) (M)

There is no slave node to which the connected HADB client can reconnect.

aa....aa:

Cause of the error

S:

Terminates processing.

Action:

Take one of the following actions depending on the cause of the error that was output.

No.	<i>aa....aa</i> display	Cause of the error	Action
1	no global IP address	There is no slave node that has been assigned a global IP address.	Assign global IP addresses to all nodes. Alternatively, check the operating method and, if necessary, revise it so that there are no direct connections from external networks.

KFAA51009-E

A connection from the remote party "*aa....aa*" to the port for communications between HADB servers was detected, but this remote party is not an HADB server. (M)

A connection from a remote party that is not an HADB server to the HADB server-dedicated communication port was detected.

aa....aa:

IP address of remote party

S:

Disconnects communications.

Action:

If the remote party is an HADB client, configure it to connect to the port specified in the server definition's `adb_rpc_port` operand.

There is no specific action to take in response to an unauthorized remote party.

KFAA51010-W

An error occurred during processing of the SQL trace. (reason = *aa....aa*, file = *bb....bb*) (M)

An error occurred during processing of the SQL tracing file *bb....bb* because of *aa....aa*.

aa....aa:

Cause of the error

bb....bb:

SQL trace file name, or name of the file that manages file numbers of SQL trace files

S:

Terminates output of SQL trace information. Execution of the SQL statement continues.

Action:

Take corrective action depending on the cause of the displayed error.

No.	Display of <i>aa....aa</i>	Description	Corrective action to take
1	the SQL trace file disk is full	An attempt to write to the SQL trace file or the file that manages SQL trace file numbers failed because the disk was full.	Allocate sufficient free space on the disk that stores the SQL trace file or the file that manages SQL trace file numbers. Then, execute the <code>adbchgsqltrc</code> command with the <code>-s</code> option specified.
2	the SQL trace file could not be opened because there was no write permission	An attempt to open the SQL trace file or the file that manages SQL trace file numbers failed because there was no write privilege for these files.	Grant write privileges for the SQL trace file or the file that manages SQL trace file numbers. Then, execute the <code>adbchgsqltrc</code> command with the <code>-s</code> option specified.
3	the SQL trace file could not be opened because there was no read permission	An attempt to open the file that manages SQL trace file numbers failed because there was no read privilege for this file.	Grant read privileges for the file that manages SQL trace file numbers. Then, execute the <code>adbchgsqltrc</code> command with the <code>-s</code> option specified.
4	the SQL trace file could not be opened because the file descriptor was insufficient	An attempt to open the SQL trace file or the file that manages SQL trace file numbers failed because the file descriptor was insufficient.	Close any files that can be closed. Then, execute the <code>adbchgsqltrc</code> command with the <code>-s</code> option specified.
5	<code>errno cc....cc</code>	The error number is <i>cc....cc</i> .	Check the displayed error number in the OS documentation, and then eliminate the cause of the error. Then, execute the <code>adbchgsqltrc</code> command with the <code>-s</code> option specified. If you cannot determine the corrective action to take based on the displayed error number, execute the <code>theadbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.

KFAA51011-W

An error occurred during processing of the SQL trace because memory is insufficient. (required memory = *aa....aa*) (M)

Memory was insufficient during processing of SQL trace information.

aa....aa:

Amount of requested memory when the error occurred (bytes)

S:

Terminates output of SQL trace information. Execution of the SQL statement continues.

Action:

See the KFAA40007-E message that was output immediately prior to this message, and then take corrective action. Then, execute the `adbchgsqltrc` command with the `-s` option specified.

KFAA51012-E

The number of client groups in the server definition is invalid. (M)

The number of client groups specified in the server definition is invalid.

S:

Terminates processing.

Action:

The number of `adbcltgrp` operands in the server definition exceeds *value-specified-for-the-adb_sys_max_users-operand-in-server-definition* + 1.

Reduce the number of `adbcltgrp` operands in the server definition, and then retry the operation.

KFAA51013-E

A value specified for the *aa* option in the client group (*bb....bb*) is invalid. (M)

The value specified for the *aa* option in the client group *bb....bb* is invalid.

aa:

Option name of the `adbcltgrp` operand in the server definition

bb....bb:

Client group name or command group name

S:

Terminates processing.

Action:

Check the value specified for the following options. Then, retry the operation.

- If *aa* is `-u`

- If *bb....bb* indicates a group name

The value specified for the *-u* option is greater than the value of the *-m* option of the `adbcltgrp` operand in the server definition. Change the value specified for the *-u* option to be equal to or less than the value specified for the *-m* option.

- If *bb....bb* does not indicate a group name

In the server definition, the sum of the values specified for *-u* options of the `adbcltgrp` operands exceeds the value specified for the `adb_sys_max_users` operand. Change the value specified for the *-u* option of each `adbcltgrp` operand so that the sum of the values specified for the *-u* options does not exceed the value of the `adb_sys_max_users` operand in the server definition.

• **If *aa* is *-e***

- If *bb....bb* indicates a group name

The value specified for the *-e* option is greater than the value of the *-r* option of the `adbcltgrp` operand in the server definition. Change the value specified for the *-e* option to be equal to or less than the value specified for the *-r* option.

- If *bb....bb* does not indicate a group name

In the server definition, the sum of the values specified for *-e* options of the `adbcltgrp` operands exceeds the value specified for the `adb_sys_rthd_num` operand. Change the value specified for the *-e* option of each `adbcltgrp` operand so that the sum of the values of the *-u* options does not exceed the value of the `adb_sys_rthd_num` operand in the server definition.

For details about the value specification for each option, see the description of the `adbcltgrp` operand in *Operands and options related to the client-group facility (command format)* in *Detailed descriptions of the server definition operands* in *Designing the Server Definition* in the *HADB Setup and Operation Guide*.

KFAA51014-E

The authorization identifier "*aa....aa*" has already been specified for the *-i* option of the same `adbclientmang` operand or a different `adbclientmang` operand. (M)

The same authorization identifier is specified more than once for the *-i* option of the `adbclientmang` operand in the client-managing definition.

Alternatively, the same authorization identifier is specified for *-i* options of `adbclientmang` operands in multiple client-managing definitions.

aa....aa:

Authorization identifier that is specified more than once

S:

Terminates processing.

Action:

Correct the authorization identifier specified more than once for the *-i* option of the `adbclientmang` operand in the client-managing definition.

If this message is output when the HADB server starts, restart the HADB server.

If this message is output during execution of the `adbclientdefmang` command, re-execute the `adbclientdefmang` command.

KFAA51015-E

More than 30,000 authorization identifiers have been specified for the adbclientmang operand. (M)

The sum of the number of authorization identifiers specified for the adbclientmang operand in the client-managing definition exceeds 30,000.

S:

Terminates processing.

Action:

Reduce the number of authorization identifiers specified for the -i option of the adbclientmang operand in the client-managing definition to 30,000 or less.

If this message is output when the HADB server starts, restart the HADB server.

If this message is output during execution of the adbclientdefmang command, re-execute the adbclientdefmang command.

KFAA51016-E

The authorization identifier "aa....aa" specified for the -i option of the adbclientmang operand is invalid. (reason = bb....bb) (M)

The authorization identifier specified for the -i option of the adbclientmang operand in the client-managing definition is invalid.

aa....aa:

Invalid authorization identifier

bb....bb:

Message text that indicates the cause of the error

Message text beginning with KFAA3 is output. This message is output if an invalid authorization identifier is specified during connection to the HADB server.

S:

Terminates processing.

Action:

Correct the specification of the authorization identifier indicated by *aa....aa* according to the corrective action for the message indicated by *bb....bb*.

If this message is output when the HADB server starts, restart the HADB server.

If this message is output during execution of the adbclientdefmang command, re-execute the adbclientdefmang command.

KFAA51017-E

Processing to update the client-managing information failed, because *aa....aa*. (M)

Processing to update the client-managing definition information failed.

aa....aa:

Cause of update processing failure

S:

Terminates processing.

Action:

Take corrective action according to the cause of update processing failure displayed for *aa....aa*.

No.	Information displayed for <i>aa....aa</i>	Description	Corrective action to take
1	the DBA privilege is required to execute the <code>adbclientdefmang</code> command	An authorization identifier that has no DBA privileges is specified for the <code>-u</code> option of the <code>adbclientdefmang</code> command.	Specify an authorization identifier that has the DBA privilege for the <code>-u</code> option, and then execute the <code>adbclientdefmang</code> command.
2	an authorization identifier specified for the <code>-i</code> option is invalid	The authorization identifier specified for the <code>-i</code> option of the <code>adbclientdefmang</code> command is invalid.	You can determine the cause of the specification error in the <code>-i</code> option by checking the message that was output immediately prior to this message. Specify the correct authorization identifier for the <code>-i</code> option, and then execute the <code>adbclientdefmang</code> command.
3	the client-managing information does not match the information on other node (node number = <i>bb....bb</i>)	The client-managing information on the master node does not match that on the slave node. <i>bb....bb</i> indicates the node number of the slave node with inconsistent client-managing information.	Correct the client-managing information on the slave node indicated by <i>bb....bb</i> . Then, execute the <code>adbclientdefmang</code> command.

KFAA51018-E

The client-managing definition file is invalid. (reason = *aa....aa*) (M)

The information specified in the client management definition file is invalid.

aa....aa: Cause of the error

- an error occurred during the analysis of the client management definitions

An error occurred during analysis of client-managing definitions.

S:

Terminates processing.

Action:

Correct the information specified in the client management definition file according to the corrective action for the message that was output immediately prior to this message.

If this message is output when the HADB server starts, restart the HADB server.

If this message is output during execution of the `adbclientdefmang` command, re-execute the `adbclientdefmang` command.

KFAA51019-E

The client definition file "aa....aa" specified for the -f option of the adbclientmang operand is invalid. (reason = bb....bb) (M)

The client definition file specified for the -f option of the adbclientmang operand in the client-managing definition is invalid.

aa....aa:

Invalid client definition file name on the server

bb....bb:

Cause of the error

S:

Terminates processing.

Action:

Take the corrective action based on the cause of the error displayed for *bb....bb*.

No.	Information displayed for <i>bb....bb</i>	Description	Corrective action to take
1	the specified client definition file does not exist	The client definition file specified for the -f option does not exist.	Specify an existing client definition file for the -f option.
2	the specified client definition file name is invalid	The client definition file name specified for the -f option is invalid.	A directory path is specified for the client definition file name indicated by <i>aa....aa</i> . Move the client definition file to a location under the \$ADBDIR/conf directory, and specify only the file name of the client definition file for the -f option.
3	an error occurred during the analysis of the client definitions	An error occurred during analysis of the client definitions.	Correct the information specified in the client definition file indicated by <i>aa....aa</i> according to the corrective action for the message that was output immediately prior to this message.

If this message is output when the HADB server starts, restart the HADB server.

If this message is output during execution of the adbclientdefmang command, re-execute the adbclientdefmang command.

KFAA51111-W

The word specified for adb_sql_prep_delrsvd_words is not a reserved word that can be deleted. (word = *aa....aa*, definition type = *bb....bb*) (M)

The word specified in the operand adb_sql_prep_delrsvd_words is not a reserved word that can be unregistered.

aa....aa:

The word specified in the operand adb_sql_prep_delrsvd_words that is not a reserved word that can be unregistered

bb....bb: Location that specified the reserved word to be unregistered

- *server*: Server definition

S:

Continues processing.

Action:

Correct the word specified in the `adb_sql_prep_delsvd_words` operand.

KFAA51121-W

It might take a long time to execute the SQL statement because all chunks in the archive status are accessed. (archive table name = "*aa....aa*"."*bb....bb*") (M)

Processing of the SQL statement might require a long time because the executed SQL statement accesses data in all archived chunks. The archivable multi-chunk table to be accessed is "*aa....aa*"."*bb....bb*". <SQLSTATE: 01601>

aa....aa:

Authorization identifier of the archivable multi-chunk table

bb....bb:

Table identifier of the archivable multi-chunk table

S:

Continues processing.

Action:

Consider correcting the SQL statement so that archived chunks to be accessed can be narrowed down. For details, see *Considerations when searching an archivable multi-chunk table* in the *HADB Application Development Guide*.

If this message is output during execution of the `adbexport` command, consider the following corrective actions.

- When executing the `adbexport` command, specify the `-c` option (specify the chunks to be exported).
- When executing the `adbexport` command, specify the `-q` option (specify an SQL statement file).

If you specify an SQL statement file, specify the SQL statement so that archived chunks to be accessed can be narrowed down.

KFAA51130-W

A work table was created because a hash table area was insufficient. (`Hashtbl_path# = aa....aa`, `information1 = bb....bb`, `information2 = cc....cc`) (M)

A work table was created because a hash table area was insufficient.

aa....aa: Tree row number of the corresponding access path

If access path statistical information has not been output, 0 is displayed for the tree row number.

bb....bb:

Maintenance information 1

cc....cc:

Maintenance information 2

S:

Continues processing.

Action:

Execution of the SQL statement might require a long time. To reduce the execution time of the SQL statement, increase the value specified for the `adb_sql_exe_hashtbl_area_size` operand in the server definition or client definition.

If this message is output during execution of the `adbexport` command, increase the value specified for the `adb_export_hashtbl_area_size` export option or the `adb_sql_exe_hashtbl_area_size` operand in the server definition.

If you want to know about the work table that is created if the hash table area is insufficient, check the access path information shown in the location indicated by *aa....aa*. Also see the following parts in the *HADB Application Development Guide*:

- If hash join is used as the table joining method

Action to take when the hash table area has insufficient space in About hash join

- If hash execution is used as the subquery processing method

Hash execution in Methods for processing subqueries that do not contain an external reference column, or Hash execution in Methods for processing subqueries that contain an external reference column

- If global hash grouping is used as the grouping method

Global hash grouping in Hash grouping

- If hash execution is used as the method for processing `SELECT DISTINCT`

Hash execution in Method for processing SELECT DISTINCT

- If hash execution is used as the method for processing the set operation

Hash execution in Methods for processing set operations

KFAA51200-W

The DB area is undefined. (buffer = *aa....aa*, DB area = *bb....bb*) (M)

The DB area *bb....bb* specified in global buffer *aa....aa* does not exist. The specification of DB area *bb....bb* is ignored.

aa....aa:

Global buffer name

bb....bb:

DB area name

S:

Ignores the specification of this DB area and starts the HADB server.

Action:

Check the server definition's `adbbuff` operand, and then carefully review the DB area name specified with the `-n` option of global buffer *aa....aa*.

KFAA51202-W

The global buffer is invalid. (buffer = *aa....aa*) (M)

This global buffer will now be disabled because none of the DB areas specified in global buffer *aa....aa* exist.

aa....aa:

Global buffer name

S:

Ignores the specification of this global buffer and starts the HADB server.

Action:

- If the `-n` option is specified in the `adbbuff` server definition operand

Check the server definition's `adbbuff` operand, and then carefully review the DB area name specified with the `-n` option of global buffer *aa....aa*.

- If the `-o` option is specified in the `adbbuff` server definition operand

The global buffer for all DB areas is specified explicitly. If you do not need to specify the `-o` option, delete it.

KFAA51204-W

The table scan buffer specified for the global buffer will be made invalid. (buffer = *aa....aa*) (M)

The table scan buffer specified for the global buffer *aa....aa* is to be invalidated.

This message is output when a value of 12 or less is specified for the `-k` option of the `adbbuff` operand in the server definition, which defines the global buffer *aa....aa*.

aa....aa:

Global buffer name

S:

Ignores the specification of the global buffer and starts the HADB server.

Action:

The table scan buffer is invalidated when 12 or a value less than 12 is specified for the `-k` option of the `adbbuff` operand. For version **04-01** and later versions of the HADB server, we do not recommend using the `-k` option. To validate the table scan buffer, specify the `-v` option instead of the `-k` option. Then, restart the HADB server.

KFAA51210-E

The DB area is duplicated. (DB area = *aa....aa*) (M)

The DB area specified in the global buffer is duplicated.

aa....aa:

DB area name

S:

Stops the HADB server's start processing.

Action:

Check the specification of the server definition's `adbbuff` operand. The DB area name `aa....aa` specified in the `-n` option has been duplicated. After correcting the `adbbuff` operand specification, re-execute the `adbstart` command.

KFAA51212-E

The global buffer type is not specified. (buffer = `aa....aa`) (M)

The global buffer type has not been specified.

aa....aa:

Global buffer name

S:

Stops the HADB server's start processing.

Action:

Check the specification of the server definition's `adbbuff` operand. Specify either the `-n` or `-o` option for global buffer `aa....aa`. After correcting the `adbbuff` operand specification, re-execute the `adbstart` command.

KFAA51213-E

More than one type of global buffer cannot be specified. (buffer = `aa....aa`) (M)

Multiple global buffer types have been specified.

aa....aa:

Global buffer name

S:

Stops the HADB server's start processing.

Action:

Check the specification of the server definition's `adbbuff` operand. Both the `-n` and `-o` options have been specified for global buffer `aa....aa`. Specify one or the other. After correcting the `adbbuff` operand specification, re-execute the `adbstart` command.

KFAA51214-E

The specified name is invalid. (buffer = `aa....aa`, option = `b`, reason = `cc....cc`) (M)

The specified name is invalid.

aa....aa:

Global buffer name

b: Option with invalid specification

- *g*: Global buffer name
- *n*: DB area name

cc....cc: Cause of the error

- TOO LONG: The name is too long.
- INVALID CHARACTER: The syntax rule of the global buffer name or identifier is violated.

S:

Stops the HADB server's start processing.

Action:

Check the specification of the server definition's `adbbuff` operand. There is an error in the specification of either the global buffer name specified in the `-g` option, or the DB area name specified in the `-n` option. The cause of the error is displayed in place of *cc....cc*. Take one of the following actions to correct the `adbbuff` operand specification, and then re-execute the `adbstart` command:

- If *cc....cc* is TOO LONG
Carefully review the maximum length of each name to sure that names fit within their length ranges.
- If *cc....cc* is INVALID CHARACTER and *b* is *g*

Respecify the global buffer name by referencing *Operands and options related to global buffers (command format)* in *Detailed descriptions of the server definition operands* in *Designing the Server Definition* in the *HADB Setup and Operation Guide*.

- If *cc....cc* is INVALID CHARACTER and *b* is *n*
See *Specifying names* in the manual *HADB SQL Reference* and revise the specified DB area name.

KFAA51216-E

One global buffer cannot be specified for a DB area that has different page sizes. (buffer = *aa....aa*, DB area = *bb....bb*) (M)

A single global buffer cannot be assigned to DB areas with different page sizes.

aa....aa:

Global buffer name

bb....bb:

DB area name

S:

Stops the HADB server's start processing.

Action:

Check the specification of the server definition's `adbbuff` operand. The page sizes of the DB areas specified in the `-n` option of global buffer *aa....aa* are different. Make sure that the DB areas have the same page sizes. After correcting the `adbbuff` operand specification, re-execute the `adbstart` command.

KFAA51217-E

No global buffer can be specified. (buffer = *aa....aa*, DB area = *bb....bb*) (M)

A global buffer cannot be specified for DB area *bb....bb*.

aa....aa:

Global buffer name

bb....bb:

DB area name

S:

Stops the HADB server's start processing.

Action:

Check the specification of the server definition's `adbbuff` operand. Delete the specification of DB area *bb....bb* from the `adbbuff` operand specification. After correcting the `adbbuff` operand specification, re-execute the `adbstart` command.

KFAA51218-E

Specify a separate global buffer for the DB area. (buffer = *aa....aa*, DB area = *bb....bb*) (M)

Specify an independent global buffer for DB area *bb....bb*.

aa....aa:

Global buffer name

bb....bb:

DB area name

S:

Stops the HADB server's start processing.

Action:

Check the specification of the server definition's `adbbuff` operand. Only specify *bb....bb* as the DB area specified in global buffer *aa....aa*. After correcting the `adbbuff` operand specification, re-execute the `adbstart` command.

KFAA51221-E

An option specification is duplicated. (buffer = *aa....aa*, option = *b*) (M)

Option *b* has been duplicated.

aa....aa:

Global buffer name

b: Duplicated option

- ○: -○ option of the `adbbuff` operand

S:

Stops the HADB server's start processing.

Action:

Check the specification of the server definition's `adbbuff` operand. After you have corrected the `adbbuff` operand specification, re-execute the `adbstart` command.

KFAA51223-E

The `-k` option and the `-v` option in the server-defined `adbbuff` operand cannot both be specified at the same time.
(buffer = *aa....aa*) (M)

Either the `-k` option or the `-v` option, but not both, can be specified for the operand `adbbuff` in the server definition.

aa....aa:

Global buffer name

S:

Stops the HADB server's start processing.

Action:

Check the specification of the operand `adbbuff` in the server definition in which the global buffer name displayed in *aa....aa* is specified. We recommend specifying the `-v` option. In order to do so, delete the specification of the `-k` option. After you have corrected the specification of the operand `adbbuff`, re-execute the command `adbstart`.

KFAA51230-W

An invalid range index name is specified in the `adb_sql_rngidx_preread` operand (number = *aa....aa*). (M)

The range index name specified in the `adb_sql_rngidx_preread` operand (the *aa....aath* specification) is invalid.

aa....aa:

Position where invalid range index name is specified (where the highest-level specification is first)

S:

Ignores the specified value.

Action:

The syntax of the *aa....aath* range index name specification is incorrect. Check the following:

- That the range index name obeys the rules given in *Index name specification format* in *Qualifying a name* in the manual *HADB SQL Reference*.
- Whether the range index name has been specified without a schema name. (The schema name cannot be omitted from range index names specified in the `adb_rngidx_preread` operand.)
- That the range index name is correct. For details about how to check the range index names that have been defined, see *Searching a dictionary table* in the *HADB Setup and Operation Guide*.

KFAA51231-W

Pre-reading of the range index "aa....aa"."bb....bb" failed. (reason = cc....cc) (M)

Pre-reading of the range index "aa....aa". "bb....bb" has failed.

aa....aa:

Schema name

bb....bb:

Index identifier

cc....cc:

Cause of the error

S:

Suspends pre-reading of range index "aa....aa". "bb....bb" and continues with the next processing.

Action:

Take one of the following corrective actions based on the cause of the error that is output:

Cause of the error	Corrective action
The specified range index does not exist.	The range index specified in the server definition's <code>adb_sql_rngidx_preread</code> operand has not been defined. Check the defined range index name and correct the <code>adb_sql_rngidx_preread</code> operand specification. For details about how to check the range index names that have been defined, see <i>Searching a dictionary table</i> in the <i>HADB Setup and Operation Guide</i> .
The specified range index is already specified elsewhere.	A single range index name has been specified multiple times in server definition <code>adb_sql_rngidx_preread</code> operands. Delete the duplicate range index names.
The buffer size is insufficient.	There is not enough global buffer to pre-read the range index. Either the <code>-a</code> option (page count for global buffer dedicated to range indexes) has not been specified for the global buffer of the DB area where the range index is stored, or the <code>-a</code> option value is too small. Check the specification of the <code>-a</code> option of the <code>adbbuff</code> operand in the server definition. For details about the <code>-a</code> option of the <code>adbbuff</code> operand, see the topic <i>Operands and options related to global buffers (command format)</i> in <i>Detailed descriptions of the server definition operands</i> in <i>Designing the Server Definition</i> in the <i>HADB Setup and Operation Guide</i> . Use the following procedure to check the relevant global buffer: <ol style="list-style-type: none">1. Check the name of the DB area where the range index output in this message is stored. For details about how to check DB areas that store range indexes, see <i>Searching a dictionary table</i> in the <i>HADB Setup and Operation Guide</i>.2. Open the server definition file and search for the DB area name found in step 1. This determines which global buffer is involved.
The specified range index is in unfinished status.	The range index specified in the server definition's <code>adb_sql_rngidx_preread</code> operand is in unfinished status. Take one of the following corrective actions: <ul style="list-style-type: none">• Check and, if necessary, revise the value of the <code>adb_sql_rngidx_preread</code> operand• Use the <code>adbidxrebuild</code> command to rebuild the index.

KFAA51232-I

Pre-reading of the range index "aa....aa"."bb....bb" succeeded. (M)

Pre-reading of the range index "aa....aa". "bb....bb" was successful.

aa....aa:

Schema name

bb....bb:

Index identifier

S:

Continues processing.

KFAA51240-I

aa....aa chunks can be allocated for the "bb....bb" DB area. (M)

The remaining number of chunks that can be managed in the DB area *bb....bb* is *aa....aa*.

aa....aa:

Remaining number of chunks that can be managed in the DB area

bb....bb:

DB area name

S:

Continues processing.

KFAA51241-I

aa....aa chunks can be created for the "bb....bb"."cc....cc" table. (M)

The remaining number of chunks that can be created for the table "bb....bb"."cc....cc" is *aa....aa*.

aa....aa:

Remaining number of chunks that can be created for the table

bb....bb:

Schema name

cc....cc:

Table identifier

S:

Continues processing.

KFAA51242-I

A chunk was created. (chunk id = *aa....aa*) (M)

A chunk having chunk ID *aa....aa* was created.

aa....aa:

 Chunk ID

S:

 Continues processing.

KFAA51243-I

A chunk was deleted. (chunk id = *aa....aa*) (M)

The chunk having chunk ID *aa....aa* was deleted.

aa....aa:

 Chunk ID

S:

 Continues processing.

KFAA51244-I

A chunk in the wait status was created. (chunk id = *aa....aa*) (M)

A chunk that is in wait status was created.

aa....aa:

 Chunk ID of the chunk that is in wait status

S:

 Continues processing.

KFAA51245-E

Chunks cannot be allocated because the "*aa....aa*" DB area requires more chunks. (required number of chunks = *bb....bb*) (M)

The maximum number of chunks that can be managed in the data DB area *aa....aa* was exceeded by *bb....bb*. Therefore, a table or index cannot be defined in this data DB area. Another possibility is that the maximum number of chunks cannot be changed for the table.

aa....aa:

 DB area name

bb....bb:

 The number of chunks exceeding the maximum that can be managed in the DB area

S:

 Invalidates this transaction.

Action:

Following this message, a message is output regarding the processing in which allocation of the maximum number of chunks has failed. Take the appropriate action according to that message.

KFAA51246-E

Chunks cannot be created because the "*aa....aa*".*"bb....bb"* table exceeds max number of chunks. (max = *cc....cc*) (M)

No more chunk can be created because the maximum number of chunks specified when the table "*aa....aa*".*"bb....bb"* was defined has been reached.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc:

Maximum number of chunks specified for the chunk specification in the CREATE TABLE statement

S:

Invalidates this transaction.

Action:

Take the appropriate action by referencing *Problems related to the background-import facility* in *Troubleshooting in the HADB Setup and Operation Guide*.

KFAA51247-I

Processing to delete chunks in the table ("*aa....aa*".*"bb....bb"*) was skipped, because a SQL statement or a command was referencing the table and NOWAIT was specified for the --purge-chunk option of the adbmergechunk command. (M)

An SQL statement or a command is referencing the table "*aa....aa*".*"bb....bb"*. Processing to delete the merge-source chunks was skipped because the adbmergechunk command was executed with NOWAIT specified for the --purge-chunk option.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

Action:

See the corrective action for the KFAA96785-E message.

KFAA51253-E

The system logfile was created by a later version. (E+M)

There is a user log file that was created by a later version.

S:

Stops the HADB server's start processing.

Action:

Upgrade the HADB server to the later version used the last time the HADB server started normally. After that, start the HADB server.

If the HADB server still does not start, even after it has been upgraded, restore the database from its backup.

KFAA51260-E

The adbmodbuff command is being executed. (M)

Another instance of the `adbmodbuff` command cannot be executed because an `adbmodbuff` command is already executing.

S:

Terminates processing.

Action:

Multiple `adbmodbuff` commands cannot be executed concurrently. Wait for the `adbmodbuff` command that is executing to terminate, and then execute the next `adbmodbuff` command.

KFAA51270-E

The path of the input data file of the system-defined function *aa....aa* is invalid. (reason = *bb....bb*, file = *cc....cc*) (M)

An error occurred during check of the path name of the file that will be the input data of the system-defined function *aa....aa*.

aa....aa: System-defined function name

- ADB_AUDITREAD
- ADB_CSVREAD

bb....bb: Cause of the error

- INVALID PATH FORMAT: The specification format of the path name is invalid.
- LENGTH ERROR: The specified path name is too long.
- INVALID PATH: The file of the specified path cannot be used as the input data of the system-defined function.

cc....cc: Path name of the file in which the error occurred

If the path name of the file cannot be acquired, an asterisk (*) is displayed.

S:

Invalidates this transaction.

Action:

■ If *aa....aa* is ADB_AUDITREAD

- If *bb....bb* is INVALID PATH FORMAT

Specify the path name of the audit trail file by using an absolute path.

Also, make sure that the special character is correctly specified in the audit trail file path.

- If *bb....bb* is LENGTH ERROR

Reduce the length of the audit trail file path name (excluding leading and trailing spaces) to 1,024 bytes or less.

If the audit trail file path name contains a special character, reduce the length of the target audit trail file path name to 1,024 bytes or less.

- If *bb....bb* is INVALID PATH

The path to the current audit trail file cannot be specified in the ADB_AUDITREAD function. Specify an audit trail file other than the current file.

■ If *aa....aa* is ADB_CSVREAD

- If *bb....bb* is INVALID PATH FORMAT

Specify the path name of the CSV file by using an absolute path.

- If *bb....bb* is LENGTH ERROR

Reduce the length of the CSV file path name (excluding leading and trailing spaces) to 510 bytes or less.

KFAA51271-E

The file format of the input data file of the system-defined function *aa....aa* is invalid. (file = *bb....bb*) (M)

The data format of the file containing the data to be input into the system-defined function *aa....aa* is invalid.

aa....aa: System-defined function name

- ADB_AUDITREAD
- ADB_CSVREAD

bb....bb:

Path name of the file with an invalid data format

S:

Invalidates this transaction.

Action:

■ If *aa....aa* is ADB_AUDITREAD

Make sure that the file indicated by *bb....bb* is either of the following files:

- Audit trail file
- Audit trail file that has been compressed by the OS's gzip command

■ If *aa....aa* is ADB_CSVREAD

Check the following sequentially:

- Make sure that the file indicated by *bb....bb* is a regular file.

- If GZIP is specified for the compression format option COMPRESSION_FORMAT, make sure that the file indicated by *bb....bb* satisfies either of the following conditions:
 - The file has been compressed by the OS's gzip command.
 - The file is a compressed file exported by using the adbexport command.
- If this message is output when you access an archivable multi-chunk table, the file indicated by *bb....bb* (archive file) has been corrupted. In this case, see *Recovering the database from the backup* in the *HADB Setup and Operation Guide*, and then recover the database.

KFAA51272-E

An error occurred in the input data file of the system-defined function ADB_CSVREAD. (reason = *aa....aa*, file = *bb....bb*, row = *cc....cc*, field = *dd....dd*) (M)

An error occurred in the file that will be the input data of the ADB_CSVREAD function. The location of the error can be identified based on *bb....bb*, *cc....cc*, and *dd....dd*.

aa....aa: Cause of the error

- DATA CONVERSION ERROR: An error occurred during file conversion processing.
- NO FIELD: Field data does not exist.
- INVALID ENCLOSING CHARACTER: Invalid enclosing characters exist in the data.

bb....bb:

Path name of the file in which the error occurred

cc....cc:

Row number of data in the file

dd....dd:

Field data number in the file

S:

Invalidates this transaction.

Action:

Make sure that the compression format of the file indicated by *bb....bb* matches the specification of the compression format option COMPRESSION_FORMAT of the ADB_CSVREAD function.

If they match, identify the field data that caused the error based on the information indicated by *cc....cc* and *dd....dd*. Then, take the corrective action for the cause of the error indicated by *aa....aa*.

- If *aa....aa* is DATA CONVERSION ERROR

The data type specified for the table function column list is not compatible with the data type of the field data. Correct the data type specified for the table function column list.

If the error occurred at the end of the row, check that the row ends with a linefeed in the file indicated by *bb....bb*.

- If *aa....aa* is NO FIELD

Add field data.

Alternatively, make sure that the field data number is specified correctly for the specification column option.

- If *aa....aa* is INVALID ENCLOSING CHARACTER

Correct the invalid enclosing characters.

Alternatively, make sure that the enclosing character specification option is specified correctly.

If this message is output when you access an archivable multi-chunk table, the file indicated by *bb....bb* (archive file) has been corrupted. In this case, see *Recovering the database from the backup* in the *HADB Setup and Operation Guide*, and then recover the database.

KFAA51275-I

The maintenance processing of the updated-row columnizing facility has finished for the table "*aa....aa*".*bb....bb*".
(M)

The maintenance processing of the updated-row columnizing facility for the table *aa....aa.bb....bb* has finished.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA51276-E

The `adbcolumnize` command cannot be executed. (reason = *aa....aa*) (M)

The `adbcolumnize` command cannot be executed.

aa....aa:

Cause of the error

S:

Terminates processing.

Action:

Take the corrective action for the cause of the error displayed for *aa....aa*.

- If the cause of the error indicated by *aa....aa* is the HADB server operation mode is "QUIESCENCE"

The `adbcolumnize` command cannot be executed because the HADB server operation mode is quiescence mode. Execute the `adbchgsrvmode` command to change the HADB server's operation mode to a mode other than quiescence mode. Then, execute the `adbcolumnize` command.

- If the cause of the error indicated by *aa....aa* is the HADB server is returning to a multi-node configuration

The `adbcolumnize` command cannot be executed because a node is being returned to the multi-node configuration. Wait for completion of processing to return the node to the multi-node configuration, and then execute the `adbcolumnize` command.

KFAA51277-I

The maintenance processing of the updated-row columnizing facility has not been performed during the past 24 hours. (M)

Maintenance processing of the updated-row columnizing facility has not been performed during the past 24 hours.

S:

Continues processing.

Action:

For details about corrective actions, see *Action to be taken if the maintenance processing is not performed* in the *HADB Setup and Operation Guide*.

KFAA51280-W

An error occurred in the maintenance processing of the updated-row columnizing facility. (table = "aa....aa"."bb....bb") (M)

An error occurred during maintenance processing of the updated-row columnizing facility. The error occurred in table *aa....aa.bb....bb*.

aa....aa:

Schema name

If the maintenance processing is not for a specific table, an asterisk (*) is displayed.

bb....bb:

Table identifier

If the maintenance processing is not for a specific table, an asterisk (*) is displayed.

S:

Terminates processing.

Action:

Perform the following procedure to take action.

1. Execute the `adbcolumnize --stop` command to disable the updated-row columnizing facility.
2. Check the error message that was output prior to this message. Eliminate the cause of the error according to that error message. However, even if the corrective action in the error message indicates re-execution of the SQL statement or command, there is no need to re-execute them.
3. Execute the `adbcolumnize --start` command to enable the updated-row columnizing facility.

KFAA51300-I

A dictionary / system table was created. (table name = "aa....aa"."bb....bb") (M)

A dictionary table or a system table was created.

aa....aa:

Schema name of the created dictionary or system table

bb....bb:

Table identifier of the created dictionary or system table

S:

Continues processing.

KFAA51301-I

A dictionary index (or an index for a system table) was created. (index name = "*aa....aa*".*bb....bb*") (M)

An index for a dictionary table or a system table was created.

aa....aa:

Schema name of the index created for a dictionary or system table

bb....bb:

Index identifier of the index created for a dictionary or system table

S:

Continues processing.

KFAA51302-E

A dictionary / system table cannot be created. (M)

A dictionary table or a system table cannot be created.

S:

Terminates processing.

Action:

Eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA51303-E

A dictionary index (or an index for a system table) cannot be created. (M)

An index cannot be created for a dictionary table or a system table.

S:

Terminates processing.

Action:

Eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA51304-I

A column was added to a dictionary / system table. (table name = "aa....aa"."bb....bb", column_name = "cc....cc")
(M)

A column was added to a dictionary table (or a system table).

aa....aa:

Schema name of the dictionary table (or the system table) to which a column was added

bb....bb:

Table identifier of the dictionary table (or the system table) to which a column was added

cc....cc:

Name of the column that was added

S:

Continues processing.

KFAA51305-E

A column cannot be added to a dictionary / system table. (M)

Columns could not be added to a dictionary table (or a system table).

S:

Terminates processing.

Action:

Eliminate the cause of the error based on the message that was output immediately prior to this message. Then, execute the `adbstart` command.

KFAA51306-E

A column attribute cannot be changed a column of dictionary / system table. (M)

Values of columns in dictionary (or system) tables cannot be changed.

S:

Terminates processing.

Action:

Eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA51307-I

A view table was invalidated. (view table name = "aa....aa"."bb...bb", reason = "cc....cc") (M)

A viewed table was invalidated.

This message is output when a viewed table is invalidated by version upgrading of the database or by execution of one of the following SQL statements:

- ALTER TABLE statement
- ALTER VIEW statement
- DROP SCHEMA statement
- DROP TABLE statement
- DROP USER statement
- DROP VIEW statement
- REVOKE statement

aa....aa:

Schema name of the viewed table that has been invalidated

bb....bb:

Table identifier of the viewed table that has been invalidated

cc....cc:

Reason why the viewed table was invalidated

- The view table depends on a table for which SELECT privileges were revoked by using a REVOKE statement

The viewed table depends on a table for which the SELECT privilege was revoked by using a REVOKE statement.

- The view table depends on a table that was changed from a multi-chunk table to an archivable multi-chunk table by using an ALTER TABLE statement

The viewed table depends on a table that was changed from a regular multi-chunk table to an archivable multi-chunk table by using an ALTER TABLE statement.

- The view table depends on a table that was changed from an archivable multi-chunk table to a multi-chunk table by using an ALTER TABLE statement

The viewed table depends on a table that was changed from an archivable multi-chunk table to a regular multi-chunk table by using an ALTER TABLE statement.

- The view table depends on a table for which a column name was changed by using an ALTER TABLE statement

The viewed table depends on a table for which a column name was changed by using an ALTER TABLE statement.

- The view table depends on a table that was deleted by using a DROP TABLE, DROP USER, DROP SCHEMA, DROP VIEW, or REVOKE statement

The viewed table depends on a table that was deleted by using a DROP TABLE, DROP USER, DROP SCHEMA, DROP VIEW, or REVOKE statement.

- The view table depends on a table that was recreated by using an ALTER VIEW statement
The viewed table depends on a table that was re-created by using an ALTER VIEW statement.
- The view table depends on a dictionary / system table that was recreated by upgrading database
The viewed table depends on a dictionary table or system table that was re-created during version upgrading of the database.

S:

Terminates processing.

Action:

Check whether the invalidated viewed table is necessary.

If the viewed table is necessary, release the viewed table from invalidation. For details, see *Releasing a viewed table from invalidation* in the *HADB Setup and Operation Guide*.

If the viewed table is not necessary, delete it by using the DROP VIEW statement. When you execute the DROP VIEW statement, specify CASCADE for drop behavior.

KFAA51308-E

The DB area "aa....aa" specified for the server definition adb_sql_default_dbarea_shared is invalid. (M)

The DB area name specified for the `adb_sql_default_dbarea_shared` operand in the server definition is invalid.

aa....aa:

DB area name specified for the operand

S:

Terminates processing.

Action:

Correct the DB area name specified for the `adb_sql_default_dbarea_shared` operand. For details about the rules for specifying DB area names, see *Specifying names* in the manual *HADB SQL Reference*.

KFAA51309-W

The DB area "aa....aa" specified for the server definition adb_sql_default_dbarea_shared is not a DB area for data. (M)

A DB area that is not a data DB area is specified for the `adb_sql_default_dbarea_shared` operand in the server definition.

aa....aa:

DB area name specified for the operand

S:

Continues processing.

Action:

Specify a data DB area name for the `adb_sql_default_dbarea_shared` operand.

KFAA51310-W

The DB area "*aa....aa*" specified for the server definition `adb_sql_default_dbarea_shared` does not exist. (M)

The DB area specified for the `adb_sql_default_dbarea_shared` operand in the server definition does not exist.

aa....aa:

DB area name specified for the operand

S:

Continues processing.

Action:

Take one of the following actions:

- Specify the name of an existing DB area for the `adb_sql_default_dbarea_shared` operand.
- Execute the `adbmodarea` command to add the DB area specified for the `adb_sql_default_dbarea_shared` operand.

KFAA51311-I

A view table was recreated. (table name = "*aa....aa*".*bb....bb*") (M)

A viewed table was re-created.

aa....aa:

Schema name of the viewed table that was re-created

bb....bb:

Table identifier of the viewed table that was re-created

S:

Continues processing.

KFAA51312-W

A view table could not be recreated. (table name = "*aa....aa*".*bb....bb*") (M)

The viewed table could not be recreated.

aa....aa:

Schema name of the viewed table that could not be re-created

bb....bb:

Table identifier of the viewed table that could not be re-created

S:

Continues processing.

Action:

Wait until the `adbstart` command terminates, and then re-create the viewed table by referring to *Releasing a viewed table from invalidation* in the *HADB Setup and Operation Guide*.

KFAA51400-E

Databases with no schemas cannot be upgraded. (M)

A database with no schema cannot be upgraded.

S:

Terminates processing.

Action:

Take the appropriate action by referencing *Steps to take when the KFAA51400-E message is output* in *Steps to take when version upgrading fails* in the *HADB Setup and Operation Guide*.

KFAA51401-E

An error occurred while calling *aa....aa*. (`func = "bb....bb"`, `cc....cc = dd....dd`, `errmsg = ee....ee`) (M)

An error occurred while calling *aa....aa*.

aa....aa: Type of function called

- a Windows API: A Windows API function

bb....bb:

Name of function that caused the error

cc....cc: Name of numerical value that indicates the nature of the error

- `errcode`: Error code (Windows)

dd....dd:

Error code immediately after the function was executed

ee....ee: Error message for the error code

If no error message can be acquired, three asterisks (***) are displayed.

S:

Terminates processing.

Action:

Check the OS documentation for the information that was displayed in the message, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the information that was output, execute the `adbinfoget` command, collect troubleshooting information, and then contact the customer support center.

KFAA51402-E

The audit trail directory is invalid. (details = "aa....aa") (M)

The audit trail directory specified for the `adb_audit_log_path` operand in the server definition is invalid.

aa....aa:

Cause of the error

S:

Terminates processing.

Action:

Take the corrective action for the cause of the error displayed for *aa....aa*.

If this message is output during execution of the `adbstart` command, take the corrective action for the cause of the error, and then re-execute the `adbstart` command.

If this message is output during execution of the `adbaudittrail` command, execute the `adbstop` command to terminate the HADB server normally. After taking the corrective action for the cause of the error, execute the `adbstart` command to start the HADB server, and then execute the `adbaudittrail` command.

- If *aa....aa* is No audit trail directory was specified
An audit trail directory is not specified for the `adb_audit_log_path` operand. Specify the audit trail directory.
- If *aa....aa* is The audit trail directory path is invalid
The specification format of the audit trail directory path specified for the `adb_audit_log_path` operand is invalid. Alternatively, the path contains invalid characters or the length of the path is 1 byte or less.
- If *aa....aa* is The audit trail directory does not exist
A directory that does not exist is specified for the `adb_audit_log_path` operand. Create the directory specified for the `adb_audit_log_path` operand. Alternatively, specify an existing directory for the `adb_audit_log_path` operand.
- If *aa....aa* is The HADB administrator does not have permissions for the audit trail directory
The necessary privileges for the audit trail directory specified for the `adb_audit_log_path` operand have not been granted. Grant the HADB administrator the read, write, and execution privileges for the audit trail directory.

KFAA51403-E

Processing to *aa....aa* failed, because *bb....bb*. (M)

Operation of the audit trail facility has failed.

aa....aa: Failed operation

- start the audit trail facility: Enabling the audit trail facility
- terminate the audit trail facility: Disabling the audit trail facility
- swap the audit trail file: Swapping the audit trail file

- display the audit trail information: Displaying information relating to the audit trail facility *bb....bb*:

Cause of the error

S:

Terminates processing.

Action:

Take the corrective action for the cause of the error displayed for *bb....bb*.

- If *bb....bb* is the AUDIT ADMIN privilege is required to execute the `adbaudittrail` command

The HADB user who executed the `adbaudittrail` command does not have the audit admin privilege. Ensure that an HADB user with the audit admin privilege executes the `adbaudittrail` command.

- If *bb....bb* is the AUDIT ADMIN privilege or the AUDIT VIEWER privilege is required to execute the `adbaudittrail` command

The HADB user who executed the `adbaudittrail` command does not have the audit admin privilege or audit viewer privilege. Ensure that an HADB user with the audit admin privilege or audit viewer privilege executes the `adbaudittrail` command.

- If *bb....bb* is file descriptors were insufficient and the audit trail file could not be opened

An attempt to open the audit trail file failed because the file descriptors were insufficient. If there are files that can be closed, close them.

- If *bb....bb* is memory was insufficient

A memory shortage occurred. Take the corrective action for the KFAA40007-E message that was output immediately prior to this message.

- If *bb....bb* is the audit trail facility is INACTIVE

If the audit trail facility is disabled, the `adbaudittrail --swap` command cannot be executed. Enable the audit trail facility, and then execute the `adbaudittrail --swap` command.

KFAA51404-E

An error occurred during the processing of the audit trail file. (reason = "*aa....aa*", file = "*bb....bb*") (M)

An error occurred during processing of the audit trail file.

aa....aa:

Cause of the error

bb....bb:

Path name of the audit trail file in which the error occurred

S:

Terminates processing.

Action:

Take the corrective action for the cause of the error displayed for *aa....aa*.

- If *aa....aa* is The audit trail file disk is full

An attempt to write to the audit trail file failed because the disk was full. Reserve sufficient free space on the disk where the audit trail directory is created. For details about how to take corrective actions, see *Steps to take when the disk containing the audit trail directory is full* in the *HADB Setup and Operation Guide*.

- If *aa....aa* is The audit trail file could not be opened, because file descriptors were insufficient

An attempt to open the audit trail file failed because the file descriptors were insufficient. If there are files that can be closed, close them. For details about how to take corrective actions, see *Steps to take when there are insufficient file descriptors* in the *HADB Setup and Operation Guide*.

- If *aa....aa* is *errno cc....cc*

cc....cc indicates an error number. In the OS documentation, check the error number indicated by *cc....cc*, and then eliminate the cause of the error. For details about how to take corrective actions, see *Steps to take when a failure occurs in the disk containing the audit trail directory* in the *HADB Setup and Operation Guide*.

If the HADB server has terminated abnormally, restart it by executing the `adbstart` command.

If you cannot determine the corrective action to take based on the displayed error number, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA51405-E

An error occurred during the processing of the audit trail because the files exceeding the number of files specified in the server definition `adb_audit_log_max_num` are stored in the directory specified in the server definition `adb_audit_log_path`. (`adb_audit_log_path = aa....aa`, `adb_audit_log_max_num = bb....bb`) (M)

An error occurred during processing of the audit trail facility because the number of audit trail files stored under the audit trail directory exceeded the upper limit.

aa....aa:

Audit trail directory (the directory specified in the `adb_audit_log_path` operand in the server definition)

bb....bb:

Upper limit of the number of audit trail files (the value specified for the `adb_audit_log_max_num` operand in the server definition)

S:

Terminates processing.

Action:

- If this message is issued during execution of the `adbstart` command
 - Take one of the following corrective actions, and then re-execute the `adbstart` command.
 - Reduce the number of audit trail files under the audit trail directory by moving or deleting them.
 - Increase the value specified for the `adb_audit_log_max_num` operand.
- If this message is issued during execution of the `adbaudittrail` command
 - Take one of the following corrective actions, and then re-execute the `adbaudittrail` command.
 - Reduce the number of audit trail files under the audit trail directory by moving or deleting them.
 - Terminate the HADB server by using the `adbstop` command, and then increase the value specified for the `adb_audit_log_max_num` operand. Then, execute the `adbstart` command to start the HADB server.

Important

You need to ensure that the number of audit trail files under the audit trail directory does not exceed the value specified for the `adb_audit_log_max_num` operand.

KFAA51406-E

The HADB server terminated abnormally, because an error occurred during the write processing of the audit trail facility. (M)

The HADB server terminates abnormally because an error occurred during write processing to an audit trail file.

S:

Terminates the HADB server abnormally.

Action:

Take the corrective action for the message that was output immediately prior to this message. After taking the corrective action for the cause of the error, execute the `adbstart` command to restart the HADB server.

KFAA51407-E

An error occurred on another node during the processing of the `adbaudittrail` command. (node number = *aa....aa*, host name = *bb....bb*, IP address = *cc....cc*) (M)

An error occurred in another node during execution of the `adbaudittrail` command.

aa....aa:

Node number of the node where the error occurred

bb....bb:

Host name of the node where the error occurred

cc....cc:

IP address of the node where the error occurred

S:

Terminates processing.

Action:

Take corrective action for the error message output to the message log file for the node on which the error occurred. Then, re-execute the `adbaudittrail` command.

KFAA51408-W

Audit trails from and including *aa....aa* were discarded, because an error occurred during the write processing of the audit trail file. (M)

Audit trails output from *aa....aa* are discarded because an error occurred during write processing to an audit trail file.

aa....aa: Date and time when discarding of audit trails started

This is displayed in the format *YYYY/MM/DD hh:mm:ss.nnnnnnn*.

YYYY: Year

MM: Month

DD: Date

hh: Hour

mm: Minute

ss: Second

nnnnnnn: Fractional seconds

S:

Continues processing.

Action:

Take the corrective action for the message that was output immediately prior to this message.

KFAA51409-I

Audit trails from and including *aa....aa* were output, because the cause of the error was eliminated. (M)

Output of audit trails to the audit trail file is restarted because the cause of the write error for the audit trail file has been corrected.

aa....aa: Date and time when output of audit trails restarted

This is displayed in the format *YYYY/MM/DD hh:mm:ss.nnnnnnn*.

YYYY: Year

MM: Month

DD: Date

hh: Hour

mm: Minute

ss: Second

nnnnnnn: Fractional seconds

S:

Continues processing.

KFAA51410-W

Output of the audit trail file is currently suppressed. (M)

Output of audit trails to the audit trail file is currently suppressed.

S:

Continues processing.

Action:

Take the corrective action for the KFAA51408-W message that was output prior to this message.

KFAA51411-W

The audit trail file to be switched over was not found. The audit trail file might be missing. (file = "aa....aa") (M)

The audit trail file to be swapped was not found. The audit trail file *aa....aa* might have been lost.

aa....aa:

Path to the audit trail file

S:

Continues processing.

Action:

No action is required.

KFAA51412-W

The audit trail file was deleted, because the status of the file is incorrect. (file = "aa....aa") (M)

The audit trail file *aa....aa* was deleted because it was in an inappropriate state.

aa....aa:

Path to the deleted audit trail file

S:

Continues processing.

Action:

No action is required.

KFAA51413-W

The value of `adb_audit_log_max_num` is invalid. A value from 1 to 3 cannot be specified. The value of `adb_audit_log_max_num` will be set to 4. (`adb_audit_log_max_num = a`) (M)

A value from 1 to 3 is specified as the maximum number of audit trail file generations for the `adb_audit_log_max_num` operand of the server definition. The specified value is invalidated and the maximum number of audit trail file generations is assumed to be 4.

a:

Value specified for the `adb_audit_log_max_num` operand

S:

Continues processing.

Action:

Correct the value specified for the `adb_audit_log_max_num` operand. For details about the approximate values to be specified, see the description of the `adb_audit_log_max_num` operand in *Operands related to audit trail facility (set format)* in *Detailed descriptions of the server definition operands* in *Designing the Server Definition* in the *HADB Setup and Operation Guide*.

KFAA51414-W

The HADB server confirmed that an external program or user performed an operation on the file. (file = "aa....aa") (M)

The HADB server confirmed that the audit trail file *aa....aa* was operated from the outside.

aa....aa:

Path to the audit trail file

S:

Continues processing.

Action:

No action is required.

KFAA51415-E

The `adbaudittrail` command cannot be executed, because the HADB server is not running on the specified node. (node number = *aa....aa*, host name = *bb....bb*, IP address = *cc....cc*) (M)

The `adbaudittrail` command cannot be executed because the node with the node number specified for the `-n` option of the `adbaudittrail` command was separated from the multi-node configuration.

aa....aa:

Node number specified for the `-n` option

bb....bb:

Host name of the node with the node number specified for the `-n` option

cc....cc:

IP address of the node with the node number specified for the `-n` option

S:

Terminates processing.

Action:

The `adbaudittrail` command cannot be executed for nodes that have been separated from the multi-node configuration. Therefore, wait for the separated node to return to the multi-node configuration, and then execute the `adbaudittrail` command.

KFAA51416-E

The specified node (node number *aa....aa*) does not exist, because the current HADB configuration is a multi-node configuration with *bb....bb* nodes specified. (M)

The node with the node number specified for the *-n* option of the `adbaudittrail` command does not exist.

This message is output if, for example, 4 is specified for the *-n* option when the number of nodes in a multi-node configuration is 3.

aa....aa:

Node number specified for the *-n* option

bb....bb:

Number of nodes in the multi-node configuration

S:

Terminates processing.

Action:

Re-execute the `adbaudittrail` command with the correct node number specified for the *-n* option.

KFAA51417-E

Processing to convert the audit trail file failed because *aa....aa*. (M)

Conversion processing for the audit trail file failed.

aa....aa:

Cause of the error

S:

Terminates processing.

Action:

Take corrective action as described in the following table:

Information output to <i>aa....aa</i>	Description	Action to take
memory was insufficient	A memory shortage occurred.	See the KFAA40007-E message that was output immediately prior to this message, and then take corrective action.
the audit trail facility is INACTIVE	The command <code>adbconvertaudittrailfile</code> was executed while the audit trail facility was disabled.	Enable the audit trail facility, and then execute the command <code>adbconvertaudittrailfile</code> .
the AUDIT VIEWER privilege is required to execute the <code>adbconvertaudittrailfile</code> command	The command <code>adbconvertaudittrailfile</code> was executed when the value specified for the <i>-u</i> option was the authorization identifier of an HADB user who does not have the audit viewer privilege.	For the <i>-u</i> option, specify the authorization identifier of an HADB user who has the audit viewer privilege, and then re-execute the command <code>adbconvertaudittrailfile</code> .

KFAA51418-I

The audit trail file was converted to the common format. (file = *aa....aa*, output directory = *bb....bb*) (M)

The audit trail file was converted to a common format audit trail file.

aa....aa:

Path name of the audit trail file that was converted

bb....bb:

Path name of the output-directory for common format audit trail

S:

Continues processing.

KFAA51419-I

The output destination of the common-format audit trail file was changed from *aa....aa* to *bb....bb*. (M)

The output-directory for common format audit trail was swapped from the file *aa....aa* to the file *bb....bb*.

aa....aa:

Name of the common format audit trail file before swapping

bb....bb:

Name of the common format audit trail file after swapping

S:

Continues processing.

KFAA51420-E

The output directory of the common-format audit trail is invalid. (details = *aa....aa*) (M)

The specified output-directory for common format audit trail is invalid.

aa....aa:

Cause of the error

S:

Terminates processing.

Action:

Respecify the output-directory for common format audit trail as shown in the following table:

Information output to <i>aa....aa</i>	Description	Action to take
The output-directory path is invalid	The specification of the output-directory for common format audit trail contains one or more of the following errors:	Check the specification of the output-directory for common format audit trail, and revise the specified value as necessary.

Information output to aa....aa	Description	Action to take
	<ul style="list-style-type: none"> The specification format of the directory path is invalid. The specified directory path contains at least one invalid character. The length of the directory path is 1 byte or less. 	
The output-directory does not exist	The specified output-directory for common format audit trail does not exist.	Specify an existing directory as the output-directory for common format audit trail.
The HADB administrator does not have permissions for the output-directory directory	The HADB administrator does not have the necessary access privilege for the output-directory for common format audit trail.	Set the read, write, and execution privileges so that the HADB administrator can access the output-directory for common format audit trail.

KFAA51421-E

The path of the input data file (*bb....bb*) of the command adbconvertaudittrailfile is invalid. (reason = *aa....aa*) (M)

The path name of the audit trail file *bb....bb* that is specified for the command adbconvertaudittrailfile is invalid.

aa....aa: Cause of the error

- INVALID PATH FORMAT: The specification format of the audit trail file path name is invalid.
- INVALID PATH: The file indicated by the specified path cannot be specified for the command adbconvertaudittrailfile.

bb....bb: Path name of the file for which the error occurred

If the specified path name exceeds 1,024 bytes, the beginning of the path name is truncated when the path name is displayed.

If the path name of the file cannot be acquired, an asterisk (*) is displayed.

S:

Terminates processing.

Action:

Respecify the path name of the audit trail file as shown in the following table:

Information output to aa....aa	Action to take
INVALID PATH FORMAT	For the command adbconvertaudittrailfile, specify an absolute path for the path name of the audit trail file.
INVALID PATH	The path name of the current audit trail file cannot be specified for the command adbconvertaudittrailfile. Specify an audit trail file other than the current audit trail file.

KFAA51422-E

The file format of the input data file (*aa....aa*) of the command adbconvertaudittrailfile is invalid. (M)

The data format of the file *aa....aa* that is specified for the command adbconvertaudittrailfile is invalid.

aa....aa:

Path name of the file with an invalid data format

S:

Terminates processing.

Action:

Make sure that the file displayed for *aa....aa* is one of the following:

- An audit trail file
- An audit trail file that has been compressed by using the OS's gzip command

KFAA51500-E

The adbsyndict command cannot be executed at the same time. (E+M)

Multiple adbsyndict commands cannot be executed at the same time.

S:

Terminates processing.

Action:

Wait for the running adbsyndict command to terminate, and then execute the adbsyndict command.

KFAA51501-E

The *aa....aa* is invalid. (line = *bb....bb*, option = *cc....cc*, reason = *dd....dd*, value = *ee....ee*) (E+M)

Information specified in the dictionary creation file or dictionary deletion file is invalid.

aa....aa: File that contains invalid information

- **dictionary-creation-file**: Dictionary creation file
- **dictionary-deletion-file**: Dictionary deletion file

bb....bb:

Line that generated the error

cc....cc: Invalid item

- **synonym-list-definition-file**: Synonym list definition file name
- **synonym-dictionary-name**: Synonym dictionary name
- **comment**: Comment
- **correction-rule**: Notation-correction option

- record: Whole line

If one of the following conditions exists, record is output:

- The number of specified options is invalid.
- The file does not end with a linefeed.

dd....dd: Cause of the error

- invalid length: The length of the specified value is invalid.

- invalid value: The specified value is invalid.

The specified notation-correction option is invalid. Alternatively, although character encoding used by the HADB server is Shift-JIS, CORRECTIONRULE or CR is specified for correction search.

- invalid character: Invalid characters are specified.

Characters that cannot be used are specified in the synonym dictionary name, synonym list definition file name, or comment.

- invalid format: One of the following errors exists.

- The number of specified items is invalid.

- The file does not end with a linefeed.

- The specified enclosing characters are invalid.

- invalid path format: The specified path is not an absolute path.

- duplicate: A synonym dictionary name is specified more than once in the dictionary creation file.

Alternatively, a synonym dictionary name is specified more than once in the dictionary deletion file.

ee....ee: Specified value

If one of the following conditions exists, an asterisk (*) is output:

- *dd....dd* is invalid format.

- *dd....dd* is invalid length and either of the following is not specified:

- Synonym list definition file name

- Synonym dictionary name

- *dd....dd* is invalid length and the maximum length of one of the following is exceeded.

- Synonym dictionary name

- Synonym list definition file name

- Notation-correction option

- Comment

S:

Terminates processing.

Action:

Correct the information specified in the dictionary creation file or dictionary deletion file. Then, re-execute the `adbsyndict` command.

KFAA51502-E

The number of synonym dictionaries you are trying to register exceeds the upper limit (50). (E+M)

The number of synonym dictionaries exceeds the maximum of 50.

S:

Terminates processing.

Action:

- If this message is output during registration of a synonym dictionary
A maximum of 50 synonym dictionaries can be registered.

Check the sum of the number of registered synonym dictionaries and the number of synonym dictionaries specified in the dictionary creation file. To check the sum of the number of registered synonym dictionaries, display a list of synonym dictionaries and then count the number of synonym dictionaries. For details about how to display the list of synonym dictionaries, see *Checking the information about all synonym dictionaries* in *Checking the information about synonym dictionaries* in the *HADB Setup and Operation Guide*.

- If this message is output during deletion of a synonym dictionary
A maximum of 50 synonym dictionaries can be deleted.

Check the sum of the number of synonym dictionaries specified in the dictionary deletion file.

KFAA51503-E

The aa....aa is invalid. (path = bb....bb, reason = cc....cc, errno = dd....dd) (E+M)

One of the following specifications is invalid:

- Synonym list definition file name
- Name of the storage directory for synonym dictionary files
- Name of the multi-node synonym dictionary storage directory

aa....aa: Invalid item

- *synonym-list-definition-file*: Synonym list definition file name
- *synonym-dictionary-storage-directory*: Name of the storage directory for synonym dictionary files
- *multi-node-synonym-dictionary-storage-directory*: Name of the multi-node synonym dictionary storage directory

bb....bb: Specified path name

If *cc....cc* is No-definition, an asterisk (*) is displayed.

cc....cc:

Cause of the error

dd....dd:

Error number

S:

Terminates processing.

Action:

Take the corrective action for the cause of the error indicated by *cc....cc*.

Display of cc....cc	Cause of the error	Corrective action to take
No-file	The synonym list definition file specified in the dictionary creation file does not exist. Alternatively, anything other than a file is specified.	Correct the synonym list definition file name specified in the dictionary creation file.
Invalid-permission	Access privilege (read or write privilege) for the file or directory has not been granted.	Grant access privilege (read or write privilege) for the file or directory by using the OS's chmod command or the like.
No-definition	The adb_syndict_storage_path operand or adb_syndict_node_storage_path operand is not specified in the server definition.	Add the adb_syndict_storage_path operand or adb_syndict_node_storage_path operand to the server definition.
Not-directory	The specified path does not exist. Alternatively, the specified path is not a directory.	Correct the specified path name.
Illegal-symbolic-link	The link destination for the specified symbolic link cannot be acquired.	
Other-access-error	An access system call error other than the above occurred.	Check the error number for the access system call in the OS documentation, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the error number, execute the adbinfoget command to collect troubleshooting information, and then contact the customer support center.

KFAA51504-W

Failed to delete the aa....aa. (path = bb....bb, reason = cc....cc, errno = dd....dd) (E+M)

An attempt to delete the synonym dictionary file or temporary work file failed.

aa....aa: File that could not be deleted

- synonym-dictionary-file: Synonym dictionary file
- temporary-work-file: Temporary work file
- unnecessary-file: Unnecessary file

bb....bb:

Path name of the file

cc....cc:

Cause of the error

dd....dd:

Error number

S:

Continues processing.

Action:

Take the corrective action for the cause of the error indicated by *cc....cc*.

Display of <i>cc....cc</i>	Cause of the error	Corrective action to take
No-file	The synonym dictionary file or temporary work file does not exist.	No action is needed because the file has already been deleted.
Invalid-permission	An attempt to delete the synonym dictionary file or temporary work file failed because the access privilege for the file has not been granted.	Check whether the necessary privilege for the storage directory for synonym dictionary files has been granted. For details about necessary privileges, see <i>Assigning permissions to the directory for storing synonym dictionary files</i> in <i>Preparing for synonym search operations</i> in the <i>HADB Setup and Operation Guide</i> .
Other-access-error	An access system call error other than the above occurred.	Check the error number for the access system call in the OS documentation, and then eliminate the cause of the error.

- If an error message was output prior to this message

Take the corrective action for the error message output prior to this message and the corrective action for this message.

Even if you do not take the corrective action for this message, the `adbsyndict` command will not cause an error. However, unnecessary files still remain under the storage directory for synonym dictionary files. Therefore, take the corrective action for the cause of the error indicated by *cc....cc*. Then, execute the `adbsyndict --clean` command to delete the unnecessary files under the storage directory for synonym dictionary files.

If the multi-node function is used, you must also execute the `adbsyndict -s` command to synchronize the synonym dictionary files. Unnecessary files are automatically deleted by synchronization processing of synonym dictionary files.

- If the KFAA51509-I is output in addition to this message

You can perform a synonym search because the processing to register, update, or delete the synonym dictionary has been completed. However, unnecessary files still remain under the storage directory for synonym dictionary files. Therefore, take the corrective action for the cause of the error indicated by *cc....cc*. Then, execute the `adbsyndict --clean` command to delete the unnecessary files under the storage directory for synonym dictionary files.

If the multi-node function is used, you must also execute the `adbsyndict -s` command to synchronize the synonym dictionary files. Unnecessary files are automatically deleted by synchronization processing of synonym dictionary files.

Note

Even if unnecessary files remain, you can perform a synonym search and execute the `adbsyndict` command.

KFAA51505-E

The synonym list definition file is invalid. (path = *aa....aa*, reason = *bb....bb*, line = *cc....cc*, column = *dd....dd*) (E +M)

The information specified in the synonym list definition file is invalid.

aa....aa:

Path name of the synonym list definition file

bb....bb: Cause of the error

- **invalid format:** The format of a synonym or file is invalid.
- **limit over:** The maximum number of synonyms that can be specified for a synonym group is exceeded. Alternatively, the number of synonym groups exceeds the maximum.
- **length over:** The maximum number of characters that can be specified for synonyms is exceeded.

cc....cc:

Number of the row in which the synonym that caused the error is described

dd....dd:

Column in which the synonym that caused the error is described (the number of columns from the start of the line)

S:

Terminates processing.

Action:

Correct the information specified in the synonym list definition file.

If *bb....bb* is **invalid format**, check for the following errors:

- A synonym group contains only one synonym.
- A synonym contains a horizontal tab X'09' (HT), linefeed character X'0A' (LF), or X'00'.
- Enclosing characters are not specified in pair.
- Enclosing characters contained in a synonym, if any, are not specified in succession.
- A delimiter and an enclosing character are not specified in succession.
- A synonym contains no character.
- A synonym group does not end with a linefeed.
- Invalid characters are specified as the bit pattern for the character encoding specified in the **ADBLANG** environment variable.

KFAA51506-I

The synonym dictionary will be registered or updated with the specified values. (synonym dictionary name = *aa....aa*, path of the synonym list definition file = *bb....bb*, correction rule = *cc....cc*, comment = *dd....dd*) (M+S)

The synonym dictionary will be registered or updated.

aa....aa:

Synonym dictionary name

bb....bb:

Synonym list definition file name

cc....cc: Notation-correction option

If the notation-correction option is omitted, an asterisk (*) is displayed.

dd....dd: Comment

If the comment is omitted, an asterisk (*) is displayed.

S:

Continues processing.

KFAA51507-I

The synonym dictionary will be deleted. (synonym dictionary name = *aa....aa*) (M+S)

The synonym dictionary will be deleted.

aa....aa:

Synonym dictionary name

S:

Continues processing.

KFAA51508-I

A synonym dictionary file is being created for the synonym dictionary (*aa....aa*). (M+S)

A synonym dictionary file for the synonym dictionary *aa....aa* is being created.

aa....aa:

Synonym dictionary name

S:

Continues processing.

KFAA51509-I

The synonym dictionary (*aa....aa*) has been *bb....bb*. (M+S)

bb....bb processing for the synonym dictionary is completed.

aa....aa:

Synonym dictionary name

bb....bb: Operation for the synonym dictionary

- registered: Registration
- updated: Update
- deleted: Deletion

S:

Continues processing.

KFAA51510-W

Failed to read the synonym dictionary file. (path = *aa....aa*, func = "bb....bb", errno = *cc....cc*) (E+M)

An attempt to read the synonym dictionary file failed when performing a synonym search. The synonym search can be performed, but it might require a long time.

aa....aa:

Path of the synonym dictionary file

bb....bb: Processing in which the error occurred

- Opening the file
- Closing the file
- Moving a pointer on the file
- Reading the file

cc....cc:

Error number

S:

Continues processing.

Action:

Take one of the following actions:

- If the path of the synonym dictionary file is indicated by *aa....aa*

In the OS documentation, check the system call indicated by *bb....bb* and the error number indicated by *cc....cc*, and then eliminate the cause of the error. Then, restart the HADB server.

If you cannot determine the corrective action to take based on the system call and error number, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

If the error is caused by the absence of a synonym dictionary file, re-create the synonym dictionary file by using the `adbsyndict` command. For details about how to re-create a synonym dictionary file, see *Steps to take if synonym dictionary files or their storage directory is accidentally deleted* in the *HADB Setup and Operation Guide*.

- If the path of the synonym dictionary file is not indicated by *aa....aa*

An attempt to allocate memory for acquiring synonym dictionary information failed. Check for any unnecessary processes. If there are any unnecessary processes, stop them or delete them, and then restart the HADB server.

KFAA51511-E

The *aa....aa* is invalid. (reason = *bb....bb*, path = *cc....cc*, errno = *dd....dd*) (E+M)

The dictionary creation file or dictionary deletion file specified in the option argument of the `adbsyndict` command is invalid.

aa....aa: Invalid file

- `dictionary-creation-file`: Dictionary creation file
- `dictionary-deletion-file`: Dictionary deletion file

bb....bb:

Cause of the error

cc....cc:

Path name of the file

dd....dd:

Error number

S:

Terminates processing.

Action:

Take the corrective action for the cause of the error indicated by *bb....bb*.

Display of <i>bb....bb</i>	Cause of the error	Corrective action to take
No-file	The file specified for the option argument of the <code>adbsyndict</code> command does not exist. Alternatively, anything other than a file is specified.	Specify the correct path name and execute the <code>adbsyndict</code> command.
Invalid-permission	Access privilege (read or write privilege) for the file or directory has not been granted.	Grant access privilege (read or write privilege) for the file or directory by using the OS's <code>chmod</code> command or similar.
Invalid-path-format	The path specified for the option argument of the <code>adbsyndict</code> command is not an absolute path.	Specify the correct path name and execute the <code>adbsyndict</code> command.
Invalid-letter	Invalid characters are used in the path name. Control characters (0x01 to 0x1f, 0x7f) are specified in the path name.	Correct the path name of the dictionary creation file or dictionary deletion file.
Other-access-error	An access system call error other than the above occurred.	Check the error number for the access system call in the OS documentation, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the error number, execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.

KFAA51512-E

Failed to delete the synonym dictionary (*aa....aa*). (E+M)

An attempt to delete the synonym dictionary failed because the synonym dictionary name specified in the dictionary deletion file was invalid.

aa....aa:

Invalid synonym dictionary name specified

S:

Terminates processing.

Action:

Check the synonym dictionary name specified in the dictionary deletion file. The specified synonym dictionary name is invalid (the specified synonym dictionary does not exist).

If multiple synonym dictionary names are specified in the dictionary deletion file, none of the specified synonym dictionaries are deleted if at least one of the synonym dictionary names is invalid.

KFAA51513-E

The value specified for the server definition "aa....aa" is invalid. (reason = bb....bb, errno = cc....cc) (M)

Either of the following operands specified in the server definition is invalid:

- `adb_syndict_storage_path`
- `adb_syndict_node_storage_path`

aa....aa:

Invalid operand specified in the server definition

bb....bb:

Cause of the error

cc....cc:

Error number

S:

Terminates processing.

Action:

Take the corrective action for the cause of the error indicated by *bb....bb*. Then, execute the `adbstart` command to start the HADB server.

Display of <i>bb....bb</i>	Cause of the error	Corrective action to take
Invalid-permission	Access privilege for the directory specified for the <i>aa....aa</i> operand has not been granted.	Grant access privilege (read or write privilege) for the file or directory by using the OS's <code>chmod</code> command or similar.
Not-directory	The path specified for the <i>aa....aa</i> operand does not exist. Alternatively, the specified path is not a directory.	Correct the specified path name.
Illegal-symbolic-link	The link destination for the symbolic link specified for the <i>aa....aa</i> operand cannot be acquired.	
Illegal-directory	A directory that cannot be specified is specified for the <i>aa....aa</i> .	<ul style="list-style-type: none">• If <code>adb_syndict_storage_path</code> is displayed for <i>aa....aa</i> Specify a different storage directory for synonym dictionary files. For details about directories that cannot be specified as the storage directory for synonym dictionary files, see <i>Creating the directory for storing synonym dictionary files</i> in <i>Preparing for synonym search operations</i> in the <i>HADB Setup and Operation Guide</i>.• If <code>adb_syndict_node_storage_path</code> is displayed for <i>aa....aa</i> Specify a different multi-node synonym dictionary storage directory. For details about directories that cannot be specified as the multi-node synonym dictionary storage directory, see <i>Creating the multi-node synonym dictionary storage directory</i> in <i>Preparing for synonym search operations</i> in <i>Performing synonym search operations</i>

Display of bb....bb	Cause of the error	Corrective action to take
		(when using the multi-node function) in the <i>HADB Setup and Operation Guide</i> .
Invalid-path-format	The path specified for the aa....aa operand is not an absolute path.	Change the specified path to an absolute path.
Invalid-letter	Invalid characters are used in the path name specified for the aa....aa operand. Control characters (0x01 to 0x1f, 0x7f) are specified.	Correct the specified path name.
Length-error	The path length of the directory specified for the aa....aa operand is invalid.	
Other-access-error	An access system call error other than the above occurred.	Check the error number for the access system call in the OS documentation, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the error number, execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.

KFAA51514-E

The aa....aa bb....bb operation failed. (path = cc....cc, errno = dd....dd) (E+M)

The bb....bb operation on aa....aa failed.

aa....aa: Operation target

- synonym-list-definition-file: Synonym list definition file
- dictionary-creation-file: Dictionary creation file
- dictionary-deletion-file: Dictionary deletion file
- synonym-dictionary-file: Synonym dictionary file
- temporary-work-file: Temporary work file
- synonym-dictionary-storage-directory: Storage directory for synonym dictionary files
- synonym-list-output-file: Synonym list output file

bb....bb: Operation details

- open: Opening the file
- close: Closing the file
- write: Writing to the file
- read: Reading the file
- lseek: Moving a pointer on the file
- stat: File existence check
- flock: Locking the file
- fchmod: Changing the file mode
- mkstemp: Creating a file

- `rename`: Renaming a file
- `opendir`: Opening the directory
- `readdir`: Reading the directory
- `closedir`: Closing the directory

cc....cc: Path name

- If *aa....aa* is synonym-dictionary-storage-directory, the path name of the storage directory for synonym dictionary files is displayed.
- If *aa....aa* is other than synonym-dictionary-storage-directory, the path name of the file on which operation failed is displayed.

dd....dd:

Error number

S:

Terminates processing.

Action:

In the OS documentation, check the system call name indicated by *bb....bb* and the error number indicated by *dd....dd*, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the displayed system call name and error number, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

If the error number is 0, an attempt to allocate memory failed during processing to read the file. Check for any unnecessary processes. If there are any unnecessary processes, shut them down or delete them. Then, re-execute the `adbsyndict` command.

KFAA51515-I

Synchronization of all nodes will now start. (synonym dictionary name = *aa....aa*) (M+S)

Synchronization processing of synonym dictionary files for the synonym dictionary *aa....aa* for all nodes will now start.

aa....aa:

Synonym dictionary name

S:

Continues processing.

KFAA51516-I

Synchronization of all nodes is complete. (synonym dictionary name = *aa....aa*) (M+S)

Synchronization processing of synonym dictionary files for the synonym dictionary *aa....aa* for all nodes has ended.

aa....aa:

Synonym dictionary name

S:

Continues processing.

KFAA51517-W

The *aa....aa bb....bb* operation failed. (path = *cc....cc*, errno = *dd....dd*) (E+M)

Synchronization processing of file *cc....cc* was canceled because the *bb....bb* operation on *aa....aa* failed.

aa....aa: Operation target

- synonym-dictionary-file: Synonym dictionary file

bb....bb: Operation details (system call name)

- open: Opening the file
- close: Closing the file
- write: Writing to the file
- read: Reading the file
- lseek: Moving a pointer on the file
- stat: File existence check
- fchmod: Changing the file mode
- rename: Renaming a file

cc....cc:

Path name of the file

dd....dd:

Error number

S:

Continues processing.

Action:

In the OS documentation, check the system call name indicated by *bb....bb* and the error number indicated by *dd....dd*, and then eliminate the cause of the error. Then, execute the `adbsyndict -s` command to re-synchronize the synonym dictionary files.

If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

If the error number is 0, an attempt to allocate memory failed during processing to read the file. Check for any unnecessary processes. If there are any unnecessary processes, shut them down or delete them. Then, execute the `adbsyndict -s` command to re-synchronize the synonym dictionary files.

KFAA51518-W

Node number *aa....aa* is not operational. (IP address = *bb....bb*) (E+M)

A stopped node is found.

aa....aa:

Node number of the stopped node

bb....bb:

IP address of the stopped node

S:

Continues processing.

Action:

If the stopped node has been returned to the multi-node configuration, execute the `adbsyndict -s` command to synchronize the synonym dictionary files.

KFAA51519-E

Failed to create a synonym dictionary file on the node. (synonym dictionary = *aa....aa*, node number = *bb....bb*, IP address = *cc....cc*) (E+M)

An attempt to create a synonym dictionary file failed on the node with node number *bb....bb*.

The reason is that the node with node number *bb....bb* was separated from a multi-node configuration during execution of the `adbsyndict` command, or an error occurred on the node with node number *bb....bb*.

aa....aa:

Synonym dictionary file name

bb....bb:

Node number of the node on which an attempt to create a synonym dictionary file failed

cc....cc:

IP address of the node on which an attempt to create a synonym dictionary file failed

S:

Terminates processing.

Action:

- If the node with node number *bb....bb* was separated from a multi-node configuration during execution of the `adbsyndict` command

Return the node to the multi-node configuration, and then re-execute the `adbsyndict` command. If it is difficult to immediately return the node, re-execute the `adbsyndict` command before returning the node. After the node is returned, execute the `adbsyndict -s` command to synchronize the synonym dictionary files.

- If the node with node number *bb....bb* is running

Check the message log file for the node on which the error occurred, and then take corrective action for the output error message. Then, re-execute the `adbsyndict` command.

KFAA51520-W

Failed to delete a synonym dictionary file on the node. (node number = *aa....aa*, IP address = *bb....bb*) (E+M)

An attempt to delete a synonym dictionary file failed on the node with node number *aa....aa*.

aa....aa:

Node number of the node on which an attempt to delete a synonym dictionary file failed

bb....bb:

IP address of the node on which an attempt to delete a synonym dictionary file failed

S:

Continues processing.

Action:

Check the message log file for the node on which the error occurred, and then take corrective action for the output error message. Then, execute the `adbsyndict -s` command to synchronize the synonym dictionary files.

KFAA51521-W

Because the existence of the synonym dictionary file could not be confirmed on node number *aa....aa*, synchronous processing of the synonym dictionary file was skipped. (IP address = *bb....bb*) (E+M)

Because the HADB server could not confirm the existence of the synonym dictionary file on the node with node number *aa....aa*, synchronization processing of the synonym dictionary file on that node was skipped.

aa....aa:

Node number of the node where the error occurred

bb....bb:

IP address of the node where the error occurred

S:

Continues processing.

Action:

Re-synchronize the synonym dictionary files in the following procedure:

1. Check the error message that was output immediately before the KFAA51536-E message output to the message log file for the node with node number *aa....aa*.
2. Eliminate the cause of the error according to the corrective action for the error message.
3. Execute the `adbsyndict -s` command.

KFAA51522-E

Because the multi-node facility is not in use, the `adbsyndict` command cannot be executed with the `-s` option specified. (E+M)

Because the multi-node function is not used, the `adbsyndict` command with the `-s` option specified cannot be executed.

S:

Terminates processing.

Action:

If the multi-node function is not used, do not specify the `-s` option in the `adbsyndict` command.

KFAA51523-W

Because there is an invalid character in the synonym dictionary file, invalid characters were directly output to the file. (line = *aa....aa*, column = *bb....bb*) (E+M)

The synonym dictionary file contains invalid characters (characters that do not exist in the character encoding specified for the `ADBLANG` environment variable). Invalid characters are output as they are to the file to which the list of synonyms are output.

aa....aa: Number of the line in which invalid characters exist in the output destination file

If the list of synonyms cannot be output due to a format error of the synonym dictionary file, an asterisk (*) is displayed.

bb....bb: Column in which invalid characters exist in the output destination file (the position from the beginning of the line)

An asterisk (*) is displayed in the following cases:

- If the list of synonyms cannot be output due to a format error of the synonym dictionary file
- If the format of line *aa....aa* in the synonym dictionary file is invalid and data of that line is output

S:

Continues processing.

Action:

The synonym dictionary file is in invalid status because file is corrupted or because the file was updated by a method other than executing the `adbsyndict` command. A synonym search performed in this status might cause invalid search results. Take the following actions:

- If the synonym dictionary file has been backed up after the synonym dictionary was registered or updated
Make sure that the backup file name is the same as the synonym dictionary file name, and then restore the synonym dictionary file from the backup.
- If the synonym dictionary file has not been backed up after the synonym dictionary was registered or updated
Re-create the synonym dictionary file for the synonym dictionary for which a list of synonyms has been output.
For details about how to re-create a synonym dictionary file, see *Steps to take if synonym dictionary files or their storage directory is accidentally deleted* in the *HADB Setup and Operation Guide*.

If you cannot re-create the synonym dictionary file, restore the database from the latest full backup.

KFAA51524-W

Deletion of the synonym dictionary was canceled. (E+M)

The `adbsyndict` command is executed successfully, but deletion of the synonym dictionary file that is no longer required is canceled.

S:

Terminates processing.

Action:

Execute the `adbsyndict --clean` command to delete the unnecessary files under the storage directory for synonym dictionary files.

If the multi-node function is used, you must also execute the `adbsyndict -s` command to synchronize the synonym dictionary files. Unnecessary files are automatically deleted by synchronization processing of synonym dictionary files.

**Note**

Even if unnecessary files remain, you can perform a synonym search and execute the `adbsyndict` command.

KFAA51525-W

The server definition "adb_syndict_node_storage_path" is not specified. To use synonym search with the multi-node facility, specify a value for "adb_syndict_node_storage_path". (E+M)

The `adb_syndict_node_storage_path` operand is not specified in the server definition. To perform a synonym search when the multi-node function is used, you must specify the `adb_syndict_node_storage_path` operand.

S:

Continues processing.

Action:

Specify the `adb_syndict_node_storage_path` operand in the server definition.

**Note**

To perform a synonym search when the multi-node function is used, you must specify both the `adb_syndict_storage_path` operand and the `adb_syndict_node_storage_path` operand in the server definition.

KFAA51526-I

The synonym dictionary file (*aa....aa*) for use with the multi-node facility will now be *bb....bb*. (M+S)

Processing to create or delete the synonym dictionary file used in the multi-node function has started.

aa....aa:

Synonym dictionary file name

bb....bb: Processing details

- **created:** Creating the synonym dictionary file
- **deleted:** Deleting the synonym dictionary file

S:

Continues processing.

KFAA51527-I

aa....aa of the synonym dictionary file (*bb....bb*) for use with the multi-node facility is complete. (M+S)

Processing to create or delete the synonym dictionary file used in the multi-node function has finished.

aa....aa: Processing details

- Creation: Creating the synonym dictionary file
- Deletion: Deleting the synonym dictionary file

bb....bb:

Synonym dictionary file name

S:

Continues processing.

KFAA51528-I

Output of the synonym dictionary (*aa....aa*) will now start. (M+S)

Processing to output the synonym list in the synonym dictionary has started.

aa....aa:

Synonym dictionary name

S:

Continues processing.

KFAA51529-I

Output of the synonym dictionary (*aa....aa*) is complete. (M+S)

Processing to output the synonym list in the synonym dictionary has finished.

aa....aa:

Synonym dictionary name

S:

Continues processing.

KFAA51530-E

The value *aa....aa*, specified to output the list of synonyms, is invalid. (reason = *bb....bb*) (E+M)

The specification of the **-n** option or **-o** option in the **adbsyndict** command executed to output the list of synonyms is invalid.

aa....aa: Argument of the invalid option

- synonym-dictionary-name: Synonym dictionary name
- synonym-list-output-file-path: Synonym list output file name

bb....bb: Cause of the error

- invalid length: The length of the specified name is invalid.
- illegal symbolic link: The link destination for the specified symbolic link cannot be acquired.
- invalid character: Invalid characters that cannot be used in synonym dictionary names are specified.
- illegal directory: A directory that cannot be specified is specified.
- invalid path format: The specified path is not an absolute path.
- duplicate: A file having the same name as the synonym list output file exists.
- invalid permission: Access privilege for the directory has not been granted.
- no synonym dictionary: The specified synonym dictionary name does not exist.

S:

Terminates processing.

Action:

Correct the specified -n option or -ooption, and then re-execute the `adbSyndict` command.

KFAA51531-I

Unnecessary files will now be deleted. (path = *aa....aa*) (M+S)

Processing to delete unnecessary files under the storage directory for synonym dictionary files (the directory specified for the `adb_syndict_storage_path` operand in the server definition) will now start.

aa....aa:

Path to the files to be deleted

S:

Continues processing.

KFAA51532-I

Deletion of unnecessary files is complete. (path = *aa....aa*) (M+S)

Processing to delete unnecessary files under the storage directory for synonym dictionary files (the directory specified for the `adb_syndict_storage_path` operand in the server definition) has finished.

aa....aa:

Path to the deleted files

S:

Continues processing.

KFAA51533-I

Failed to delete the *aa....aa*. (path = *bb....bb*, reason = *cc....cc*, errno = *dd....dd*) (M+S)

An attempt to delete *aa....aa* failed. The unnecessary file still remains under the storage directory for synonym dictionary files.

aa....aa: File that could not be deleted

- **unnecessary-file**: Unnecessary file

bb....bb:

Path to the file

cc....cc: Cause of the error

- **Invalid-permission**: Access privilege for the file or directory has not been granted.
- **Other-access-error**: A system call error other than the above occurred.

dd....dd:

Error number

S:

Continues processing.

Action:

Take the corrective action for the cause of the error indicated by *cc....cc*, and then execute the `adbsyndict --clean` command to delete the unnecessary files under the storage directory for synonym dictionary files.

- If *cc....cc* is **Invalid-permission**

An attempt to delete the file failed because the access privilege for the synonym dictionary file or temporary work file has not been granted. Grant the necessary access privilege.

- If *cc....cc* is **Other-access-error**

An attempt to delete the file failed because a system call error occurred. Check the error number for the access system call in the OS documentation, and then eliminate the cause of the error.



Note

Even if unnecessary files remain, you can perform a synonym search and execute the `adbsyndict` command.

KFAA51534-I

The *aa....aa bb....bb* operation failed. (path = *cc....cc*, errno = *dd....dd*) (M+S)

The *bb....bb* operation on *aa....aa* failed. The unnecessary file still remains under the storage directory for synonym dictionary files.

If you registered, updated, or deleted the synonym dictionary by executing the `adbsyndict` command, the HADB server has deleted unnecessary files under the storage directory for synonym dictionary files. Because the operation on the storage directory for synonym dictionary files failed during deletion of unnecessary files, unnecessary files remain undeleted.

aa....aa: Operation target

- `synonym-dictionary-storage-directory`: Storage directory for synonym dictionary files

bb....bb: Processing details (system call name)

- `opendir`: Opening the directory
- `readdir`: Reading the directory
- `closedir`: Closing the directory

cc....cc:

Path name of the storage directory for synonym dictionary files

dd....dd:

Error number

S:

Terminates processing.

Action:

In the OS documentation, check the system call name indicated by *bb....bb* and the error number indicated by *dd....dd*, and then eliminate the cause of the error. Then, execute the `adbsyndict --clean` command to delete the unnecessary files.

If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.



Note

Even if unnecessary files remain, you can perform a synonym search and execute the `adbsyndict` command.

KFAA51535-W

The *aa....aa bb....bb* operation failed. (path = *cc....cc*, errno = *dd....dd*) (M+S)

The *bb....bb* operation on *aa....aa* failed.

If you synchronized the synonym dictionary file by executing the `adbsyndict -s` command, the HADB server has deleted unnecessary files under the *cc....cc* directory. Because the operation on the *cc....cc* directory failed during deletion of unnecessary files, unnecessary files remain undeleted.

aa....aa: Operation target

- `multi-node-synonym-dictionary-storage-directory`: Multi-node synonym dictionary storage directory

bb....bb: Processing details (system call name)

- `opendir`: Opening the directory
- `readdir`: Reading the directory
- `closedir`: Closing the directory

cc....cc:

Path name of the multi-node synonym dictionary storage directory

dd....dd:

Error number

S:

Terminates processing.

Action:

In the OS documentation, check the system call name indicated by *bb....bb* and the error number indicated by *dd....dd*, and then eliminate the cause of the error. Then, execute the `adbsyndict -s` command to synchronize the synonym dictionary files. When you synchronize the synonym dictionary files, unnecessary files are automatically deleted.

If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.



Note

Even if unnecessary files remain, you can perform a synonym search and execute the `adbsyndict` command.

KFAA51536-E

Because the existence of the synonym dictionary file could not be confirmed, synchronous processing of the synonym dictionary file was skipped. (E+M)

Because the HADB server could not confirm the existence of the synonym dictionary file, synchronization processing of that synonym dictionary file was skipped.

S:

Stops processing.

Action:

Re-synchronize the synonym dictionary files in the following procedure:

1. See the message log file and check the error message that was output immediately before this message.
2. Eliminate the cause of the error according to the corrective action for the error message.
3. Execute the `adbsyndict -s` command.

KFAA51537-W

The storage directory for the synonym file that is used with the multi-node facility does not contain the most recent version of the synonym dictionary file (*aa....aa*). (E+M)

The latest version of the synonym dictionary file is not stored in the multi-node synonym dictionary storage directory.

aa....aa:

Name of the synonym dictionary for which the version of the synonym dictionary file is old

S:

Continues processing.

Action:

Check whether the `adb_syndict_node_storage_path` operand is specified in the server definition.

- If the `adb_syndict_node_storage_path` operand is specified

Execute the `adbsyndict -s` command to synchronize the synonym dictionary files.

- If the `adb_syndict_node_storage_path` operand is not specified

After specifying the `adb_syndict_node_storage_path` operand, execute the `adbsyndict -s` command to synchronize the synonym dictionary files.

Even if the latest synonym dictionary file is not stored in the slave node, you can perform a synonym search. However, if execution of an SQL statement is allocated to that slave node, that execution is not performed on the slave node. In this case, execution of the SQL statement is performed on the master node. If this status continues, load on the master node might increase. In addition, processing that changes the node for executing the SQL statement occurs, which might degrade search performance. Therefore, synchronize the synonym dictionary files to ensure that the slave node contains the latest version of the synonym dictionary file.

KFAA51538-W

Failed to create a synonym dictionary file on the node. (synonym dictionary = *aa....aa*, node number = *bb....bb*, IP address = *cc....cc*) (E+M)

An attempt to create a synonym dictionary file failed on the node with node number *bb....bb*.

The reason is that the node with node number *bb....bb* was separated from a multi-node configuration during execution of the `adbsyndict` command, or an error occurred on the node with node number *bb....bb*.

aa....aa:

Synonym dictionary file name

bb....bb:

Node number of the node on which an attempt to create a synonym dictionary file failed

cc....cc:

IP address of the node on which an attempt to create a synonym dictionary file failed

S:

Continues processing.

Action:

- If the node with node number *bb....bb* was separated from a multi-node configuration during execution of the `adbsyndict` command

Return the node to the multi-node configuration, and then re-execute the `adbsyndict` command. If it is difficult to immediately return the node, re-execute the `adbsyndict` command before returning the node. After the node is returned, execute the `adbsyndict -s` command to synchronize the synonym dictionary files.

- If the node with node number *bb....bb* is running

Check the message log file for the node on which the error occurred, and then take corrective action for the output error message. Then, execute the `adbsyndict -s` command to synchronize the synonym dictionary files.

KFAA52000-I

Threads for command execution were reserved. (command = "aa....aa", number of reserved threads = bb....bb) (M +S)

The command *aa....aa* is to be executed with *bb....bb* threads.

aa....aa:

Command name

bb....bb:

Number of threads to be used for command execution

S:

Continues processing.

KFAA52001-I

The number of threads that the command uses during the processing of "aa....aa" is *bb....bb*. (M)

The number of threads to be used in the command processing (*aa....aa*) is *bb....bb*.

aa....aa: Command processing

- `LOAD_RTHD`: Data storage processing
- `SCAN_RTHD`: Target table data search processing
- `IDXRECORD_RTHD`: Index record file creation processing
- `SORT_RTHD`: Index record file sort processing
- `INDEX_RTHD`: Index creation and maintenance processing
- `OUTPUT_RTHD`: Search result output processing
- `WATCH_RTHD`: Progress monitoring processing
- `REMOVE_CHUNK_RTHD_NUM`: Chunk deletion processing
- `PURGE_CHUNK_RTHD_NUM`: Processing to delete data in chunks

bb....bb:

Number of threads used for *aa....aa*

S:

Continues processing.

KFAA52005-I

Now waiting for a process that is referencing table "aa....aa"."bb....bb" to finish. (command = "cc....cc") (M+S)

The system is waiting for termination of the processing that is referencing table "aa....aa"."bb....bb".

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc:

Command name

S:

Continues processing.

Action:

Wait for termination of the processing that is referencing table "aa....aa"."bb....bb". Alternatively, cancel the processing that is referencing table "aa....aa"."bb....bb".

KFAA52100-E

The file format is invalid. (command = "aa....aa", file name = "bb....bb", row = cc....cc) (E+M)

The format of the file *bb....bb* is invalid.

aa....aa:

Name of the executed command

bb....bb:

Input data file name

cc....cc:

Row number

S:

Terminates processing.

Action:

Data item no. *cc....cc* in the input data file output to *bb....bb* is invalid. Check the following:

- When the input data file is in CSV format, make sure that there is a linefeed at the end of data item no. *cc....cc*. If there is no linefeed, enter a linefeed character.
- When the input data file (including the linefeed code) is in a fixed-length format, make sure that the number of bytes in the linefeed code of data item no. *cc....cc* are included in the input record length.
- Make sure that the end of data item no. *cc....cc* is not cut off. If the data is cut off, check the contents of the input data file, and enter the correct data.

KFAA52101-E

Unable to acquire the cost of the column store table. (E+M)

Cost information from the column store table cannot be collected.

S:

Terminates processing.

Action:

You cannot use the command `adbgetcst` to collect table cost information from the column store table.

This message is output when the column store table is specified for the `-t` option of the command `adbgetcst`.

KFAA52200-E

The operand "aa....aa" cannot be used. Use the operand "bb....bb". (M)

You can no longer specify the operand *aa....aa* in the server definition. Specify the operand *bb....bb* in the server definition instead.

aa....aa: Name of the operand that can no longer be specified

- `adb_cmd_rthd_num`

bb....bb: Name of the operand to specify

- `adb_sql_exe_max_rthd_num`

S:

Stops the HADB server's start processing.

Action:

You cannot specify the operand `adb_cmd_rthd_num` in HADB server version **04-01** or later versions. Therefore, delete this operand. The operand `adb_sql_exe_max_rthd_num` takes the place of the operand `adb_cmd_rthd_num`. Therefore, revise the value specification for the operand `adb_sql_exe_max_rthd_num`, and then start the HADB server.

For details about the actions to take when the operand `adb_cmd_rthd_num` is specified, see *Re-examining the values specified in the server definition and command options (version 04-01 or later)* in *Steps to take after version upgrading* in the *HADB Setup and Operation Guide*.

KFAA52201-W

The operand "aa....aa" is specified. (M)

The *aa....aa* operand is specified in the server definition.

aa....aa: Operand name

- `adb_sta_log_size_unit`

S:

Continues processing.

Action:

The `adb_sta_log_size_unit` operand, specified during verification of system operation, can be used to change the unit of the maximum size of statistics log files. If this message is output at any time other than during verification of system operation, comment out the `adb_sta_log_size_unit` operand. In addition, confirm that there is no problem with the value specified for the `adb_sta_log_max_size` operand in the server definition.

2.4 Messages from KFAA60000 to KFAA69999

KFAA60001-E

An error occurred during processing to initialize the HADB system. For more information, see the message log. (L+M)

An error occurred during HADB server start processing. For details, check the message log file.

S:

Terminates processing.

Action:

Check the message log file and eliminate the cause of the error. Then, execute the `adbstart` command again to start the HADB server.

KFAA60002-E

An error occurred during processing to terminate the HADB system. For more information, see the message log. (L+M)

An error occurred during HADB server termination processing. For details, check the message log file.

S:

Terminates processing.

Action:

Check the message log file and eliminate the cause of the error. Then, execute the `adbstop` command again to terminate the HADB server.

KFAA60003-E

The HADB system aborted because an error occurred. (information 1 = *aa....aa*, information 2 = *bb....bb*, information 3 = *cc....cc*, information 4 = *dd....dd*, information 5 = *ee....ee*, information 6 = *ff....ff*) (L+M)

The HADB server, a command, or an application program terminated abnormally because an error occurred.

aa....aa to *ff....ff*: Troubleshooting information

If no information to display exists, three asterisks (***) are displayed.

S:

Terminates the HADB server abnormally.

Action:

Take the appropriate action based on the message indicating the cause of error that was output immediately before this message.

KFAA60004-E

An error occurred in the HADB system. (information = *aa....aa*) Save troubleshooting information by the "adbinfoget" command, and then contact customer service. (M)

A failure has occurred on the HADB server.

aa....aa:

Troubleshooting information

S:

Terminates the HADB server abnormally.

Action:

Execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA60005-E

An internal contradiction was detected in the HADB system. (information 1 = *aa....aa*, information 2 = *bb....bb*, information 3 = *cc....cc*, information 4 = *dd....dd*, information 5 = *ee....ee*, information 6 = *ff....ff*) Save troubleshooting information by the "adbinfoget" command, and then contact customer service. (L+M)

This message is output when an internal conflict is detected.

aa....aa to *ff....ff*: Troubleshooting information

If no information to display exists, three asterisks (***) are displayed.

S:

Terminates the HADB server abnormally.

Action:

Execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA60007-E

An internal contradiction was detected in the HADB system. (information 1 = *aa....aa*, information 2 = *bb....bb*, information 3 = *cc....cc*, information 4 = *dd....dd*, information 5 = *ee....ee*, information 6 = *ff....ff*) Save troubleshooting information by the "adbinfoget" command, and then contact customer service. (L+M)

This message is output when an internal conflict is detected.

aa....aa to *ff....ff*: Troubleshooting information

If no information to display exists, three asterisks (***) are displayed.

S:

Terminates processing.

Action:

Execute the `adbinfoget` command, collect troubleshooting information, and then contact the customer support center. After that, re-execute the SQL statement or command.

KFAA60008-W

Only one server is running in a multi-node configuration. (host name = *aa....aa*, IP address = *bb....bb*) (L+M)

Only one node is operating in a multi-node configuration.

aa....aa: Host name

Name of the host of the operating node

bb....bb: IP address

IP address of the operating node

S:

Continues processing.

Action:

If necessary, return another node to the multi-node configuration.

KFAA60009-E

The HADB server in the multi-node configuration will now stop, because *aa....aa*. (L+M)

The HADB server in the multi-node configuration will now stop because no node can switch over to a master node.

aa....aa: Reason of termination of HADB server in multi-node configuration

- there is no node that can switch over to the master node
No node can switch over to a master node.

S:

Terminates processing.

Action:

See the message output in the message log file, and then eliminate the cause of the error. Then, start the HADB server in a multi-node configuration.

KFAA60010-W

The HADB server of the connection-destination node terminated abnormally. (node number = *aa....aa*, host name = *bb....bb*, IP address = *cc....cc*) (L+M)

An abnormal termination was detected on the HADB server at the connection target.

aa....aa:

Number of the node where abnormal HADB server termination was detected

bb....bb:

Host name of the node where abnormal HADB server termination was detected (communication between servers)

cc....cc:

IP address of the node where abnormal HADB server termination was detected (communication between servers)

S:

Continues processing.

Action:

Remove the cause of the error that triggered the abnormal termination of the HADB server. Then, return the node disconnected from the multi-node configuration to the multi-node configuration. For details about how to return the node to the multi-node configuration, see *Returning a node to the multi-node configuration* in the *HADB Setup and Operation Guide*.

KFAA60012-E

A inconsistency occurred between the node status of HADB server and the server status of HA monitor. Terminate either the HADB server on the other node (node number = *aa....aa*) or the HADB server on local node forcibly.
(L+M)

An inconsistency occurred between the node status of the HADB server and the server status of HA Monitor.

Forcibly terminate the HADB server on the node with node number *aa....aa* or the HADB server on the node where this message was output.

aa....aa:

Node number of the node with inconsistent status

S:

Continues processing.

Action:

- If this message is output on the master node

On the slave node with *aa....aa*, execute the `adbstop --force` command to forcibly terminate the HADB server.

If necessary, return the node disconnected from the multi-node configuration to the multi-node configuration.

- If this message is output on a slave node

If *aa....aa* indicates the master node, execute the `adbstop --force` command to forcibly terminate the HADB server on the node where this message was output.

If *aa....aa* indicates a slave node, forcibly terminate the HADB server on either of the following nodes by using the `adbstop --force` command:

- The node where this message was output
- The node of *aa....aa*

Of the above nodes, forcibly terminate the HADB server on the node for which a larger value is specified for the `standbypri` operand in HA Monitor's `servers` file.

If necessary, return the node disconnected from the multi-node configuration to the multi-node configuration.

KFAA60013-E

The processing to switch over to the master node failed because the HADB server of switching destination node was performing termination processing. (L+M)

An attempt to switch over a master node failed because the HADB server on the switching destination node was performing termination processing.

S:

Terminates processing.

Action:

If master node switchover failed, another slave node is selected as the switching destination (the slave node with the next higher priority is selected by HA Monitor).

If the switching-destination slave node does not exist, the HADB server in the multi-node configuration terminates. If necessary, start the HADB server in the multi-node configuration.

KFAA60014-W

The *aa....aa* processing is delayed. (file = *bb....bb*) (L+M)

The *aa....aa* processing for the file *bb....bb* is delayed.

aa....aa: Processing that is delayed

- *read*: Read processing
- *write*: Write processing

bb....bb:

File name

S:

Continues processing.

Action:

A failure might have occurred on the disk where the file *bb....bb* is stored. Terminate the HADB server, and then check whether a disk failure occurred. If a disk failure occurred, eliminate the cause of the failure. Then, start the HADB server.

If no disk failure occurred, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA60100-E

An internal parameter is invalid. (information1 = *aa....aa*, information2 = *bb....bb*, information3 = "cc....cc") Save troubleshooting information by the "adbinfoget" command, and then contact customer service. (M)

An internal parameter is invalid.

aa....aa:

Troubleshooting information 1

bb....bb:

Troubleshooting information 2

cc....cc:

Troubleshooting information 3

S:

Terminates processing.

Action:

Execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA60200-W

Reorganization is recommended for the chunk with the chunk ID "aa....aa" in the table "bb....bb"."cc....cc". (E+M)

We recommend that you reorganize chunk data (chunk ID "aa....aa") in the table "bb....bb"."cc....cc".

aa....aa:

Chunk ID

bb....bb:

Schema name

cc....cc:

Table identifier

S:

Continues processing.

Action:

Performance of data retrieval from the chunk data (chunk ID "aa....aa") in the table "bb....bb"."cc....cc" might have decreased due to addition, update, or deletion repeated by SQL statements. We recommend that you reorganize chunk data (chunk ID "aa....aa") in the table "bb....bb"."cc....cc".

For details about how to reorganize data in multi-chunk tables and the causes of decreased retrieval performance, see *Checking whether a multi-chunk table needs to be reorganized* in the *HADB Setup and Operation Guide*.

For details about how to reorganize data in single-chunk tables and the causes of decreased retrieval performance, see *Checking whether a single-chunk table needs to be reorganized* in the *HADB Setup and Operation Guide*.

KFAA60209-E

A logical inconsistency occurred in the program. (func = aa....aa, invalid data = bb....bb) (L+M)

A logical inconsistency has occurred in the program.

aa....aa:

Function name

bb....bb:

Invalid data

S:

Terminates processing.

Action:

Execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA60284-E

The data type *aa....aa* is not supported. (L+M)

Data type *aa....aa* is not supported.

aa....aa:

Data type

S:

Terminates processing.

Action:

Execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA60300-E

Initialization of the communication service failed. (reason = "*aa....aa*") (L+M)

Initialization of the communication service has failed.

aa....aa: Cause of the error

- **environment**: The server environment is invalid.
- **resource**: Insufficient system resources
- **system call**: A system call error

S:

Terminates processing.

Action:

Open the message log file and check the messages that were output prior to this message. Eliminate the cause of the error based on those messages, and then retry the operation.

KFAA60302-E

An unexpected error occurred. (info. = "*aa....aa*") Save troubleshooting information by the "adbinfoget" command, and then contact customer service. (L+M)

An unexpected error has occurred.

aa....aa:

Maintenance information

S:

Terminates processing.

Action:

Execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA61200-W

Page allocation is delayed. (DB area = *aa....aa*, page type = *b*) (L+M)

Page allocation has been delayed.

aa....aa:

Affected DB area name

b: Page whose allocation is delayed

- d: Directory page
- w: Work table page
- t: Data page
- h: Upper page
- f: Leaf page
- r: Row ID directory page
- s: Row ID list page
- a: Range index page
- i: String control page
- p: Position control page

S:

Continues processing.

Action:

The number of global buffer sectors allocated to the DB area might be insufficient.

Once processing has terminated, execute the `adbstop` command to terminate the HADB server. Then, take one of the following corrective actions:

- If the affected DB area name *aa....aa* is specified in the server definition's `adbbuff` operand

Take corrective action as described in the following table:

Target page displayed for <i>b</i>	Corrective action	
	-a option specified	-a option omitted
The target page is a.	Increase the value specified in the -a option of the <code>adbbuff</code> operand.	Increase the value specified in the -p option of the <code>adbbuff</code> operand.
The target page is not a.	Increase the value specified in the -p option of the <code>adbbuff</code> operand.	

- If the affected DB area name *aa....aa* is not specified in the server definition's `adbbuff` operand
Allocate a new global buffer to the affected DB area name *aa....aa*.

Once you have taken the appropriate corrective action, start the HADB server with the `adbstart` command, and then re-execute the processing.

KFAA61205-W

During execution of *aa....aa*, key values on a unique index were duplicated. Processing for *aa....aa* will continue.
(index ID = *bb....bb*) (L+M)

Duplicate key values were inserted in an index while the *aa....aa* command was being executed. Command processing continues.

aa....aa:

Name of the command that was executing

bb....bb:

Index ID

S:

Continues processing.

Action:

The affected index violates uniqueness constraints. Find the duplicate key values in the table for which that index is defined, and then delete the lines that have the duplicate key values.

For details about how to find duplicate key values, see *Steps to take when the uniqueness constraint is violated (when the KFAA61205-W message is output)* in the *HADB Setup and Operation Guide*.

Note that you can use an index ID as a key to identify the names of the table and column in which key value duplication exists. For details about how to do this, see *Searching a dictionary table* in the *HADB Setup and Operation Guide*.

KFAA61210-E

DB area pages are insufficient. DB area = "*aa....aa*" (L+M)

A DB area file cannot be expanded because there is not enough free disk space.

aa....aa:

DB area name

S:

Invalidates this transaction.

Action:

Change the storage location of the DB area file. Alternatively, expand the disk space that holds DB area files. For details about this problem, see *Problems related to free space on the disk* in the *HADB Setup and Operation Guide*.

KFAA61211-E

The amount of free space in the system log file "aa....aa" is insufficient. (L+M)

There is not enough storage area for the system log file.

aa....aa:

System log file name

S:

Invalidates this transaction.

Action:

Allocate a sufficient amount of space on the disk that stores the system log file *aa....aa*, and then re-execute the operation.

KFAA61212-W

An attempt to delete an archive directory failed. (L+M)

An attempt to delete an archive directory failed.

S:

Ignores the error indicated in the KFAA41205-E message and then continues processing.

Action:

Check the existence of the file or directory indicated by *aa....aa* in the KFAA41205-E message that was output immediately prior to this message.

▪ If the file or directory does not exist:

Check whether the file or directory under the archive directory has been deleted. Files and directories under the archive directory can be deleted only when an instruction is given from the HADB server.

▪ If the file or directory exists:

Perform the following procedure to take action.

1. In the OS documentation, check the system call name indicated by *bb....bb* and the error number indicated by *cc....cc* in the KFAA41205-E message that was output immediately prior to this message, and then eliminate the cause of the error.

If an error occurred in a symbolic link file, check the link target files in addition to that file.

If you cannot determine the corrective action to take based on the displayed system call name and error number, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

2. Execute the `adbdbstatus` command for all the archivable multi-chunk tables to acquire usage information for the archived chunks.

3. Confirm the archive file name output to the `Archive_file_name` column of usage information.

4. If the directory name indicated by *aa....aa* in the KFAA41205-E message is not included in the archive file path name you confirmed in step 3, delete this directory.

(Example)

Assume that `/aaa/bbb/ccc` is indicated by *aa....aa* in the KFAA41205-E message.

If `/aaa/bbb/ccc` is indicated in the `Archive_file_name` column

Do not delete the directory indicated by *aa....aa*.

If /aaa/bbb/ddd is indicated in the Archive_file_name column

Delete the directory indicated by *aa....aa*.

If /aaa/bbb/ccc/ddd is indicated in the Archive_file_name column

Do not delete the directory indicated by *aa....aa*.

Note that if the archive directory has been created on another server, the possible causes of the error are as follows:

- A communication is not established between servers.
- The file system containing the archive directory is not mounted correctly.

If the HADB server terminates abnormally during processing to restore the database due to rollback, restart of the HADB server, or master node switchover, deletion processing is performed again for the deleted directory. At this time, even if this message and the KFAA41205-E message are output, you can ignore them.

KFAA61213-W

The number of unused segments will soon not be enough to reorganize the table "*aa....aa*".*bb....bb*". Only *cc....cc*% of the segments remain unused. Execute the `adbreorgsystemdata` command for the table. (L+M)

The number of unused segments will soon not be enough to reorganize the table "*aa....aa*".*bb....bb*". *cc....cc*% of the segments remain unused. Execute the `adbreorgsystemdata` command for the table "*aa....aa*".*bb....bb*".

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc:

Percentage (50, 30, 20, or 10)

S:

Continues processing.

Action:

Execute the `adbreorgsystemdata` command for the table "*aa....aa*".*bb....bb*". For details about the `adbreorgsystemdata` command, see *adbreorgsystemdata (Reorganize System Table)* in the manual *HADB Command Reference*.

If the number of segments used by the table "*aa....aa*".*bb....bb*" and by the index defined for this table "*aa....aa*".*bb....bb*" exceeds the number of unused segments, the `adbreorgsystemdata` command might be disabled. If the `adbreorgsystemdata` command cannot be executed, invalid row data continuously increases and finally, no free space will be left on the disk to store DB area files. As a result, operation that updates the system table (base table) can no longer be performed.

For details about how to reorganize the system table (base table), see *Reorganizing system tables* in the *HADB Setup and Operation Guide*.

KFAA61214-W

The number of unused segments is not enough to reorganize the table "aa....aa"."bb....bb". Execute the `adbreorgsystemdata` command for the table as soon as possible. (L+M)

The number of unused segments is not enough to reorganize the table "aa....aa"."bb....bb". Immediately execute the `adbreorgsystemdata` command for the table "aa....aa"."bb....bb".

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

Action:

Immediately execute the `adbreorgsystemdata` command for the table "aa....aa"."bb....bb". For details about the `adbreorgsystemdata` command, see *adbreorgsystemdata (Reorganize System Table)* in the manual *HADB Command Reference*.

If executing the `adbreorgsystemdata` command results in the KFAA30756-E message output, follow the instruction of the corrective action for the KFAA30756-E message.

KFAA61400-W

Failed to delete *aa....aa*. (S+L+M)

An attempt to delete *aa....aa* failed.

aa....aa:

- `an unload file`: Unload file

S:

Ignores the error indicated in the KFAA41205-E message and continues processing.

Action:

Check the existence of the file or directory indicated by *aa....aa* in the KFAA41205-E message that was output immediately prior to this message.

- If the file or directory does not exist

The unload file has already been deleted. No action is needed.

- If the file or directory exists

In the OS documentation, check the system call name indicated by *bb....bb* and the error number indicated by *cc....cc* in the KFAA41205-E message that was output immediately prior to this message, and then eliminate the cause of the error.

If you cannot determine the corrective action to take based on the displayed system call name and error number, execute the `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

Eliminate the cause of the error, and then delete the target file.

2.5 Messages from KFAA70000 to KFAA79999

KFAA70000-I

A connection was established. (connection identifier = *aaaa*, application identifier = "bb....bb", client group = "cc....cc", connection serial number = *dd....dd*, connection information = *ee....ee*) (M)

A connection to the HADB server has been established. The connection ID is *aaaa*.

aaaa:

Connection ID

bb....bb:

Application identifier

cc....cc:

Name of the client group to which the client belongs, or name of the command group to which the command belongs

dd....dd:

Connection sequence number (starting with 1) that is allocated after the HADB server starts

ee....ee:

Connection information

S:

Continues processing.

KFAA70001-I

The connection was ended. (connection identifier = *aaaa*, connection information = *bb....bb*) (M)

The connection of connection ID *aaaa* has been terminated.

aaaa:

Connection ID

bb....bb:

Connection information

S:

Continues processing.

KFAA70002-I

The client directory specified for the environment variable ADBCLTDIR is "aa....aa". (M)

The client directory specified in environment variable ADBCLTDIR is *aa....aa*.

aa....aa:

Path of the client directory specified in environment variable ADBCLTDIR

S:

Continues processing.

KFAA70003-I

The HADB client version is "*aa....aa(bb....bb)*". (M)

The version of the HADB client is *aa....aa(bb....bb)*.

aa....aa:

The HADB client version

This is output in the format *vv-rr-zz*. *zz* might not be output.

vv: Version number

rr: Revision number

zz: Code

bb....bb:

Additional version information for the HADB client

S:

Continues processing.

KFAA70004-I

The character encoding specified for the environment variable ADBCLTLANG is "*aa....aa*". (M)

The character encoding specified for the environment variable ADBCLTLANG is *aa....aa*.

aa....aa:

The character encoding specified for the environment variable ADBCLTLANG

S:

Continues processing.

KFAA70005-I

The HADB client has sent an SQL statement to the HADB server. (SQL statement = "*aa....aa*", node number=*b*)
(M)

The HADB client has sent SQL statement *aa....aa* to the HADB server.

aa....aa: Specified SQL statement

Only the first 2,048 bytes of the SQL statement is output.

b: Node number

If you are not using the multi-node function, the node number is always 1.

S: Continues processing.

If an error occurred during preprocessing of the SQL statement output by this message, (for `a_rdb_SQLExecDirect()`, this also includes when the SQL statement is executed), an error message is output immediately after this message.

KFAA70006-I

A transaction isolation level was set. (isolation level = "aa....aa") (M)

The transaction isolation level has been set to *aa....aa*.

aa....aa: The transaction isolation level set

- READ COMMITTED
- REPEATABLE READ

S:

Continues processing.

KFAA70008-E

ISO cannot be specified for the sorting order, because the character encoding to be used on the HADB client is not Unicode (UTF-8). (`ADBCCLTLANG = aa....aa`, `adb_clt_sql_order_mode = bb....bb`) (M)

ISO cannot be specified as the sort order because the character encoding used by the HADB client is not Unicode (UTF-8).

aa....aa: Value of the `ADBCCLTLANG` environment variable

- SJIS: Shift-JIS is specified as the character encoding used by the HADB client.

bb....bb: Value of the `adb_clt_sql_order_mode` client definition operand

- ISO: ISO is specified as the sort order.

S:

Continues processing.

Action:

Specify `BYTE` in the `adb_clt_sql_order_mode` client definition operand, and then re-execute the application program.

KFAA70009-I

The transaction access mode was set. (access mode = "aa....aa") (M)

A transaction access mode was set.

aa....aa: Transaction access mode that was set

- READ WRITE: Read/write mode
- READ ONLY: Read-only mode

S:

Continues processing.

KFAA71002-E

This object is not active because a transaction terminated. (J)

This object was invalidated because its transaction has terminated (which includes implicit rollbacks). <SQLSTATE: R2411>

S:

Terminates processing.

Action:

Re-create the relevant Statement, PreparedStatement, and ResultSet objects.

KFAA71017-E

The table type is invalid. (index = *aa....aa*, table type = *bb....bb*) (J)

The type of the table specified by the getTables method argument for the String-type array is invalid. <SQLSTATE: R2412>

aa....aa: Subscript of String-type array

If a String-type array with a length of 0 is specified, 0 is displayed.

bb....bb: Value of specified table type

If a String-type array with a length of 0 is specified, *** is displayed.

S:

Terminates processing.

Action:

Specify the table type correctly.

KFAA71202-E

Processing cannot continue because the statement is already closed. (J)

Processing cannot be accepted because the Statement instance is already closed. <SQLSTATE: R2413>

S:

Terminates processing.

Action:

Re-generate the Statement instance, and then retry the operation.

KFAA71203-E

Conversion of the character encoding failed. (J)

Conversion of the character encoding failed. <SQLSTATE: R2414>

S:

Terminates processing.

Action:

Check and, if necessary, revise the following values:

- The value of the property ENCODELANG specified when a connection to the database is established
- The value of encodeLang in the URL specified when a connection to the database is established
- The value specified for the setEncodeLang method, which is a connection information setup method

Also make sure that invalid characters are not contained in the character string that was being handled when an error occurred.

KFAA71204-E

Reading of java.io.Reader or java.io.InputStream failed. (J)

An attempt to read from the java.io.Reader or java.io.InputStream specified by one of the following methods of the PreparedStatement interface has failed. <SQLSTATE: R2415>

- setAsciiStream
- setCharacterStream

S:

Terminates processing.

Action:

Carefully review the specified java.io.Reader or java.io.InputStream.

KFAA71206-E

Processing cannot continue because the connection is already closed. (J)

Processing cannot be accepted because the Connection instance is already closed. <SQLSTATE: R2416>

S:

Terminates processing.

Action:

Re-generate the Connection instance, and then retry the operation.

KFAA71209-E

The method is not supported. (method = *aa....aa*) (J)

Method *aa....aa* cannot be used because is not supported. <SQLSTATE: R2417>

aa....aa:

Method name

S:

Terminates processing.

Action:

Make sure that method *aa....aa* is not called.

KFAA71210-E

Batch SQL processing failed because the result set of the following SQL was returned. (SQL = "aa....aa") (J)

Batch processing cannot be performed because the SQL statement *aa....aa* returns a result set. <SQLSTATE: R2418>

aa....aa:

SQL statement

S:

Terminates processing.

Action:

Carefully review the specified SQL statement.

KFAA71211-E

The fetch direction is not supported. (direction = *aa....aa*) (J)

The operation cannot be executed because *aa....aa*, which was specified with the `setFetchDirection` method, is not supported. <SQLSTATE: R2419>

aa....aa: The literal name defined by the `ResultSet` of the value specified with the `setFetchDirection` method

However, when the specified value is not defined with `ResultSet`, *aa....aa* is the value specified with the `setFetchDirection` method.

S:

Terminates processing.

Action:

Specify `ResultSet.FETCH_FORWARD`.

KFAA71212-E

The fetch size is invalid. (size = *aa....aa*) (J)

The value *aa....aa* of an argument specified with the `setFetchSize` method has one of the following errors.
<SQLSTATE:R2420>

- The argument has a value outside the range 0 to 65535.
- The value specified with the `setMaxRows` method is 1 or more, and the value specified with the `setFetchSize` method is greater than the value specified with the `setMaxRows` method.
- The value specified with the `setLargeMaxRows` method is 1 or more, and the value specified with the `setFetchSize` method is greater than the value specified with the `setLargeMaxRows` method.

aa....aa:

The value of the argument specified with the `setFetchSize` method

S:

Terminates processing.

Action:

Carefully review the contents of the specified argument.

KFAA71218-E

Processing cannot continue because *aa....aa* is already closed. (J)

Processing cannot be accepted because the *aa....aa* instance is already closed. <SQLSTATE: R2421>

aa....aa:

Instance name

S:

Terminates processing.

Action:

Re-generate the *aa....aa* instance, and then retry the operation.

KFAA71222-E

Unable to acquire the object of the specified class = *aa....aa* in the unwrap method. (J)

Objects of the class specified by the `unwrap` method of the `Wrapper` interface cannot be acquired. <SQLSTATE: R2423>

aa....aa:

The fully qualified name of the class specified as an argument of the `unwrap` method

S:

Terminates processing.

Action:

Specify an appropriate class.

KFAA71223-E

The length of an SQL statement exceeds 16,000,000 characters. (J)

The length of an SQL statement exceeds 16,000,000 characters. <SQLSTATE: R2473>

S:

Ignores this SQL statement.

Action:

Correct the SQL statement length.

KFAA71301-E

Registration of the JDBC driver failed. (J)

An attempt to register the JDBC driver with the driver manager has failed. <SQLSTATE: R2424>

S:

Terminates processing.

Action:

There might be a problem with the Java execution environment. Check for Java execution environment-related problems, such as problems with the JRE version.

KFAA71446-W

The result set type was changed to *aa....aa* because the `TYPE_SCROLL_SENSITIVE` result set type is not supported. (J)

The result set type was changed to *aa....aa* because the result set type that allows scrolling with updated content is not supported. <SQLSTATE: 01J11>

aa....aa:

Result set type after the change

S:

Continues processing.

KFAA71447-W

The result set type was changed to the concurrent processing type *aa....aa* because CONCUR_UPDATABLE result sets are not supported. (J)

The result set type was changed to *aa....aa*, the concurrent processing type, because updatable result sets are not supported. <SQLSTATE: 01J12>

aa....aa:

Concurrent processing type in the result set, after the change

S:

Continues processing.

KFAA71448-E

The result set type is invalid. (type = *aa....aa*) (J)

The scroll type value *aa....aa* of the specified result set is an invalid scroll type that is not defined by ResultSet. <SQLSTATE: R2425>

aa....aa:

Scroll type value for the specified result set

S:

Terminates processing.

Action:

Carefully review the scroll type of the result set.

KFAA71449-E

The result set concurrency type is invalid. (concurrency = *aa....aa*) (J)

The concurrent processing type value *aa....aa* of the specified result set is an invalid concurrent processing type that is not defined by ResultSet. <SQLSTATE: R2426>

aa....aa:

Value of concurrent processing type for the specified result set

S:

Terminates processing.

Action:

Carefully review the concurrent processing type of the result set.

KFAA71450-E

The escape syntax is invalid. (code = *aaaa*) (J)

The escape clause of the specified SQL statement is invalid. <SQLSTATE: R2427>

aaaa: Reason code

- 0001: The escape clause contains { and keywords (d, t, ts, escape, fn) but does not contain }.
- 0009: No argument is specified following LOG10 in the escape clause.

S:

Terminates processing.

Action:

Specify a valid escape clause.

KFAA71452-E

The connection information specified in *aa....aa* is invalid. (value = "bb....bb") (J)

The connection information specified by *aa....aa* is invalid. <SQLSTATE: R2428>

aa....aa:

■ If the connection was established using the getConnection method of the DriverManager class

One of the following is displayed:

- Settings specified for the URL or user properties

Note that the following information is displayed, just as for user properties, even if the URL's host name or port number is invalid.

- Host name: adb_clt_rpc_srv_host
- Port number: adb_clt_rpc_srv_port
- setLoginTimeout

If the value specified with the setLoginTimeout method is invalid, setLoginTimeout is displayed.

■ If the setXXX method for setting connection information of the DataSource or ConnectionPoolDataSource class is executed

The method name of the setXXX method is displayed.

■ In other cases

The item specified for a system property is displayed.

bb....bb: Value specified by *aa....aa*

If no value was specified, null is displayed.

S:

Terminates processing.

Action:

Carefully review the connection information specified by *aa....aa*.

KFAA71453-E

The result set holdability value (*aa....aa*) is invalid. (J)

The value *aa....aa* of the holdability of the specified result set is an invalid value that is not defined in the `ResultSet` class. <SQLSTATE: R2429>

aa....aa:

Holdability value in the specified result set

S:

Terminates processing.

Action:

Carefully review the holdability value of the result set.

KFAA71454-W

The result set holdability value was changed to *aa....aa* because the `CLOSE_CURSORS_AT_COMMIT` result set holdability is not supported. (J)

Because `CLOSE_CURSORS_AT_COMMIT` cannot be specified for the result set holdability, the result set holdability has been changed to *aa....aa*. <SQLSTATE: 01J13>

aa....aa:

Holdability of the result set after the change

S:

Continues processing.

KFAA71562-E

The max rows value is invalid. (value = *aa....aa*) (J)

Negative values cannot be specified for the maximum selection row count that is specified with the `setMaxRows` method or `setLargeMaxRows` method. <SQLSTATE: R2430>

aa....aa:

The value for the maximum selection row count specified with the `setMaxRows` method or `setLargeMaxRows` method

S:

Terminates processing.

Action:

Carefully review the maximum selection row count specified with the `setMaxRows` method or `setLargeMaxRows` method.

KFAA71563-E

The SQL statement is invalid. It might be NULL or empty. (J)

The specified SQL statement might be a null value or a character string with a length of 0. <SQLSTATE: R2431>

S:

Terminates processing.

Action:

Correct the SQL statement.

KFAA71564-E

The query timeout value is invalid. It might be negative. (value = *aa....aa*) (J)

Negative values cannot be specified for the timeout value that is specified with the `setQueryTimeout` method. <SQLSTATE: R2432>

aa....aa:

Timeout value specified with the `setQueryTimeout` method

S:

Terminates processing.

Action:

Carefully review the timeout value specified with the `setQueryTimeout` method.

KFAA71565-E

The max field size is invalid. It might be negative. (size = *aa....aa*) (J)

Negative values cannot be specified for the maximum field length that is specified with the `setMaxFieldSize` method. <SQLSTATE: R2433>

aa....aa:

The value for the maximum field length specified with the `setMaxFieldSize` method

S:

Terminates processing.

Action:

Carefully review the maximum field length specified with the `setMaxFieldSize` method.

KFAA71566-E

This SQL cannot be executed by `executeQuery`. (J)

This SQL statement cannot be executed by executeQuery. <SQLSTATE: R2434>

S:

Terminates processing.

Action:

Specify an SQL statement that returns a result set in executeQuery.

KFAA71567-E

This SQL cannot be executed by executeUpdate. (J)

This SQL statement cannot be executed by executeUpdate method or executeLargeUpdate method.

<SQLSTATE: R2435>

S:

Terminates processing.

Action:

Specify an SQL statement that does not return a result set in executeUpdate method or executeLargeUpdate method.

KFAA71569-E

The number of registration entries exceeded the max. (J)

The number of batch registrations exceeded the upper limit of 2,147,483,647. <SQLSTATE: R2436>

S:

Terminates processing.

Action:

Change the number of batch registrations to 2,147,483,647 or fewer.

KFAA71570-E

Execution of an SQL statement timed out during the retry processing that waits for threads to become available. (J)

A timeout occurred during execution of an SQL statement because processing to allocate a processing real thread was repeated. <SQLSTATE: R2476>

The timeout period is specified by the following method or property.

- `setQueryTimeout` method
- `adb_clt_rpc_sql_wait_time`, which is a system property, user property, or URL connection property

S:

Terminates processing.

Action:

For details about how to take action, see *Note about executing multiple SELECT statements concurrently in the same connection* in *How to retrieve data* in the *HADB Application Development Guide*.

KFAA71680-E

This SQL type is not supported. (type = *aa....aa*) (J)

Parameters of the SQL data type *aa....aa* cannot be set. <SQLSTATE: R2437>

aa....aa: The specified SQL type

The literal name defined by `java.sql.Types` is displayed.

S:

Terminates processing.

Action:

Do not specify *aa....aa* as an SQL type.

KFAA71681-E

A parameter is not set. (index = *aa....aa*) (J)

The *aa....aath* parameter has not been set. <SQLSTATE: R2438>

aa....aa:

Parameter number

S:

Terminates processing.

Action:

Set the *aa....aath* parameter.

KFAA71682-E

A parameter is invalid. (code = *aa(bb....bb)*) (J)

The content of a parameter is invalid. <SQLSTATE: R2439>

aa: Reason code

- 01: Reason code that indicates invalid length

bb....bb: Additional information

- invalid length: Negative values cannot be specified in byte counts of streams specified in arguments.

S:

Terminates processing.

Action:

Guided by the details of the additional information for the reason code, carefully review the parameter contents.

KFAA71683-E

The parameter index is invalid. (index = *aa....aa*) (J)

The value of the parameter index is invalid. <SQLSTATE: R2440>

aa....aa:

Parameter index value

S:

Terminates processing.

Action:

Correct the parameter index value.

KFAA71687-E

The object cannot be converted to the SQL type. (object = "*aa....aa*", SQL type = "*bb....bb*") (J)

The object *aa....aa* that was specified with the `setObject` method cannot be converted to the SQL data type *bb....bb*. <SQLSTATE: R2441>

aa....aa:

Object name of the specified object

bb....bb: The specified SQL type

The literal name specified by `java.sql.Types` is displayed.

S:

Terminates processing.

Action:

Specify an SQL type that can be converted. Alternatively, specify an object compatible with the SQL type.

KFAA71690-E

The data cannot be converted to the table definition type. The number of integer digits might conflict. (J)

The data cannot be converted to the data type of the table definition because the number of digits of the integer portion of the specified data exceeds the number of digits of the integer part of the table definition. <SQLSTATE: R2442>

S:

Terminates processing.

Action:

Carefully review the specified data.

KFAA71691-E

A value might be outside the valid table definition range, or might be of an unconvertable type. (data type = *aa....aa*, parameter index = *bb....bb*) (J)

The data is a value that is outside the range of the data type at the conversion destination, or else it is in a format that cannot be converted. <SQLSTATE: R2443>

aa....aa: Data type at the conversion destination

For processing that converts to the data type of the corresponding dynamic parameter, this is one of the following SQL data types:

{ BINARY | VARBINARY | CHAR | DATE | DECIMAL | DOUBLE PRECISION | INTEGER | ROW | SMALLINT | TIME | TIMESTAMP | VARCHAR }

bb....bb:

Specified parameter index value

S:

Terminates processing.

Action:

Revise the data.

KFAA71692-E

This parameter type is not supported. (type = *aa....aa*, index = *bb....bb*) (J)

The data type of the dynamic parameter that corresponds to the specified parameter index cannot be used with this `setXXX` method. <SQLSTATE: R2444>

aa....aa: Data type of the parameter (SQL data type)

{ BINARY | VARBINARY | CHAR | DATE | DECIMAL | DOUBLE PRECISION | INTEGER | ROW | SMALLINT | TIME | TIMESTAMP | VARCHAR }

bb....bb:

Parameter index content

S:

Terminates processing.

Action:

Use the `setXXX` method that corresponds to the data type of the parameter.

KFAA71701-E

The column name is invalid. (column name = "aa....aa") (J)

The column name specified with the `getXXX` method of the `ResultSet` class is invalid. <SQLSTATE: R2445>

aa....aa:

 The specified column name

S:

 Terminates processing.

Action:

 Carefully review the specified column name.

KFAA71704-E

The `getString` method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getString` method of the `ResultSet` class. <SQLSTATE: R2446>

aa....aa:

 Column number

bb....bb:

 Data type of column (SQL data type)

S:

 Terminates processing.

Action:

 Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71705-E

The `getBoolean` method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getBoolean` method of the `ResultSet` class. <SQLSTATE: R2447>

aa....aa:

 Column number

bb....bb: Data type of column (SQL data type)

 { BINARY | VARBINARY | DATE | ROW | TIME | TIMESTAMP }

S:

 Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71706-E

The `getByte` method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getByte` method of the `ResultSet` class. <SQLSTATE: R2448>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BINARY | VARBINARY | CHAR | DATE | DECIMAL | DOUBLE PRECISION | INTEGER | ROW | SMALLINT | TIME | TIMESTAMP | VARCHAR }

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71707-E

The `getShort` method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getShort` method of the `ResultSet` class. <SQLSTATE: R2449>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BINARY | VARBINARY | CHAR | DATE | DECIMAL | DOUBLE PRECISION | INTEGER | ROW | SMALLINT | TIME | TIMESTAMP | VARCHAR }

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71708-E

The `getInt` method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the getInt method of the ResultSet class. <SQLSTATE: R2450>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BINARY | VARBINARY | CHAR | DATE | DECIMAL | DOUBLE PRECISION | INTEGER | ROW | TIME |
TIMESTAMP | VARCHAR }

S:

Terminates processing.

Action:

Specify the getXXX method of the ResultSet class that corresponds to the data type of the column.

KFAA71709-E

The getLong method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the getLong method of the ResultSet class. <SQLSTATE: R2451>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BINARY | VARBINARY | CHAR | DATE | DECIMAL | DOUBLE PRECISION | ROW | TIME | TIMESTAMP |
VARCHAR }

S:

Terminates processing.

Action:

Specify the getXXX method of the ResultSet class that corresponds to the data type of the column.

KFAA71710-E

The getFloat method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the getFloat method of the ResultSet class. <SQLSTATE: R2452>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BINARY | VARBINARY | CHAR | DATE | ROW | TIME | TIMESTAMP | VARCHAR }

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71711-E

The `getDouble` method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getDouble` method of the `ResultSet` class. <SQLSTATE: R2453>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BINARY | VARBINARY | CHAR | DATE | ROW | TIME | TIMESTAMP | VARCHAR }

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71712-E

The `getBigDecimal` method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getBigDecimal` method of the `ResultSet` class. <SQLSTATE: R2454>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BINARY | VARBINARY | CHAR | DATE | ROW | TIME | TIMESTAMP | VARCHAR }

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71713-E

The `getBytes` method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getBytes` method of the `ResultSet` class. <SQLSTATE: R2455>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BOOLEAN | CHAR | DATE | DECIMAL | DOUBLE PRECISION | INTEGER | SMALLINT | TIME | TIMESTAMP | VARCHAR }

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71714-E

The `getDate` method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getDate` method of the `ResultSet` class. <SQLSTATE: R2456>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BINARY | VARBINARY | BOOLEAN | DECIMAL | DOUBLE PRECISION | INTEGER | ROW | SMALLINT }

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71715-E

The `getTime` method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getTime` method of the `ResultSet` class. <SQLSTATE: R2457>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BINARY | VARBINARY | BOOLEAN | DATE | DECIMAL | DOUBLE PRECISION | INTEGER | ROW | SMALLINT }

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71716-E

The getTimestamp method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getTimestamp` method of the `ResultSet` class.
<SQLSTATE: R2458>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BINARY | VARBINARY | BOOLEAN | DECIMAL | DOUBLE PRECISION | INTEGER | ROW | SMALLINT }

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71717-E

The getAsciiStream method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getAsciiStream` method of the `ResultSet` class.
<SQLSTATE: R2459>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BOOLEAN | DATE | DECIMAL | DOUBLE PRECISION | INTEGER | ROW | SMALLINT | TIME | TIMESTAMP }

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71719-E

The getBinaryStream method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getBinaryStream` method of the `ResultSet` class.
<SQLSTATE: R2474>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BOOLEAN | DATE | DECIMAL | DOUBLE PRECISION | INTEGER | ROW | SMALLINT | TIME | TIMESTAMP }

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71721-E

Processing cannot continue because the result set is already closed. (J)

Processing cannot be accepted because the `ResultSet` instance is already closed. Note that the JDBC driver might have closed the `ResultSet` instance by closing the `Statement` instance. <SQLSTATE: R2460>

S:

Terminates processing.

Action:

Re-generate the `ResultSet` instance, and then retry the operation.

KFAA71722-E

The `getCharacterStream` method cannot get the data. (column index = *aa....aa*, data type = *bb....bb*) (J)

The specified column data cannot be acquired with the `getCharacterStream` method of the `ResultSet` class. <SQLSTATE: R2461>

aa....aa:

Column number

bb....bb: Data type of column (SQL data type)

{ BOOLEAN | DATE | DECIMAL | DOUBLE PRECISION | INTEGER | ROW | SMALLINT | TIME | TIMESTAMP }

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class that corresponds to the data type of the column.

KFAA71727-E

The column index is invalid. (index = *aa....aa*) (J)

The column index specified with the `getXXX` method of the `ResultSet` class is invalid. <SQLSTATE: R2462>

aa....aa:

Specified column index value

S:

Terminates processing.

Action:

Revise the specified column index.

KFAA71730-E

The data format for java.sql.Date is invalid. (J)

Data cannot be acquired with the `getXXX` method of the `ResultSet` class used because the data acquired from the database does not match the date data format. <SQLSTATE: R2464>

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class for the data type to be acquired.

KFAA71731-E

The data format for java.sql.Time is invalid. (J)

Data cannot be acquired with the `getXXX` method of the `ResultSet` class used because the data acquired from the database does not match the time data format. <SQLSTATE: R2465>

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class for the data type to be acquired.

KFAA71732-E

The data format for java.sql.Timestamp is invalid. (J)

Data cannot be acquired with the `getXXX` method of the `ResultSet` class used because the data acquired from the database does not match the time stamp data format. <SQLSTATE: R2466>

S:

Terminates processing.

Action:

Specify the `getXXX` method of the `ResultSet` class for the data type to be acquired.

KFAA71733-E

Scrolling is not possible because the current result set type is TYPE_FORWARD_ONLY. (J)

Scrolling is not possible because the result set type of this ResultSet object is TYPE_FORWARD_ONLY.
<SQLSTATE: R2467>

S:

Terminates processing.

Action:

Use with a ResultSet whose result set type is compatible with scrolling.

KFAA71735-E

Zero is specified in an absolute method. (J)

Zero was specified with the absolute method. <SQLSTATE: R2468>

S:

Terminates processing.

Action:

Specify a value other than 0.

KFAA71736-E

The cursor is in an invalid position. (J)

The cursor is not on a valid row. <SQLSTATE: R2469>

S:

Terminates processing.

Action:

Change the cursor position to a valid row.

KFAA71737-E

The getObject method cannot be converted to the class "aa....aa". (column index = bb....bb, data type = cc....cc)
(J)

The data of the specified column cannot be converted to the class aa....aa of the Java data type specified in the getObject method of the ResultSet class. <SQLSTATE: R2475>

aa....aa:

Java data type class specified as the argument

bb....bb:

Column number

cc....cc:

Data type of the column (SQL data type)

{ BINARY | BOOLEAN | CHAR | DATE | DECIMAL | DOUBLE PRECISION | INTEGER | ROW | SMALLINT | TIME | TIMESTAMP | VARBINARY | VARCHAR }

S:

Terminates processing.

Action:

Specify a Java data type class that corresponds to the data type of the column.

KFAA71801-E

The argument is invalid. (number = *aa....aa*, value = *bb....bb*, method = *cc....cc*) (J)

An argument value is invalid. <SQLSTATE: R2470>

aa....aa:

Order number of argument

bb....bb:

Argument value

cc....cc:

Method name

S:

Terminates processing.

Action:

Carefully review the argument value.

KFAA71903-E

The login timeout value is invalid. (value = *aa....aa*) (J)

An invalid value is specified for an argument of the `setLoginTimeout` method. <SQLSTATE: R2471>

aa....aa:

Value specified for an argument of the `setLoginTimeout` method

S:

Terminates processing.

Action:

Correct the value specified for an argument of the `setLoginTimeout` method.

KFAA71908-E

The character set value is invalid. (J)

An invalid character string was specified in the argument of the `setEncodeLang` method. <SQLSTATE: R2472>

S:

Terminates processing.

Action:

Carefully review the value specified in the argument of the `setEncodeLang` method.

KFAA72000-E

A character encoding conversion error occurred. (data = *aa....aa*) (O)

A character encoding conversion error occurred. <SQLSTATE: 5C002>

aa....aa: Hexadecimal dump of the data before the character encoding conversion

If the dump contains data that cannot be displayed, an ellipsis (...) is displayed at the end.

S:

Terminates processing.

Action:

Data *aa....aa* contains data whose character encoding could not be converted. Correct the data, and then retry the operation.

KFAA72001-W

Characters that could not be converted during character encoding conversion were replaced with "#". (O)

Characters that could not be converted during character encoding conversion were replaced with hash marks (#).
<SQLSTATE: 01S51>

S:

Terminates processing.

Action:

Check the data that were replaced with hash marks (#).

KFAA72002-E

An error occurred in the client library, and the message could not be obtained. (information = *aa....aa*) (O)

An error occurred in the client library, and the message could not be obtained. <SQLSTATE: 5D001>

aa....aa: Error cause code

For details about error cause codes, see *List of error cause codes in Return values of the CLI functions* in the *HADB Application Development Guide*.

S:

Terminates processing.

Action:

Take the appropriate action by referencing the descriptions of the error cause code in *List of error cause codes in Return values of the CLI functions* in the *HADB Application Development Guide*.

KFAA72003-E

An error occurred in the ODBC driver. (SQLSTATE = *aa....aa*) (O)

An error occurred in the ODBC driver.

aa....aa:

Value of SQLSTATE

S:

Terminates processing.

Action:

Check the value of SQLSTATE that is displayed in this message, and then take the appropriate action. For details about SQLSTATE values, see [4.2 List of SQLSTATE values](#) and *ODBC Programmer's Reference* in *MSDN library*.

KFAA72004-E

A data conversion error occurred in the ODBC driver. (ColumnNumber = *aaaa*, SQLSTATE = *bb....bb*, SQL
Data Type = *cc....cc*, SQL_C_DataType = *dd....dd*, reason = *ee....ee*) (O)

An error occurred in data type conversion processing performed by the ODBC driver. <SQLSTATE: 07006, 22003,
22007, 22018, 5C002, 5C037, 5C038, HY001, HY003, HY004, HY009, HY013, HY090, HY104, HYC00>

aaaa:

Number of the column in which the error occurred

bb....bb:

Value of SQLSTATE

cc....cc:

ODBC SQL data type whose conversion failed

dd....dd:

C data type whose conversion failed

ee....ee:

Cause of the error

S:

Terminates processing.

Action:

Check the following and take corrective action, as necessary:

- SQLSTATE value displayed in place of *bb....bb*
- Data type conversion combination
- Cause of the error displayed in place of *ee....ee*

The following table lists the possible causes of the error that are displayed in place of *ee....ee* and the corrective action to take.

Item No.	Content displayed for ee....ee	Cause of the error and corrective action to take
1	conversions are not supported	The combination of data types that was specified cannot be converted. Change the combination of data types specified to a combination of data types that can be converted. For details about the combinations of data types that can be converted, see <i>Combinations of data types that can be retrieved (conversion from ODBC's SQL data types to C data types)</i> , under <i>Correspondence between ODBC's SQL data types and C data types</i> , in the <i>HADB Application Development Guide</i> .
2	value outside the scope of the conversion destination data type	The value is outside the range for the data type into which the value will be converted. Change the data type into which the value will be converted to something larger.
3	data type cannot be converted	The data format cannot be converted. Specify a different data type, or re-enter the data in the correct data format.
4	multiple reasons	<p>One of the following errors has occurred:</p> <ul style="list-style-type: none"> • The value is outside the range for the data type into which the value will be converted. • The data format cannot be converted. <p>Take the corrective action for item 2 or item 3, or check the value of SQLSTATE.</p>

KFAA72005-W

Data was truncated when a data type was converted in the ODBC driver. (ColumnNumber = *aaaa*, SQLSTATE = *bb....bb*, SQL DataType = *cc....cc*, SQL_C_DataType = *dd....dd*, reason = *ee....ee*) (O)

Data was truncated in data type conversion processing performed by the ODBC driver. <SQLSTATE: 01004, 01S07>

aaaa:

Number of the column where data was truncated

bb....bb:

Value of SQLSTATE

cc....cc:

ODBC SQL data type where data was truncated

dd....dd:

C data type where data was truncated

ee....ee:

Reason why data was truncated

S:

Terminates processing.

Action:

The following table lists the possible reasons for truncation that are displayed in place of *ee....ee* and the corrective action to take.

Item No.	Content displayed for <i>ee....ee</i>	Reason for the truncation and corrective action to take
1	The column for values other than character data was truncated	A character string was truncated because the conversion-target area was too small. Specify a sufficiently large conversion-target area, and then retry the operation.
2	The column for values other than data decimal numbers was truncated or fractions were omitted	Data not allowed by the fractional seconds specification or data following the decimal point, for example, was truncated because the conversion-target area was too small or because the setting status of the attribute value does not allow the data. <ul style="list-style-type: none"> • If floating-point type data was converted to integer values, for example, data following the decimal point was truncated. • For other conversions, specify a sufficiently large conversion-target area, and then retry the operation. If the data type of the value to be saved as the conversion-target data is SQL_C_NUMERIC, use SQLSetDescField to specify SQL_DESC_PRECISION and SQL_DESC_SCALE, set a sufficient number of places following the decimal point, and then retry the operation by using SQLBindCol and SQLFetch. Scale values that indicate the number of places following the decimal point cannot be changed by using SQLGetData.
3	multiple reasons	Warning for other reason. Check the value of SQLSTATE.

KFAA72006-E

A data conversion error occurred in the ODBC driver. (ParameterNumber = *aaaa*, SQLSTATE = *bb....bb*, SQL_C_DataType = *cc....cc*, SQL DataType = *dd....dd*, reason = *ee....ee*) (O)

An error occurred in data type conversion processing performed by the ODBC driver. <SQLSTATE: 07006, 22001, 22003, 22007, 22008, 22018, 5C002, 5C036, HY001, HY003, HY004, HY009, HY013, HY090, HY104, HYC00>

aaaa:

Sequence number of the dynamic parameter in which the error occurred

bb....bb:

Value of SQLSTATE

cc....cc:

C data type whose conversion failed

dd....dd:

ODBC SQL data type whose conversion failed

ee....ee:

Cause of the error

S:

Terminates processing.

Action:

Check the following and take corrective action, as necessary:

- SQLSTATE value displayed for *bb....bb*
- Data type conversion combination
- Cause of the error displayed for *ee....ee*

The following table lists the possible causes of the error that are displayed in place of *ee....ee* and the corrective action to take.

Item No.	Content displayed for ee....ee	Cause of the error and corrective action to take
1	conversions are not supported	The combination of data types that was specified cannot be converted. Change the combination of data types specified to a combination of data types that can be converted. For details about the combinations of data types that can be converted, see <i>Combinations of data types that can be compared and stored or assigned (conversion from C data types to ODBC's SQL data types)</i> , under <i>Correspondence between ODBC's SQL data types and C data types</i> , in the <i>HADB Application Development Guide</i> .
2	value outside the scope of the conversion destination data type	The input value is outside the range for the data type into which the value will be converted. Change the input value to something in the range for the data type into which the value will be converted.
3	insufficient memory	Memory is insufficient. Retry the operation after shutting down another application.
4	data type cannot be converted	The data format cannot be converted. Specify a different data type, or re-enter the data in the correct data format.
5	multiple reasons	<p>One of the following errors has occurred:</p> <ul style="list-style-type: none"> • The input value is outside the range for the data type into which the value will be converted. • The data format cannot be converted. <p>Take the corrective action for item 2 or item 4, or check the value of SQLSTATE.</p>
6	data for the parameter was not bound	The data for a dynamic parameter was not bound. Either bind the input parameter area for the dynamic parameter with <code>SQLBindParameter</code> , or specify it with <code>SQLPutData</code> .
7	String data, right-truncated	The character string or binary data was truncated on its right end. Change the input value to be in the range for the data it will be converted into.

KFAA72007-E

The length of an SQL statement exceeds 16,000,000 characters. (O)

The length of an SQL statement exceeded 16,000,000 characters. <SQLSTATE: 5C051>

S:

Ignores this SQL statement.

Action:

Correct the SQL statement length.

KFAA72008-W

A warning occurred in the ODBC driver. (SQLSTATE = *aa....aa*) (O)

A warning occurred in the ODBC driver.

aa....aa:

Value of SQLSTATE

S:

Terminates processing.

Action:

Check the SQLSTATE value displayed in place of *aa....aa*.

This message indicates that a warning level event occurred. There is no SQLSTATE in the message itself.

KFAA72009-E

The versions of the ODBC driver and the HADB client are different. (ODBC driver version = *aa....aa*, HADB client version = *bb....bb*) (O)

The versions of the ODBC driver and the HADB client are different. <SQLSTATE: 5C052>

aa....aa:

Version of the ODBC driver

This is output in the format *vv-rr*.

vv: Version number

rr: Revision number

bb....bb:

Version of the HADB client

This is displayed in the format *vv-rr*.

vv: Version number

rr: Revision number

If the version of the HADB client is 03-05 or earlier, 03-05 or earlier is displayed.

S:

Terminates processing.

Action:

Match the versions of the ODBC driver and the HADB client, and then retry the operation.

KFAA72099-E

An internal conflict was detected in the ODBC driver. (file = *aa....aa*, location = *bb....bb*) (O)

An internal conflict occurred in the ODBC driver. <SQLSTATE: 5C035>

aa....aa:

Name of the source file in which the error was detected

bb....bb:

Location of the error

S:

Terminates processing.

Action:

When this message is output, re-execute the application program. If the same event recurs, make a backup of the client message log file, and then contact the customer support center.

2.6 Messages from KFAA80000 to KFAA89999

KFAA80000-I

Processing to initialize the HADB system will now start. (L+M)

Processing to start the HADB server is starting.

S:

Continues processing.

KFAA80001-I

Processing to initialize the HADB system has finished. (return code = *aa....aa*) (L+M)

HADB server start processing has terminated.

aa....aa: Return code

- 0: Normal termination
- 4: Termination with warning
- 8: An error occurred

S: If the return code is 0, processing continues.

If the return code is 4, a warning is issued but processing continues.

If the return code is 8, processing terminates.

Action:

- If the return code is 4, a warning has been issued. Access the message log file to check the warning message.
- If the return code is 8, eliminate the cause of the error based on the message that was output immediately prior to this message.

Then, re-execute the `adbstart` command.

KFAA80002-I

The HADB system started. (L+M)

The HADB server has started.

S:

Terminates processing.

KFAA80003-I

Analysis of the server definitions will now start. (L+M)

Analysis of the server definitions is starting.

S:

Continues processing.

KFAA80004-I

Analysis of the server definitions has finished. (return code = *aa....aa*) (L+M)

Analysis of the server definitions has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: An error occurred

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80005-I

Processing to initialize the common memory of the HADB system will now start. (L+M)

Initialization of the process common memory is starting.

S:

Continues processing.

KFAA80006-I

Processing to initialize the common memory of the HADB system has finished. (return code = *aa....aa*) (L+M)

Initialization of the process common memory has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80007-I

Processing to initialize the HADB system manager will now start. (L+M)

Processing to start the system manager is starting.

S:

Continues processing.

KFAA80008-I

Processing to initialize the HADB system manager has finished. (return code = *aa....aa*) (L+M)

Processing to start the system manager has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80009-I

Processing to initialize real threads will now start. (L+M)

Processing to start a real thread is starting.

S:

Continues processing.

KFAA80010-I

Processing to initialize real threads has finished. (return code = *aa....aa*) (L+M)

Processing to start a real thread has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80011-I

Phase 1 of the processing to initialize the database manager will now start. (L+M)

Phase 1 of the database manager start processing is starting.

S:

Continues processing.

KFAA80012-I

Phase 1 of the processing to initialize the database manager has finished. (return code = *aa....aa*) (L+M)

Phase 1 of the database manager start processing has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80013-I

Phase 1 of the processing to initialize the dictionary manager will now start. (L+M)

Phase 1 of the processing to start the dictionary manager will now start.

S:

Continues processing.

KFAA80014-I

Phase 1 of the processing to initialize the dictionary manager has finished. (return code = *aa....aa*) (L+M)

Phase 1 of the processing to start the dictionary manager has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80015-I

Processing to initialize the SQL analyzer will now start. (L+M)

Processing to start the SQL analyzer is starting.

S:

Continues processing.

KFAA80016-I

Processing to initialize the SQL analyzer has finished. (return code = *aa....aa*) (L+M)

Processing to start the SQL analyzer has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80017-I

Phase 1 of the processing to initialize the communication manager will now start. (L+M)

Phase 1 of the communication manager start processing is starting.

S:

Continues processing.

KFAA80018-I

Phase 1 of the processing to initialize the communication manager has finished. (return code = *aa....aa*) (L+M)

Phase 1 of the communication manager start processing has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80019-I

The server directory specified for the environment variable ADBDIR is "*aa....aa*". (L+M)

The server directory specified in environment variable ADBDIR is *aa....aa*.

aa....aa:

The path name of the server directory specified in environment variable ADBDIR

S:

Continues processing.

KFAA80020-I

The HADB system version is "aa....aa(bb....bb)". (L+M)

The HADB server version is *aa....aa(bb....bb)*.

aa....aa:

HADB server version

This is output in the format *vv-rr-zz*, where *zz* might not be output.

vv: Version number

rr: Revision number

zz: Code

bb....bb:

Additional version information for the HADB server

S:

Continues processing.

KFAA80021-I

The character encoding specified for the environment variable ADBLANG is "aa....aa". (L+M)

The character encoding specified for the environment variable ADBLANG is *aa....aa*.

aa....aa:

The character encoding specified for the environment variable ADBLANG

S:

Continues processing.

KFAA80023-I

The DB directory is "aa....aa". (L+M)

The DB directory specified in the server definition's `adb_db_path` operand is *aa....aa*.

aa....aa:

The path name of the DB directory

S:

Continues processing.

KFAA80024-I

The HADB start mode is "aa....aa". (L+M)

The HADB server's startup mode is *aa....aa*.

aa....aa: Startup mode

- NORMAL: Normal start
- RECOVER: Restart
- VUP RECOVER: Restart after upgrade error

S:

Continues processing.

KFAA80026-I

Processing to terminate the HADB system will now start. (L+M)

Processing to terminate the HADB server is starting.

S:

Continues processing.

KFAA80027-I

Processing to terminate the HADB system has finished. (return code = *aa....aa*) (L+M)

HADB server termination processing has terminated.

aa....aa: Return code

- 0: Normal termination
- 4: Termination with warning

S:

Terminates termination processing.

Action:

If the return code is 4, a warning or error has been issued. Access the message log file to check the warning or error message. If an error message was output, eliminate the cause of the error.

KFAA80028-I

Phase 1 of the processing to terminate the communication manager will now start. (L+M)

Phase 1 of the communication manager termination processing is starting.

S:

Continues processing.

KFAA80029-I

Phase 1 of the processing to terminate the communication manager has finished. (return code = *aa....aa*) (L+M)

Phase 1 of the communication manager termination processing has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80030-I

Processing to terminate the SQL analyzer will now start. (L+M)

Processing to terminate the SQL analyzer is starting.

S:

Continues processing.

KFAA80031-I

Processing to terminate the SQL analyzer has finished. (return code = *aa....aa*) (L+M)

Processing to terminate the SQL analyzer has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80032-I

Processing to terminate the dictionary manager will now start. (L+M)

Processing to terminate the dictionary manager is starting.

S:

Continues processing.

KFAA80033-I

Processing to terminate the dictionary manager has finished. (return code = *aa....aa*) (L+M)

Processing to terminate the dictionary manager has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80034-I

Processing to terminate the database manager will now start. (L+M)

Processing to terminate the database manager is starting.

S:

Continues processing.

KFAA80035-I

Processing to terminate the database manager has finished. (return code = *aa....aa*) (L+M)

Processing to terminate the database manager has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80036-I

Processing to terminate real threads will now start. (L+M)

Processing to terminate a real thread is starting.

S:

Continues processing.

KFAA80037-I

Processing to terminate real threads has finished. (return code = *aa....aa*) (L+M)

Processing to terminate a real thread has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80038-I

Processing to terminate the HADB system manager will now start. (L+M)

Processing to terminate the system manager is starting.

S:

Continues processing.

KFAA80039-I

Processing to terminate the HADB system manager has finished. (return code = *aa....aa*) (L+M)

Processing to terminate the system manager has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80040-I

Processing to terminate the common memory of the HADB system will now start. (L+M)

Processing to release process common memory is starting.

S:

Continues processing.

KFAA80041-I

Processing to terminate the common memory of the HADB system has finished. (return code = *aa....aa*) (L+M)

Processing to release process common memory has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80042-I

Phase 2 of the processing to initialize the database manager will now start. (L+M)

Phase 2 of the processing to start the database manager will now start.

S:

Continues processing.

KFAA80043-I

Phase 2 of the processing to initialize the database manager has finished. (return code = *aa....aa*) (L+M)

Phase 2 of the processing to start the database manager has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80044-I

Processing to initialize the HADB controller will now start. (L+M)

Processing to start the HADB controller will now start.

S:

Continues processing.

KFAA80045-I

Processing to initialize the HADB controller has finished. (return code = *aa....aa*) (L+M)

Processing to start the HADB controller has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80046-I

Phase 2 of the processing to initialize the communication manager will now start. (L+M)

Phase 2 of the processing to start the communication manager will now start.

S:

Resumes processing.

KFAA80047-I

Phase 2 of the processing to initialize the communication manager has finished. (return code = *aa....aa*) (L+M)

Phase 2 of the processing to start the communication manager has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code was 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80048-I

Phase 2 of the processing to terminate the communication manager will now start. (L+M)

Phase 2 of the processing to terminate the communication manager will start.

S:

Resumes processing.

KFAA80049-I

Phase 2 of the processing to terminate the communication manager has finished. (return code = *aa....aa*) (L+M)

Phase 2 of the processing to terminate the communication manager finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code was 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80050-I

Processing to initialize the statistics manager will now start. (L+M)

The statistics manager startup processing is beginning.

S:

Continues processing.

KFAA80051-I

Processing to initialize the statistics manager has finished. (return code = *aa....aa*) (L+M)

The statistics manager startup processing has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code was 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80052-I

Processing to terminate the statistics manager will now start. (L+M)

The statistics manager termination processing is beginning.

S:

Continues processing.

KFAA80053-I

Processing to terminate the statistics manager has finished. (return code = *aa....aa*) (L+M)

The statistics manager termination processing has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code was 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80054-I

Processing to initialize the database modification manager will now start. (L+M)

The database modification manager start processing is starting.

S:

Continues processing.

KFAA80055-I

Processing to initialize the database modification manager has finished. (return code = *aa....aa*) (L+M)

The database modification manager start processing has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Abnormal termination

S: If the return code was 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80056-I

Processing to terminate the database modification manager will now start. (L+M)

The database modification manager termination processing is starting.

S:

Continues processing.

KFAA80057-I

Processing to terminate the database modification manager has finished. (return code = *aa....aa*) (L+M)

The database modification manager termination processing has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Abnormal termination

S: If the return code was 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80058-I

Phase 3 of the processing to initialize the database manager will now start. (L+M)

Phase 3 of the database manager start processing is starting.

S:

Continues processing.

KFAA80059-I

Phase 3 of the processing to initialize the database manager has finished. (return code = *aa....aa*) (L+M)

Phase 3 of the database manager start processing has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Abnormal termination

S: If the return code was 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80060-I

Phase 1 of the processing to upgrade the database will now start. (L+M)

Phase 1 of the database upgrade processing is starting.

S:

Continues processing.

KFAA80061-I

Phase 1 of the processing to upgrade the database has finished. (return code = *aa....aa*) (L+M)

Phase 1 of the database upgrade processing has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Abnormal termination

S: If the return code was 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80062-I

Phase 2 of the processing to upgrade the database will now start. (L+M)

Phase 2 of the database upgrade processing is starting.

S:

Continues processing.

KFAA80063-I

Phase 2 of the processing to upgrade the database has finished. (return code = *aa....aa*) (L+M)

Phase 2 of the database upgrade processing has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Abnormal termination

S: If the return code was 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80064-I

Phase 3 of the processing to upgrade the database will now start. (L+M)

Phase 3 of the database upgrade processing is starting.

S:

Continues processing.

KFAA80065-I

Phase 3 of the processing to upgrade the database has finished. (return code = *aa....aa*) (L+M)

Phase 3 of the database upgrade processing has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Abnormal termination

S: If the return code was 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80066-I

Processing of the system view table definition will now start. (L+M)

The system viewed table definition processing is starting.

S:

Continues processing.

KFAA80067-I

Processing of the system view table definition has finished. (return code = *aa....aa*) (L+M)

The system viewed table definition processing has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Abnormal termination

S: If the return code was 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80068-I

The HADB server operation mode changed from "*aa....aa*" to "*bb....bb*". (L+M)

The HADB server operation mode was changed from *aa....aa* to *bb....bb*.

aa....aa: HADB server operation mode before change

- NORMAL: Normal mode
- QUIESCENCE: Quiescence mode
- OFFLINE: Offline mode
- MAINTENANCE: Maintenance mode

bb....bb: HADB server operation mode after change

- NORMAL: Normal mode
- QUIESCENCE: Quiescence mode
- OFFLINE: Offline mode
- MAINTENANCE: Maintenance mode

S:

Continues processing.

KFAA80069-I

The HADB server operation mode is "aa....aa". (L+M)

The HADB server operation mode is *aa....aa*.

aa....aa: HADB server operation mode

- NORMAL: Normal mode
- QUIESCENCE: Quiescence mode
- OFFLINE: Offline mode
- MAINTENANCE: Maintenance mode

S:

Continues processing.

KFAA80070-I

Processing to initialize the command manager will now start. (L+M)

Processing to start the command manager is starting.

S:

Continues processing.

KFAA80071-I

Processing to initialize the command manager has finished. (return code = *aa....aa*) (L+M)

Processing to start the command manager has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Abnormal termination

S: If the return code was 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80072-I

The HADB server node type is "aa....aa". (L+M)

The HADB server node type is *aa....aa*.

aa....aa: Node type

- MASTER: Master node
- SLAVE: Slave node

S:

Continues processing.

KFAA80073-I

The HADB server node type was changed to "*aa....aa*". (L+M)

The HADB server node type changed to *aa....aa*.

aa....aa: Node type

- MASTER: Master node
- SLAVE: Slave node

S:

Continues processing.

KFAA80074-I

Processing to initialize the database initializer manager will now start. (L+M)

Processing to start the database initialization manager is starting.

S:

Continues processing.

KFAA80075-I

Processing to initialize the database initializer manager has finished. (return code = *aa....aa*) (L+M)

Processing to start the database initialization manager has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, continues processing.

If the return code is not 0, terminates processing.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80076-I

The HADB server is waiting to connect to another node. (host name = *aa....aa*, IP address = *bb....bb*) (L+M)

The HADB server is waiting to connect to another node.

aa....aa:

Host name of the node that is waiting to connect to another node (communication between servers)

bb....bb:

IP address of the node that is waiting to connect to another node (communication between servers)

S:

Continues processing.

Action:

Start the HADB server on the other node.

KFAA80077-I

A connection with another node was established. (node number = *aa....aa*, host name = *bb....bb*, IP address = *cc....cc*) (L+M)

A connection was established to another node in a multi-node configuration.

aa....aa:

Node number of the node that established connection

bb....bb:

Host name of the node that established connection (communication between servers)

cc....cc:

IP address of the node that established connection (communication between servers)

S:

Continues processing.

KFAA80078-I

The startup of HA Monitor on the server was confirmed. (alias = "aa....aa") (L+M)

The startup of HA Monitor was confirmed for server ID *aa....aa*.

aa....aa:

Server ID of the HA Monitor

S:

Continues processing.

KFAA80079-I

Processing to terminate the HADB controller will now start. (L+M)

Processing to terminate the HADB controller will now start.

S:

Continues processing.

KFAA80080-I

Processing to terminate the HADB controller has finished. (return code = *aa....aa*) (L+M)

Processing to terminate the HADB controller has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80081-I

Processing to recover the database in the switchover of the master node will now start. (L+M)

Processing to restore the database due to master node switchover has started.

S:

Continues processing.

KFAA80082-I

Processing to recover the database in the switchover of the master node has finished. (return code = *aa....aa*) (L+M)

Processing to restore the database due to master node switchover has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message.

KFAA80084-I

Analysis of the client-managing definitions will now start. (L+M)

Analysis of the client-managing definitions has started.

S:

Continues processing.

KFAA80085-I

Analysis of the client-managing definitions has finished. (return code = *aa....aa*) (L+M)

Analysis of the client-managing definitions has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80086-I

Phase 2 of the processing to initialize the dictionary manager will now start. (L+M)

Phase 2 of the processing to start the dictionary manager will now start.

S:

Continues processing.

KFAA80087-I

Phase 2 of the processing to initialize the dictionary manager has finished. (return code = *aa....aa*) (L+M)

Phase 2 of the processing to start the dictionary manager has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Error

S:

If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80088-I

Phase 4 of the processing to upgrade the database will now start. (L+M)

Phase 4 of the database upgrade processing will now start.

S:

Continues processing.

KFAA80089-I

Phase 4 of the processing to upgrade the database has finished. (return code = *aa....aa*) (L+M)

Phase 4 of the database upgrade processing has terminated.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Abnormal termination

S:

If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80090-I

Processing to initialize the audit trail manager will now start. (L+M)

Processing to start the audit trail manager will now start.

S:

Continues processing.

KFAA80091-I

Processing to initialize the audit trail manager has finished. (return code = *aa....aa*) (L+M)

Processing to start the audit trail manager has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80092-I

Processing to terminate the audit trail manager will now start. (L+M)

Processing to terminate the audit trail manager will now start.

S:

Continues processing.

KFAA80093-I

Processing to terminate the audit trail manager has finished. (return code = *aa....aa*) (L+M)

Processing to terminate the audit trail manager has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80094-I

Processing to initialize the updated-row columnizing facility will now start. (L+M)

Processing to start the updated-row columnizing facility will now start.

S:

Continues processing.

KFAA80095-I

Processing to initialize the updated-row columnizing facility has finished. (return code = *aa....aa*) (L+M)

Processing to start the updated-row columnizing facility has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstart` command.

KFAA80096-I

Processing to terminate the updated-row columnizing facility will now start. (L+M)

Processing to terminate the updated-row columnizing facility will now start.

S:

Continues processing.

KFAA80097-I

Processing to terminate the updated-row columnizing facility has finished. (return code = *aa....aa*) (L+M)

Processing to terminate the updated-row columnizing facility has finished.

aa....aa: Return code

- 0: Normal termination
- Other than 0: Cause of the error

S: If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbstop` command.

KFAA80201-I

aa....aa processing started. (S+L+M)

Processing *aa....aa* has started.

aa....aa: Processing that was performed

- **Export:** Data export processing
- **Modify-buffer:** Buffer modification processing
- **Modify-synonym-dictionary:** Synonym dictionary registration or update processing
- **Delete-synonym-dictionary:** Synonym dictionary deletion processing
- **Synchronize-synonym-dictionary:** Synchronization processing of synonym dictionary files
- **Output-synonym-dictionary:** Output processing of a list of synonyms registered in the synonym dictionary
- **Clean-synonym-dictionary:** Deletion processing of unnecessary files under the storage directory for synonym dictionary files

S:

Continues processing.

KFAA80202-I

aa....aa processing started. The table is "bb....bb"."cc....cc". (S+L+M)

aa....aa has started.

aa....aa: Executed processing

- Import: Data import processing
- Index-rebuild: Index rebuild processing
- Merge-chunk: Merge chunk processing
- Change-chunk-comment: Set, change, or delete chunk comments processing
- Change-chunk-status: Change chunk status processing
- Archive-chunk: Chunk archive processing
- Unarchive-chunk: Chunk unarchive processing
- Reorganize-systemdata: System table reorganization processing

bb....bb:

Schema name

cc....cc:

Table identifier

S:

Continues processing.

KFAA80203-I

aa....aa rows loaded. (chunk id = *bb....bb*) (M+S)

aa....aa rows have been loaded.

aa....aa:

The number of rows loaded

bb....bb: Chunk ID of the chunk released from the archived state

Before the chunk is released from the archived state, the (chunk id = *bb....bb*) part is output.

S:

Continues processing.

KFAA80204-I

aa....aa processing ended. (return code = *bb*) (S+L+M)

Processing of *aa....aa* has terminated.

aa....aa: Executed processing

- Cost-information-collection: Cost information collection processing
- DB-status-analysis: DB status analysis processing
- Export: Data export processing
- Import: Data import processing
- Index-rebuild: Index rebuild processing
- Merge-chunk: Merge chunk processing
- Change-chunk-comment: Set, change, or delete chunk comments processing
- Change-chunk-status: Change chunk status processing
- Modify-buffer: Buffer modification processing
- Archive-chunk: Chunk archive processing
- Unarchive-chunk: Chunk unarchive processing
- Reorganize-systemdata: System table reorganization processing
- Modify-synonym-dictionary: Synonym dictionary registration or update processing
- Delete-synonym-dictionary: Synonym dictionary deletion processing
- Synchronize-synonym-dictionary: Synchronization processing of synonym dictionary files
- Output-synonym-dictionary: Output processing of a list of synonyms registered in the synonym dictionary
- Clean-synonym-dictionary: Deletion processing of unnecessary files under the storage directory for synonym dictionary files

bb: Return code

- 0: Processing terminated normally.
- 4: Processing terminated normally, but a warning message was output.
- 8: The specified command was invalid or an error occurred during command execution.
- 12: The specified command was invalid or an error occurred during command execution. For system table reorganization processing, the data before reorganization remains in the system-table DB area.
- 20: Part of command processing was skipped.

S:

Terminates processing.

Action:

If the return code is not 0, take the action described below.

If the specified command was invalid and return code 8 was output, check the command specification format, and then re-execute the command.

- If the return code is 4

Processing <i>aa....aa</i>	Corrective action to take
Cost-information-collection	<p>Check the displayed warning message or the warning message output to the message log file, and then take corrective action for that warning message.</p> <p>If the KFAA50291-W message was output, the cost information collection processing might have been skipped for some tables because the tables were in non-updatable status or their</p>

Processing aa....aa	Corrective action to take
	<p>indexes were in unfinished status. If this is the case, release the tables from non-updatable status or the indexes from unfinished status, and then collect the cost information.</p> <p>For details about how to release tables from non-updatable status, see <i>Steps to take when a base table becomes non-updatable</i> in the <i>HADB Setup and Operation Guide</i>.</p> <p>For details about how to release the B-tree index from unfinished status, see <i>Steps to take when unfinished status is applied to a B-tree index</i> in the <i>HADB Setup and Operation Guide</i>.</p> <p>For details about how to release the text index from unfinished status, see <i>Steps to take when unfinished status is applied to a text index</i> in the <i>HADB Setup and Operation Guide</i>.</p> <p>For details about how to release the range index from unfinished status, see <i>Steps to take when unfinished status is applied to a range index</i> in the <i>HADB Setup and Operation Guide</i>.</p>
DB-status-analysis	Check the displayed warning message or the warning message output to the message log file, and then take corrective action for that warning message.
Export	
Import	<p>Check the displayed warning message or the warning message output to the message log file, and then take corrective action for that warning message.</p> <p>If either of the messages listed below was output, a problem has occurred, including constraint violation and unimported data.</p> <ul style="list-style-type: none"> • If the KFAA61205-W message was output If this message (a warning message indicating that a duplicate key value was detected) was output, the uniqueness constraint of the table and B-tree index has been violated. Therefore, find the duplicated key values and delete the affected rows. For details about the corrective action to take, see <i>Steps to take when the uniqueness constraint is violated (when the KFAA61205-W message is output)</i> in the <i>HADB Setup and Operation Guide</i>. • If a message indicating that a logical error was detected in the data was output For details about the logical error in the data, check the message that was output. Note that if 1 is specified in the <code>adb_import_errmsg_lv</code> import option, a message that provides the details of logical error in the data is not output. For normal data, the data import processing has been completed. For details about the corrective action to take if there is a logical error in the data, see <i>How to handle logical errors in input data</i> in the manual <i>HADB Command Reference</i>.
Index-rebuild	<p>Check the displayed warning message or the warning message output to the message log file, and then take corrective action for that warning message.</p> <p>If the KFAA61205-W message (a warning message indicating that a duplicate key value was detected) was output, the uniqueness constraint of the table and B-tree index has been violated. Therefore, find the duplicated key values and delete the affected rows. For details about the corrective action to take, see <i>Steps to take when the uniqueness constraint is violated (when the KFAA61205-W message is output)</i> in the <i>HADB Setup and Operation Guide</i>.</p>
Merge-chunk	
Change-chunk-comment	
Change-chunk-status	
Modify-buffer	
Archive-chunk	
Unarchive-chunk	
Reorganize-systemdata	
Modify-synonym-dictionary	
Delete-synonym-dictionary	
Synchronize-synonym-dictionary	Check the displayed warning message or the warning message output to the message log file, and then take corrective action for that warning message.

Processing aa....aa	Corrective action to take
	Also see <i>Return codes in abdsyndict (Manage Synonym Dictionary)</i> in the manual <i>HADB Command Reference</i> .
Output-synonym-dictionary	Check the displayed warning message or the warning message output to the message log file, and then take corrective action for that warning message.
Clean-synonym-dictionary	

- If the return code is 8

Processing aa....aa	Corrective action to take
Cost-information-collection	For details about the cause of the error and the corrective action to take, check the error message that was displayed or the error message that was output to the message log file.
DB-status-analysis	
Export	
Import	For details about the cause of the error and the corrective action to take, check the error message that was displayed or the error message that was output to the message log file. For details about the actions to take when the <code>adbimport</code> command terminates abnormally, see <i>Handling abnormal termination of the adbimport command</i> in the manual <i>HADB Command Reference</i> .
Index-rebuild	For details about the cause of the error and the corrective action to take, check the error message that was displayed or the error message that was output to the message log file. For details about the actions to take when the <code>adbidxrebuild</code> command terminates abnormally, see <i>Handling abnormal termination of the adbidxrebuild command</i> in the manual <i>HADB Command Reference</i> .
Merge-chunk	For details about the cause of the error and the corrective action to take, check the error message that was displayed or the error message that was output to the message log file. For details about the actions to take when the <code>adbmergechunk</code> command terminates abnormally, see <i>Handling abnormal termination of the adbmergechunk command</i> in the manual <i>HADB Command Reference</i> .
Change-chunk-comment	For details about the cause of the error and the corrective action to take, check the error message that was displayed or the error message that was output to the message log file.
Change-chunk-status	
Modify-buffer	
Archive-chunk	
Unarchive-chunk	For details about the cause of the error and the corrective action to take, check the error message that was displayed or the error message that was output to the message log file. For details about the action to take when the <code>adbunarchivechunk</code> command terminates abnormally, see <i>Handling abnormal termination of the adbunarchivechunk command</i> in the manual <i>HADB Command Reference</i> .
Reorganize-systemdata	For details about the cause of the error, check the error message that was displayed or the error message that was output to the message log file. At this time, the target table is in the status before the <code>adbreorgsystemdata</code> command is executed. Eliminate the cause of abnormal termination, and then re-execute the <code>adbreorgsystemdata</code> command.
Modify-synonym-dictionary	For details about the cause of the error and the corrective action to take, check the error message that was displayed or the error message that was output to the message log file.
Delete-synonym-dictionary	

Processing aa....aa	Corrective action to take
Synchronize-synonym-dictionary	
Output-synonym-dictionary	
Clean-synonym-dictionary	

- If the return code is 12

Processing aa....aa	Corrective action to take
Reorganize-systemdata	<p>For details about the cause of the error, check the error message that was displayed or the error message that was output to the message log file.</p> <p>At this time, the target table contains the data before reorganization and the data after reorganization. Eliminate the cause of abnormal termination, and then re-execute the <code>adbreorgsystemdata</code> command.</p>

- If the return code is 20

Processing aa....aa	Corrective action to take
Merge-chunk	<p>The processing terminated normally, but the merge-source chunk could not be deleted. Therefore, the merge-source chunk is in the <i>deletion-pending status</i>. Execute the PURGE CHUNK statement to delete all deletion-pending chunks. Check the deletion-pending chunks based on the displayed message or the KFAA96785-E message.</p>

KFAA80205-I

Row number aa....aa is being processed. (chunk id = bb....bb) (M+S)

Row number aa....aa is being processed.

aa....aa:

Row count

bb....bb: Chunk ID being processed

The (chunk id = bb....bb) part is output in the following cases:

- Index rebuild is performed for a multi-chunk table.
- A chunk is placed in the archived state.
- A chunk is released from the archived state.

S:

Continues processing.

KFAA80206-I

The index information file was assigned. (index = "aa....aa"."bb....bb", DB area = "cc....cc", file = dd....dd) (chunk id = ee...ee) (M+S)

The index information of index *aa....aa.bb....bb* stored in DB area *cc....cc* has been assigned to *dd....dd*.

aa....aa:

Schema name

bb....bb:

Index identifier

cc....cc:

DB area name

dd....dd:

File name where index information was output

ee....ee: Chunk ID being processed

The (chunk id = *ee....ee*) part is output in the following cases:

- Index rebuild is performed for a multi-chunk table.
- A chunk is released from the archived state.

S:

Continues processing.

KFAA80207-I

Processing to generate the index started. (index = "aa....aa"."bb....bb", DB area = "cc....cc") (chunk id = *dd....dd*) (M+S)

Processing to generate index *aa....aa.bb....bb* has started.

aa....aa:

Schema name

bb....bb:

Index identifier

cc....cc:

DB area name

dd....dd: Chunk ID being processed

The (chunk id = *dd....dd*) part is output in the following cases:

- Index rebuild is performed for a multi-chunk table.
- A chunk is released from the archived state.

S:

Continues processing.

KFAA80208-I

Processing to generate the index ended. (index = "aa....aa"."bb....bb", DB area = "cc....cc", return code = *dd*) (chunk id = *ee....ee*) (M+S)

Processing to generate index *aa....aa.bb....bb* has terminated.

aa....aa:

Schema name

bb....bb:

Index identifier

cc....cc:

DB area name

dd: Return code

- 0: Normal termination
- 12: Abnormal termination

ee....ee: Chunk ID being processed

The (chunk id = *ee....ee*) part is output in the following cases:

- Index rebuild is performed for a multi-chunk table.
- A chunk is released from the archived state.

S:

Continues processing.

Action:

In the case of an abnormal termination, eliminate the cause of the error based on the message that was output immediately prior to this message.

Restore the database, and then retry the operation.

KFAA80209-I

aa....aa processing started. (S+L+M)

Processing *aa....aa* has started.

aa....aa: Processing that is being performed:

- Cost-information-collection: Cost information collection processing

S:

Continues processing.

KFAA80210-I

Row *aaaa* for table "bb....bb"."cc....cc" stored in DB area "dd....dd" was deleted. (M+S)

The row data of table *bb....bb.cc....cc* stored in DB area *dd....dd* has been deleted.

aaaa:

Deleted data

bb....bb:

Schema name

cc....cc:

Table identifier

dd....dd:

DB area name

S:

Continues processing.

KFAA80211-I

Processing for the chunk will start. (chunk id = *aa....aa*) (*bb....bb/cc....cc*) (M+S)

Processing for the chunk with chunk ID *aa....aa* has started.

aa....aa:

Chunk ID being processed

bb....bb:

Sequential number of the processed chunk

- For the `adbidxrebuild`, `adbarchivechunk`, or `adbunarchivechunk` command

The sequential number indicates the order in which the chunk was processed in the above command.

However, sequential numbers might not start with 1 in the following cases:

- If the re-execute facility of the `adbidxrebuild` command is used, processing is resumed from the chunk where it was suspended. Therefore, the displayed sequential number starts with the one when the processing was suspended.

- If the `adbidxrebuild` command is executed with the `--create-temp-file` option specified after the `adbimport` command was suspended, the displayed number is the same as the value displayed for *cc....cc* (number of chunks to be processed).

- For the `adbmergechunk` command

1 is displayed.

cc....cc:

Number of chunks to be processed

- For the `adbidxrebuild` command

The total number of chunks in the base table before execution of the above command is displayed.

However, this does not apply to the `adbidxrebuild` command that is executed with the `--create-temp-file` option specified after the `adbimport` command with background import applied (-b option specified) was suspended. In this case, the total number of chunks (before execution of the `adbidxrebuild` command) plus 1 is displayed.

- For the `adbarchivechunk` or `adbunarchivechunk` command

The number of chunks (specified by the -c or -r option) to be archived or to be released from the archived state is displayed.

- For the `adbmergechunk` command

1 is displayed.

S:

Continues processing.

KFAA80212-I

Processing for the chunk finished. (chunk id = *aa....aa*) (*bb....bb*/*cc....cc*) (M+S)

Processing for the chunk with chunk ID *aa....aa* has finished.

aa....aa:

Chunk ID being processed

bb....bb:

Sequential number of the processed chunk

- For the `adbidxrebuild`, `adbarchivechunk`, or `adbunarchivechunk` command

The sequential number indicates the order in which the chunk was processed in the above command.

However, sequential numbers might not start with 1 in the following cases:

- If the re-execute facility of the `adbidxrebuild` command is used, processing is resumed from the chunk where it was suspended. Therefore, the displayed sequential number starts with the one when the processing was suspended.
- If the `adbidxrebuild` command is executed with the `--create-temp-file` option specified after the `adbimport` command was suspended, the displayed number is the same as the value displayed for *cc....cc* (number of chunks to be processed).

- `adbmergechunk` command

1 is displayed.

cc....cc:

Number of chunks to be processed

- For the `adbidxrebuild` command

The total number of chunks in the base table before execution of the above command is displayed.

However, this does not apply to the `adbidxrebuild` command that is executed with the `--create-temp-file` option specified after the `adbimport` command with background import applied (-b option specified) was suspended. In this case, the total number of chunks (before execution of the `adbidxrebuild` command) plus 1 is displayed.

- For the `adbarchivechunk` or `adbunarchivechunk` command

The number of chunks (specified by the -c or -r option) to be archived or to be released from the archived state is displayed.

- For the `adbmergechunk` command

1 is displayed.

S:

Continues processing.

KFAA80213-I

The adbimport command recognized the input data file as a compressed file. (compression format = *aa....aa*, file = *bb....bb*) (M)

The adbimport command recognized the input data file as a compressed file. The file compression format is *aa....aa*.

aa....aa: Compression format

- GZIP

bb....bb:

Path name of the input data file

S:

Continues processing.

KFAA80215-I

Index-rebuild will ignore last status, because --force option is specified. (M+S)

The previous status will be ignored because the --force option was specified.

S:

Continues processing.

KFAA80216-I

aa....aa will resume by continuing from the last command. (process = *bb....bb*) (M+S)

Processing will resume by continuing from the last command.

aa....aa: Processing command

- Import: adbimport command
- Index-rebuild: abdidxrebuild command
- Unarchive-chunk: abdunarchivechunk command

bb....bb: Processing that will resume

- Scan: Data scanning
- Sort: Sort processing
- Index: Processing to create a B-tree index
- Terminate: Termination processing

S: Continues processing.

If *bb....bb* is Terminate, the following processing has finished by the last command:

- Creation of table data and index
- Release of chunks from the archived state

Therefore, only termination processing will be performed by the current command.

Action:

If this message is output during execution of the `adbunarchivechunk` command, only termination processing of the last `adbunarchivechunk` command was performed. Therefore, if you intend to re-execute the `adbunarchivechunk` command but this command has never been executed, you need to execute the `adbunarchivechunk` command again.

KFAA80217-I

Data will be imported in the created mode because the `--force` option is specified. (M+S)

Data import processing will be performed in creation mode because the `--force` option has been specified for the `adbimport` command.

S:

Continues processing.

KFAA80218-I

Sort processing was started. (input-file = *aa....aa*) (chunk id = *bb....bb*) (M+S)

Sort processing has started.

aa....aa:

Path name of sort input file

bb....bb: Chunk ID being processed

The `(chunk id = bb....bb)` part is output in the following cases:

- Index rebuild is performed for a multi-chunk table.
- A chunk is released from the archived state.

S:

Continues processing.

KFAA80219-I

Sort processing was ended. (output-file = *aa....aa*) (chunk id = *bb....bb*) (M+S)

Sort processing has terminated.

aa....aa:

Path name of sort output file

If a text index is processed, the file name of one file is displayed.

bb....bb: Chunk ID being processed

The (chunk id = *bb....bb*) part is output in the following cases:

- Index rebuild is performed for a multi-chunk table.
- A chunk is released from the archived state.

S:

Continues processing.

KFAA80220-I

All sort processing is complete. (chunk id = *aa....aa*) (M+S)

All sort processing is complete.

aa....aa: Chunk ID being processed

The (chunk id = *aa....aa*) part is output in the following cases:

- Index rebuild is performed for a multi-chunk table.
- A chunk is released from the archived state.

S:

Continues processing.

KFAA80222-I

Data search processing will resume because the option --create-temp-file is specified. (last command = *aa....aa*) (M+S)

Processing will restart from the table data search processing because the --create-temp-file option is specified.

aa....aa: Command that was suspended the previous time

- Import: adbimport command
- Index-rebuild: adbidxrebuild command

S:

Continues processing.

KFAA80223-I

aa....aa rows were exported. (M+S)

aa....aa rows were output.

aa....aa:

Number of rows that were output

S:

Continues processing.

KFAA80227-I

Export processing started. (exported data output file = *aa....aa*) (M+S)

Processing of output data file *aa....aa* has started.

aa....aa:

Output data file name

S:

Continues processing.

KFAA80228-I

Export processing ended. (*aa....aa* rows, exported data output file = *bb....bb*) (M+S)

Processing of output data file *bb....bb* has finished.

aa....aa:

Number of rows output to the output data file

bb....bb:

Output data file name

S:

Continues processing.

KFAA80229-I

Archive-chunk processing started. (archive file = *aa....aa*) (M+S)

Processing for the archive file *aa....aa* has started.

aa....aa:

Archive file name

S:

Continues processing.

KFAA80230-I

Archive-chunk processing ended. (*aa....aa* rows, archive file = *bb....bb*) (M+S)

Processing for the archive file *aa....aa* has terminated. The number of output rows is *aa....aa*.

aa....aa:

Number of output rows

bb....bb:

Archive file name

S:

Continues processing.

KFAA80233-I

aa....aa rows searched. (chunk id = *bb....bb*) (M+S)

aa....aa rows were searched.

aa....aa:

Number of rows searched

bb....bb: Chunk ID being processed

This is output if index rebuild is performed for a multi-chunk table. For a single-chunk table, (chunk id = *bb....bb*) is not output.

S:

Continues processing.

KFAA80234-I

Rows were searched to collect cost information. (number of rows = *aa....aa*) (M+S)

aa....aa rows were searched to collect cost information.

aa....aa:

Number of rows searched

S:

Continues processing.

KFAA80235-I

Collection of cost information will now start. (table = "aa....aa"."bb....bb") (M+S)

Collection of cost information will start.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80236-I

Collection of cost information is complete. (table = "aa....aa"."bb....bb", analyzed = cc....cc/dd....dd) (M+S)

Collection of cost information is complete.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc:

Number of analyzed rows

dd....dd: Total number of rows

An asterisk (*) is output when both of the following conditions are satisfied:

- The target table for cost information collection is a row store table in which a B-tree index is not defined.
- The time required for collecting cost information exceeds the time specified for the cost-information collection option `adb_getcst_collect_time` (the KFAA80237-I message is output).

If the target table contains an archived chunk, the number of rows in that chunk is not included in the number of rows output for *cc....cc* and *dd....dd*.

S:

Continues processing.

KFAA80237-I

The cost information collection time has exceeded the specified time. (table = "aa....aa"."bb....bb") (M+S)

The time required for collecting cost information exceeds the specified time.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Registers the cost information that was collected until this message was output, and then continues processing.

Action:

This message is output if the time required for collecting cost information exceeds the time specified for the cost-information collection option `adb_getcst_collect_time`.

As a basic rule, even if this message is output, there is no need to collect cost information again. However, if the access path selected during execution of an SQL statement is different from the one you expected, increase the value specified for the cost-information collection option `adb_getcst_collect_time`, and then re-execute the `adbgetcst` command.

For details about the cost-information collection option `adb_getcst_collect_time`, see *Explanation of specification format* in *Format of the cost-information collection option* in the manual *HADB Command Reference*.

KFAA80240-I

Following chunk ids are source of Data-migration. (chunk id = *aa....aa*) (M+S)

The data in the chunks with chunk IDs *aa....aa* will be migrated.

aa....aa: Chunk IDs

If data in multiple chunks are to be migrated, the multiple chunk IDs are displayed in the following format:

chunk-ID, chunk-ID, chunk-ID, chunk-ID, chunk-ID

A maximum of five chunk IDs are displayed in one message. If data in more than five chunks are to be migrated, multiple messages are output to list all of the chunk IDs.

S:

Continues processing.

KFAA80241-I

The chunk ID of the migration destination is "*aa....aa*". (M+S)

The target chunk ID that is the destination of the migration is *aa....aa*.

aa....aa:

Chunk ID

S:

Continues processing.

KFAA80242-I

aa....aa processing started. (M+S)

Processing *aa....aa* has started.

aa....aa: Processing that has started

- Merge-data: Table data merge processing

- Purge-chunk: Chunk deletion processing
- Index-rebuild: Index rebuild processing

S:

Continues processing.

KFAA80243-I

aa....aa processing ended. (return code = *bb*) (M+S)

Processing *aa....aa* has finished.

aa....aa: Processing that was performed

- Merge-data: Table data merge processing
- Purge-chunk: Chunk deletion processing
- Index-rebuild: Index rebuild processing

bb: Return code

- 0: Normal termination
- 4: Termination with warning
- 8: An error occurred.
- 20: Part of command processing was skipped.

S:

Terminates processing.

Action:

If the return code is not 0, take the action described below.

If the specified command was invalid and the return code 8 was output, check the command specification format, and then re-execute the command.

Return code	Corrective action to take
4	Check the warning message that was displayed or that was output to the message log file, and then take the corrective action indicated in that message.
8	For details about the cause of the error and the corrective action to take, check the error message that was displayed or that was output to the message log file. For details about the actions to take when the <code>adbmergechunk</code> command terminates abnormally, see <i>Handling abnormal termination of the adbmergechunk command</i> in the manual <i>HADB Command Reference</i> .
20	The processing terminated normally, but the merge-source chunk could not be deleted. Therefore, the merge-source chunk is in the <i>deletion-pending status</i> . Execute the PURGE CHUNK statement to delete all deletion-pending chunks. Check the deletion-pending chunks based on the displayed message or the KFAA96785-E message.

KFAA80244-I

The processing of the unarchive chunk was rolled back. (chunk id = aa....aa) (M+S)

The processing to release the chunk from the archived state was rolled back.

aa....aa:

Chunk ID of the target chunk

S:

Continues processing.

KFAA80245-I

The ID of the chunk to be processed by *aa....aa* is *bb....bb*. The range of the chunk is *cc....cc*. (M+S)

The chunk ID of the chunk subject to *aa....aa* processing is *bb....bb*. The range of the values stored in this chunk is *cc....cc*.

This message is output for the following chunks:

- All chunks to be archived when the `adbarchivechunk` command is executed
- All chunks that are released from the archived state when the `adbunarchivechunk` command is executed

aa....aa:

- Archive-chunk: Chunk archive processing
- Unarchive-chunk: Chunk unarchive processing

bb....bb:

Chunk ID of the chunk to be processed

cc....cc: Range of data values stored in the chunk

This value is displayed in the following format. However, if no data is stored in the chunk, a space is displayed.

minimum-data-value-maximum-data-value

The following shows display examples.

- If the data type of the archive range column is DATE

2016/06/01-2016/06/30

- If the data type of the archive range column is TIMESTAMP

2016/06/05 14:00:00.000000-2016/06/05 14:59:59.999999

The fractional seconds precision is set to the precision of the columns of the TIMESTAMP type specified for the archive range column.

- If the data type of the archive range column is TIME

2016/06/05 3:00:00 PM.000000-15/06/05 10:22 AM.123456

The fractional seconds precision is set to the precision of the columns of the TIME type specified for the archive range column.

- If the data type of the archive range column is CHARACTER

"2016-06-10"--"2016-06-20"

If characters cannot be displayed, a single-byte space is displayed.

- If the data type of the archive range column is INTEGER, SMALLINT, or DECIMAL
100-999
10.000-19.999
- If the data type of the archive range column is DOUBLE PRECISION
1.0E1-1.0E3

S:

Continues processing.

KFAA80246-I

aa....aa rows were archived. (chunk id = *bb....bb*) (M+S)

aa....aa rows in the chunk are archived.

aa....aa:

Number of archived rows

bb....bb:

Chunk ID of the chunk to be processed

S:

Continues processing.

KFAA80247-W

No chunk meets the conditions for *aa....aa*. (M+S)

There is no chunk that can be archived. Alternatively, there is no chunk that can be released from the archived state.

aa....aa: Performed processing

- archive: Chunk archive processing
- unarchive: Chunk unarchive processing

S:

Terminates processing.

Action:

Make sure that the target chunk specified by the *-c* option or *-r* option of the command is correct.

Alternatively, make sure that the chunk to be processed by the command meets the conditions for archive (or conditions to release from the archived state). For details about conditions, see the following parts in the manual *HADB Command Reference*:

- Explanation of the *-c* and *-r* options in *Explanation of the specification format and options in adbarchivechunk (Archive Chunk)*
- Explanation of the *-c* and *-r* options in *Explanation of the specification format and options in adbunarchivechunk (Unarchive Chunk)*

KFAA80249-I

The archive file was deleted because it contained 0 data items. (archive file = *aa....aa*) (M+S)

The archive file is deleted because it contains no data.

aa....aa:

Archive file name

S:

Continues processing.

KFAA80250-I

A chunk comment was changed. (chunk ID = *aa....aa*) (M+S)

A chunk comment changed.

aa....aa:

Chunk ID of the chunk whose comment was changed

S:

Terminates processing.

KFAA80251-I

The status of one or more chunks changed to "*aa....aa*". (chunk id = *bb....bb*) (M+S)

A chunk status changed.

aa....aa: Chunk status after change

- *normal*: Normal status
- *wait*: Wait status

bb....bb: Chunk ID of the chunk whose chunk status changed

If the chunk status was changed for multiple chunks, multiple chunk IDs are output, separated by commas. Up to five chunk IDs are output per message. If there are six or more chunk IDs, message KFAA80251-I is output multiple times.

S:

Continues processing.

KFAA80253-I

The delete-pending data will now be deleted from the system table (base table) "*aa....aa*".*"bb....bb"*. (M+S)

Processing to delete the data in the deletion-pending status in the system table (base table) "aa....aa"."bb....bb" will now start.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80254-I

The delete-pending data has been deleted from the system table (base table) "aa....aa"."bb....bb". (return code = cc....cc) (M+S)

Processing to delete the data in the deletion-pending status in the system table (base table) "aa....aa"."bb....bb" has terminated.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc: Return code

- 0: Normal termination
- Other than 0: Error

S:

If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adbreorgsystemdata` command.

KFAA80255-I

Phase 1 of the processing to reorganize the system table (base table) "aa....aa"."bb....bb" will now start. (M+S)

Phase 1 of the processing to reorganize the system table (base table) "aa....aa"."bb....bb" will now start.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80256-I

Phase 1 of the processing to reorganize the system table (base table) "aa....aa"."bb....bb" has finished. (return code = cc....cc) (M+S)

Phase 1 of the processing to reorganize the system table (base table) "aa....aa"."bb....bb" has finished.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc: Return code

- 0: Normal termination
- Other than 0: Error

S:

If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adb reorgsystemdata` command.

KFAA80257-I

Phase 2 of the processing to reorganize the system table (base table) "aa....aa"."bb....bb" will now start. (M+S)

Phase 2 of the processing to reorganize the system table (base table) "aa....aa"."bb....bb" will now start.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80258-I

Phase 2 of the processing to reorganize the system table (base table) "aa....aa"."bb....bb" has finished. (return code = cc....cc) (M+S)

Phase 2 of the processing to reorganize the system table (base table) "aa....aa"."bb....bb" has finished.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc: Return code

- 0: Normal termination
- Other than 0: Error

S:

If the return code is 0, processing continues.

If the return code is not 0, processing terminates.

Action:

If the return code is not 0, eliminate the cause of the error based on the message that was output immediately prior to this message. Then, re-execute the `adb reorg systemdata` command.

KFAA80259-I

The total number of segments used by the system table (base table) "aa....aa"."bb....bb" and by the index defined for that table changed from *cc....cc* to *dd....dd*. (reason = "ee....ee") (M+S)

The total number of segments used by the system table (base table) "aa....aa"."bb....bb" and by the index defined for that table *aa....aa"."bb....bb* changed from "*cc....cc* to *dd....dd*.

aa....aa:

Schema name of the target table

bb....bb:

Table identifier of the target table

cc....cc:

Total number of segments used by the target table and the index defined for that table before reorganization of the system table

dd....dd:

Total number of segments used by the target table and the index defined for that table after reorganization of the system table

ee....ee: Reason

- The new data after reorganization was stored.: The data after reorganization is stored.
- The original data before reorganization was deleted.: The data before reorganization is deleted.

S:

Continues processing.

KFAA80280-I

The number of lines of logical error data output to the error data file reached the maximum. (max. lines output to file = *aa....aa*) (M+S)

The number of lines of logical error data output to the logical error data file has reached the maximum number of lines that can be output.

aa....aa:

The maximum number of lines that can be output to the logical error data file

S:

Continues processing.

Action:

Take one of the following corrective actions:

- Increase the value specified in import option `adb_import_errdata_num` in order to increase the maximum number of lines that can be output to the logical error data file.
- Eliminate the causes of the logical errors in input data so that the number of logical errors in the input data file does not reach the maximum number of lines that can be output to the logical error data file.

Then, re-execute the `adbimport` command specifying the `-d` option and not specifying the `-e` option. Data import processing is then executed in creation mode, and processing continues even if a logical error is detected.

If the `-e` option is specified, processing terminates when a logical error is detected.

KFAA80281-I

The input data contains a logical error. (error count = *aa....aa*) (M+S)

A logical error has occurred in input data.

aa....aa: Number of logical errors

If the `-e` option was specified, this is the number of logical errors that were detected before this message was output.

S:

Terminates processing.

Action:

Check messages pertaining to logical error data, and eliminate the causes of the logical errors in data in the input data file. Then, re-execute the `adbimport` command.

However, if the `adbimport` command was executed specifying 1 for import option `adb_import_errmsg_lv`, no messages pertaining to logical errors are displayed. In this case, determine the cause of the logical errors from the input data that was not loaded into the database, and then eliminate the cause of the logical errors.

For details about the corrective action to take when logical errors occur in input data, see *How to handle logical errors in input data* in the manual *HADB Command Reference*.

KFAA80282-I

Cost-information search processing was started for the "aa....aa"."bb....bb" table. (M+S)

Retrieval processing for collecting cost information for base table aa....aa.bb....bb has started.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80283-I

Cost-information search processing was ended for the "aa....aa"."bb....bb" table. (M+S)

Retrieval processing for collecting cost information for base table aa....aa.bb....bb has been completed.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80284-I

Cost-information storage processing in a system table was started for the "aa....aa"."bb....bb" table. (M+S)

The processing to store cost information for base table aa....aa.bb....bb in the system tables has started.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80285-I

Cost-information storage processing in a system table was ended for the "aa....aa"."bb....bb" table. (M+S)

The processing to store cost information for base table *aa....aa.bb....bb* in the system tables has been completed.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80286-I

Cost-information deletion processing in a system table was started for the "*aa....aa*".*"bb....bb"* table. (M+S)

The processing to delete cost information for base table *aa....aa.bb....bb* from the system tables has started.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80287-I

Cost-information deletion processing in a system table was ended for the "*aa....aa*".*"bb....bb"* table. (M+S)

The processing to delete cost information for base table *aa....aa.bb....bb* from the system tables has been completed.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80288-I

Cost-information deletion processing in a system table was skipped for the "*aa....aa*".*"bb....bb"* table. (M+S)

The processing to delete cost information for base table *aa....aa.bb....bb* from the system tables was skipped because there is no cost information for that base table in the system tables.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80291-I

Processing to collect cost information about the "aa....aa"."bb....bb" table started. (M+S)

The consolidation of cost information for base table *aa....aa.bb....bb* has started.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80292-I

Processing to collect cost information about the "aa....aa"."bb....bb" table ended. (M+S)

The consolidation of cost information for base table *aa....aa.bb....bb* has finished.

aa....aa:

Schema name

bb....bb:

Table identifier

S:

Continues processing.

KFAA80295-I

Processing to output the statistics log started. (file = *aa....aa*) (M)

The processing to output a statistics log started.

aa....aa:

Name of the statistics log file

S:

Continues processing.

KFAA80296-I

The output destination for the statistics log was changed from *aa....aa* to *bb....bb*. (M)

The target file for statistics log output changed from *aa....aa* to *bb....bb*.

aa....aa:

Name of the statistics log file before change

bb....bb:

Name of the statistics log file after change

S:

Continues processing.

Action:

Statistical information output to the statistics log file before the change might be overwritten. If you need to save the statistical information, output the statistical information for SQL statements using the `adbstat` command.

KFAA80297-I

The size of the statistics log file was reduced.(file name = *aa....aa* , size = *b* GB) (M)

The size of the statistics log file changed.

aa....aa:

Name of the statistics log file

b:

Size of the statistics log file after change

S:

Continues processing.

KFAA80300-I

The communication service started. (port = *aaaaaa*) (L+M)

The communication service has been started.

aaaaaa:

Service port number

S:

Continues processing.

KFAA80301-I

The communication service terminated. (port = *aa....aa*) (L+M)

The communication service has stopped.

aa....aa:

Service port number

S:

Terminates processing.

KFAA81000-I

A connection was established. (connection identifier = *aaaa*, application identifier = "bb....bb", client group = "cc....cc", IP address = "dd....dd", process ID = *ee....ee*, connection serial number = *ff...ff*, connection information = *gg....gg*) (M)

A connection has been established with an application program or command using connection ID *aaaa*.

aaaa:

Connection ID

bb....bb:

Application identifier

cc....cc:

Name of the client group to which the client belongs, or name of the command group to which the command belongs

dd....dd:

IP address

ee....ee:

Process ID

ff...ff:

Connection sequence number (starting with 1) that is allocated after the HADB server starts

gg....gg:

Connection information

S:

Continues processing.

KFAA81001-I

The connection was ended. (connection identifier = *aaaa*, connection information = *bb....bb*) (M)

The connection with an application program or command whose connection ID is *aaaa* has been terminated.

aaaa:

Connection ID

bb....bb:

Connection information

S:

Continues processing.

KFAA81002-I

The transaction ended normally. (connection identifier = *aaaa*) (M)

The transaction of connection ID *aaaa* has terminated normally.

aaaa:

Connection ID

S:

Continues processing.

KFAA81003-I

The transaction was rolled back. (connection identifier = *aaaa*) (M)

The transaction of connection ID *aaaa* has been rolled back.

aaaa:

Connection ID

S:

Continues processing.

KFAA81004-I

The output destination file of the SQL trace was changed from *aa....aa* to *bb....bb*. (M)

The output destination of SQL trace information is changed from *aa....aa* to *bb....bb*.

aa....aa:

SQL trace file name before change

bb....bb:

SQL trace file name after change

S:

Continues processing.

Action:

SQL trace information that has been output to the SQL trace file before change might be overwritten by the new SQL trace information. If you want to save the SQL trace information, back up the trace file.

KFAA81200-I

The server definition `adb_dbbuff_wrktbl_clt_blk_num` was changed from *aa....aa* to *bb....bb*. (L+M)

The value specified in the server definition's `adb_dbbuff_wrktbl_clt_blk_num` operand has changed from *aa....aa* to *bb....bb*.

aa....aa:

Value specified in the server definition's `adb_dbbuff_wrktbl_clt_blk_num` operand before it was changed
(number of pages of buffer for local work table)

bb....bb:

Value specified in the server definition's `adb_dbbuff_wrktbl_clt_blk_num` operand after it was changed
(number of pages of buffer for local work table)

S:

Continues processing.

KFAA81205-I

Processing to check for transactions that require recovery will begin. Now checking for transactions that were *aa....aa*. (size of the system log to be checked = *bb....bb* KB) (M)

Processing to check for transactions that require recovery will now start.

aa....aa: Type of the transaction

- `updating system info`
Transaction that is updating system information
- `in commit or rollback after updating system info`
Transaction that was being completed after updating system information
- `updating the data DB area`
Transaction that is updating the data DB area
- `in commit or rollback after updating the data DB area`
Transaction that was being completed after updating the data DB area
- `removing archive files`
Transaction that is deleting the archive directory
- `updating database resident info`
Transaction that is updating database resident information

bb....bb:

Size of the system log to be checked (KB)

S:

Continues processing.

KFAA81206-I

Processing to check for transactions that require recovery is complete. (M)

Processing to check for transactions that require recovery has terminated.

S:

Continues processing.

KFAA81207-I

Processing to recover the database will now begin. (total number of transactions = $aa....aa$, total number of user log files = $bb....bb$, total size of system logs to be recovered = $cc....cc$ KB) (M)

Processing to recover the database will now start.

aa....aa:

Total number of transactions that must be recovered

bb....bb:

Total number of user log files that must be recovered

cc....cc:

Total size of system logs that must be recovered (KB)

S:

Continues processing.

KFAA81208-I

Processing to recover the database is complete. (M)

Processing to recover the database has terminated.

S:

Continues processing.

KFAA81209-I

Processing to recover transactions will now begin. (transaction ID = $aa....aa$, number of user log files = $bb....bb$, size of system logs to be recovered = $cc....cc$ KB) (M)

Processing to recover the transaction will now start.

aa....aa:

 Transaction ID

bb....bb:

 Number of user log files that must be recovered

cc....cc:

 Size of system logs that must be recovered (KB)

S:

 Continues processing.

KFAA81210-I

Processing to recover transactions is complete. (transaction ID = *aa....aa*) (M)

Processing to recover the transaction has terminated.

aa....aa:

 Transaction ID

S:

 Continues processing.

KFAA81211-I

Processing to recover transactions is complete. (transaction ID = *aa....aa*, recovered rows = {ins: *bb....bb*, upd: *cc....cc*, del: *dd....dd*}, buffer requests = *ee....ee*, pages read = {count: *ff....ff*, total size: *gg....gg* KB}, pages written = {count: *hh....hh*, total size: *ii....ii* KB}) (L+M)

Processing to recover the transaction has terminated.

aa....aa:

 Transaction ID

bb....bb:

 Number of rows inserted by the `INSERT` statement that was being executed by the transaction to be recovered[#]

cc....cc:

 Number of rows updated by the `UPDATE` statement that was being executed by the transaction to be recovered[#]

dd....dd:

 Number of rows deleted by the `DELETE` statement that was being executed by the transaction to be recovered[#]

ee....ee:

 Number of page requests for the global buffer

ff....ff:

 Number of times pages were read

gg....gg:

Total size of pages that were read (KB)

hh....hh:

Number of times data was written to pages

ii....ii:

Total size of pages to which data was written (KB)

#

This includes the number of rows processed by the HADB server for the dictionary table (base table), system table (base table), and location table.

S:

Continues processing.

Action:

This message is output if recovery processing of a transaction took more time than the value specified for the `adb_log_rec_msg_interval` operand in the server definition.

If processing to recover a transaction took a longer time than you expected, check the information output to this message. Then, consider reducing the amount of information updated in one transaction by, for example, increasing the number of times transactions are committed.

KFAA81214-I

Now checking transactions... (time elapsed in minutes = *aa....aa*, size of system logs that have been checked = *bb....bb* KB, progress = *ccc%* complete) (L+M)

Transaction check processing is in progress. *aa....aa* minutes have elapsed since the start.

aa....aa:

Time elapsed since the check processing started (minutes)

bb....bb:

Size of the checked system log file (KB)

ccc:

Progress of check processing (%)

S:

Continues processing.

KFAA81215-I

Now recovering the database... (time elapsed in minutes = *aa....aa*, total size of system logs that have been recovered = *bb....bb* KB, progress = *ccc%* complete) (L+M)

Processing to recover the database is in progress. *aa....aa* minutes have elapsed since the recovery processing started.

aa....aa:

Time elapsed since the database recovery processing started (minutes)

bb....bb:

Size of the recovered system log file (KB)

ccc:

Progress of recovery processing (%)

S:

Continues processing.

Action:

This message is output at certain intervals according to the value specified for the `adb_log_rec_msg_interval` operand in the server definition.

From this message, estimate the time required to complete the database recovery processing and allow subsequent processing to be restarted.

For details, see *Steps to take when the processing time for restarting the HADB server takes too long* in the *HADB Setup and Operation Guide*.

KFAA81220-I

The updated-row columnizing facility is *aa....aa*. (L+M)

The status of the updated-row columnizing facility is *aa....aa*.

aa....aa: Status of the updated-row columnizing facility

- ACTIVE: Enabled
- INACTIVE: Disabled

S:

Continues processing.

KFAA81221-I

Input/output control for the files used by the updated-row columnizing facility has started. (M)

Input/output control for the files used by the updated-row columnizing facility has started.

S:

Continues processing.

KFAA81400-I

The audit trail facility is *aa....aa*. (M)

The audit trail facility is *aa....aa*.

aa....aa: Status of the audit trail facility

- ACTIVE: Enabled
- INACTIVE: Disabled

S:

Continues processing.

KFAA81401-I

The file to which the audit trail is output was swapped. (file name = *aa....aa*) (M)

The file to which the audit trail is output was swapped.

aa....aa:

Absolute path of the swap-source audit trail file (absolute path after the rename)

S:

Continues processing.

Action:

If a value other than 0 is specified for the `adb_audit_log_max_num` operand in the server definition, the old audit trail file might be deleted. Therefore, if this message is output, we recommend that you move audit trail files to the audit trail storage directory.

KFAA81402-I

The audit trail file was renamed. (file name = *aa....aa*) (M)

The audit trail file was renamed.

aa....aa:

Absolute path of the audit trail file after the rename

S:

Continues processing.

KFAA82000-I

The compression type for column "cc....cc" in table "aa....aa"."bb....bb" is "dd....dd". (thread no. = *ee....ee*) (M)

The compression type of the "cc....cc" column of the column store table "aa....aa"."bb....bb" is *dd....dd*. The thread number used to perform compression is *ee....ee*.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc:

Column name

dd....dd: Column-data compression type

- NONE: Not compressed
- RUNLENGTH: Compression by run-length encoding
- DELTA: Delta compression
- DELTA_RUNLENGTH: Compression by delta run-length encoding
- DICTIONARY: Compression by dictionary encoding

ee....ee:

Real thread number

S:

Continues processing.

KFAA82002-I

The storage ratio for column "cc....cc" in table "aa....aa"."bb....bb" is dd....dd (ee....ee) bytes to ff....ff bytes (gg....gg %). (data type = hh....hh) (M)

The data storage rate of the "cc....cc" column of the column store table "aa....aa"."bb....bb" is gg....gg%.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc:

Column name

dd....dd:

Size of the column data when data is stored without compression (bytes)

This is the size of the column data when NONE is specified for the column-data compression type.

ee....ee:

Data size of the input data file (bytes)

This is the size of the character string data extracted from the input data file.

ff....ff:

Size of the column data after compression (bytes)

gg....gg:

Storage rate (%)

hh....hh:

Data type of the cc....cc column

S:

Continues processing.

KFAA82003-I

The compression ratio of table "aa....aa"."bb....bb" is cc....cc (dd....dd) bytes to ee....ee bytes (ff....ff%). (M)

The data storage rate of the entire column store table "aa....aa"."bb....bb" is ff....ff%.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc:

Data size of the of the entire table when data is stored without compression (bytes)

This is the data size of the entire table when NONE is specified for the column-data compression type.

dd....dd:

Data size of the input data file (bytes)

This is the size of the character string data (including delimiting characters) extracted from the input data file.

ee....ee:

Data size of the entire table after compression (bytes)

ff....ff:

Storage rate (%)

S:

Continues processing.

KFAA82004-I

The number of segments used in table "aa....aa"."bb....bb" is cc....cc. (max = dd....dd, min = ee....ee, average = ff....ff, unused pages = gg....gg) (M)

The number of segments that are used to import data from the column store table "aa....aa"."bb....bb" is cc....cc.

The maximum number of data items stored in one segment is dd....dd. The minimum number is ee....ee. The average number is ff....ff. The number of unused pages in the segments where data is stored is gg....gg.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc:

Number of segments where data is stored

dd....dd:

The maximum number of data items that are stored in one segment

ee....ee:

The minimum number of data items that are stored in one segment

ff....ff:

The average number of data items that are stored in one segment

gg....gg:

Number of unused pages in the segments where data is stored

S:

Continues processing.

2.7 Messages from KFAA90000 to KFAA99999

KFAA90000-I

aa....aa processing started. (M+S)

Processing of the *aa....aa* command has started.

aa....aa:

Executed command

S:

Continues processing.

KFAA90001-I

aa....aa processing ended. (return code = *bb*) (M+S)

Processing of the *aa....aa* command has terminated.

aa....aa:

Executed command

bb: Return code

- 0: Normal termination
- 4: Termination with warning
- 8: Abnormal termination
- 12: Re-execution required
- 16: Disrupted communication with an HADB server
- 20: Part of processing skipped

S:

Continues processing.

Action:

■ **If the return code is 4**

Although processing of the executed command terminated, a warning or an error occurred in an extension of processing. Check the warning message or error message output to the message log.

■ **If the return code is 8**

Eliminate the cause of the error based on the message that was output immediately prior to this message, and then re-execute the command.

■ **If the return code is 12**

Although processing of the executed command terminated, the command must be re-executed for postprocessing. Eliminate the cause of the error based on the message that was output immediately prior to this message, and then take the following action.

- If the executed command is the `adbreorgsystemdata` command

The data before reorganization remains in the system-table DB area. Re-execute the `adbreorgsystemdata` command.

■ If the return code is 16

Communication with the HADB server was disconnected during command execution. For the cause of this disconnection, check the error message that was displayed or the error message that was output to the message log file.

In addition, check the warning message or error message output to the message log to confirm that the command terminated normally.

- If the executed command is the `adbreorgsystemdata` command

Check the return code in the KFAA80204-I message, and then take corrective actions shown in the following table.

No.	Return code	Corrective action to take
1	0 or 4	All processing of system table reorganization has been completed. No action is needed.
2	8	The system table (base table) returns to the status before execution of the <code>adbreorgsystemdata</code> command. Eliminate the cause of the error, and then re-execute the <code>adbreorgsystemdata</code> command.
3	12	Although system table reorganization processing has been completed, the data before reorganization remains as deletion-pending chunks. These deletion-pending chunks can be deleted by re-executing the <code>adbreorgsystemdata</code> command. To check for the existence of deletion-pending chunks, use the <code>adbdbstatus</code> command. For details, see <i>Checking the status and amount of use of system tables</i> in the <i>HADB Setup and Operation Guide</i> .

If the KFAA80204-I message is not output, the process of the HADB server has been terminated forcibly by the `adbstop --force` command. Restart the HADB server, and then re-execute the `adbreorgsystemdata` command.

■ If the return code is 20

For details about the corrective action to take, see the description for return code 20 in *Return codes in adbmergechunk (Merge Chunks)* in the manual *HADB Command Reference*.

KFAA90002-E

The command arguments or command options are invalid. (command name = *aa....aa*, reason = *bb....bb*) (E+M)

The command specification format is invalid.

aa....aa:

Executed command

bb....bb: Description of error

- no necessary option
A required option was not found.
- invalid option
An invalid option was specified.
- number of command arguments are invalid
The number of command arguments specified is invalid.

- invalid argument

The specified value of an option argument is invalid.

S:

Terminates processing.

Action:

Correct the specification format of the command as indicated by the Usage note output after this message, and then retry the operation.

KFAA90003-E

The option argument is invalid. (command name = *aa....aa*, option = *bb....bb*, reason = *cc....cc*) (E+M)

A specification for a command option argument is invalid.

aa....aa:

Executed command

bb....bb:

Invalid option

cc....cc: Description of error

- the length (byte) of option argument is invalid

The length of an option argument is invalid.

- character attribute of option argument is invalid

A character attribute specified in the option argument is invalid.

- out of range

The value specified as the option argument is outside the allowed range.

S:

Terminates processing.

Action:

Correct the specification of the option argument, and then re-execute the command.

KFAA90004-E

The HADB system is not running. First start the HADB system, and then re-execute the command. (E+M)

The command cannot be executed because the HADB server is not running.

S:

Terminates processing.

Action:

Once the HADB server has started, execute the command.

KFAA90005-E

The HADB system is running. First stop the HADB system, and then re-execute the command. (E+M)

The command cannot be executed because the HADB server has not stopped.

S:

Terminates processing.

Action:

Once the HADB server has terminated, execute the command.

KFAA90006-E

The adbstart command, the adbstop command, the adbchgsrvmode command or the adbinit command is already executing. (E+M)

This command cannot be executed because the adbstart, adbstop, adbchgsrvmode, or adbinit command is executing.

S:

Terminates processing.

Action:

Only one of the commands adbstart, adbstop, adbchgsrvmode, or adbinit can be executed at any one time. Wait for the adbstart, adbstop, adbchgsrvmode, or adbinit command to terminate, and then re-execute the command.

KFAA90008-Q

Specify a password: (M+S)

Specify a password for the authorization identifier that connects to the HADB server.

S:

Continues processing.

Action:

Specify a password.

KFAA90009-E

An error occurred while reading from the standard input. (func = "aa....aa", errno = bb....bb) (E+M)

An error occurred while reading from the standard input.

aa....aa:

Name of the function being executed

bb....bb:

Error number returned in `errno`

S:

Terminates processing.

Action:

Check in the OS documentation for the error number that was displayed in `errno` (*bb....bb*), and then eliminate the cause of the error.

If you cannot determine the corrective action to take based on the error number that was displayed in `errno` (*bb....bb*), execute the `adbinfoget` command, collect troubleshooting information, and then contact the customer support center.

KFAA90010-I

The following values were specified for the *aa....aa* command. (M)

A value is specified for the *aa....aa* command.

A message indicating the specified value is output after this message.

aa....aa:

Name of the command executed

S:

Continues processing.

KFAA90011-I

aa....aa : bb....bb (M)

bb....bb is specified for the *aa....aa* command.

aa....aa:

Command name

bb....bb: Specified value

If the specified value exceeds 1,024 bytes, the 1,024th and subsequent bytes are truncated.

S:

Continues processing.

KFAA90012-E

The length of the entered password is invalid. (E+M)

The length of the entered password is invalid.

S:

Terminates processing.

Action:

Enter the correct password.

KFAA90500-E

The "aa....aa" option cannot be used. Use the "bb....bb" option. (E+M)

You can no longer specify the command option *aa....aa*. Specify the option *bb....bb* instead.

aa....aa:

Name of the option that can no longer be specified.

bb....bb:

Name of the option that takes the place of the option that can no longer be specified

S:

Terminates processing.

Action:

Take one of the following actions:

- If this message is output when the command `adbimport` is executed

You cannot specify the following import options:

- `adb_import_dataload_rthd_num`
- `adb_import_sort_rthd_num`
- `adb_import_dividx_rthd_num`

For the import option `adb_import_rthd_num`, specify the number of processing real threads to be used during execution of the command `adbimport`. For details about `adb_import_rthd_num`, see *Options related to performance* in *Explanation of specification format* in *Format of import options* in the manual *HADB Command Reference*.

- If this message is output when the command `adbidxrebuild` is executed

You cannot specify the following index rebuild options:

- `adb_idxrebuild_scan_rthd_num`
- `adb_idxrebuild_sort_rthd_num`
- `adb_idxrebuild_dividx_rthd_num`

For the index rebuild option `adb_idxrebuild_rthd_num`, specify the number of processing real threads to be used during execution of the command `adbidxrebuild`. For details about `adb_idxrebuild_rthd_num`, see *Explanation of specification format* in *Format of index rebuild options* in the manual *HADB Command Reference*.

- If this message is output when the command `adbgetcst` is executed

You cannot specify the following cost-information collection option:

- `adb_getcst_scan_rthd_num`

For the cost-information collection option `adb_getcst_rthd_num`, specify the number of processing real threads to be used during execution of the command `adbgetcst`. For details about `adb_getcst_rthd_num`, see *Explanation of specification format* in *Format of the cost-information collection option* in the manual *HADB Command Reference*.

- If this message is output when the command `adbexport` is executed

You cannot specify the following export option:

- `adb_export_scan_rthd_num`

For the export option `adb_export_rthd_num`, specify the number of processing real threads to be used during execution of the command `adbexport`. For details about `adb_export_rthd_num`, see *Options related to performance* in *Explanation of specification format* in *Format of export options* in the manual *HADB Command Reference*.

- If this message is output when the command `adbmergechunk` is executed

You cannot specify the following merge chunk options:

- `adb_mergechunk_scan_rthd_num`
- `adb_mergechunk_sort_rthd_num`
- `adb_mergechunk_divididx_rthd_num`

For the merge chunk option `adb_mergechunk_rthd_num`, specify the number of processing real threads to be used during execution of the command `adbmergechunk`. For details about `adb_mergechunk_rthd_num`, see *Explanation of specification format* in *Format of merge chunk options* in the manual *HADB Command Reference*.

- If this message is output when the command `adbarchivechunk` is executed

You cannot specify the following archive chunk option:

- `adb_arcv_scan_rthd_num`

For the archive chunk option `adb_arcv_rthd_num`, specify the number of processing real threads to be used during execution of the command `adbarchivechunk`. For details about `adb_arcv_rthd_num`, see *Explanation of specification format* in *Format of archive chunk options* in the manual *HADB Command Reference*.

- If this message is output when the command `adbunarchivechunk` is executed

You cannot specify the following unarchive chunk options:

- `adb_unarcv_dataload_rthd_num`
- `adb_unarcv_sort_rthd_num`
- `adb_unarcv_divididx_rthd_num`

For the unarchive chunk option `adb_unarcv_rthd_num`, specify the number of processing real threads to be used during execution of the command `adbunarchivechunk`. For details about `adb_unarcv_rthd_num`, see *Explanation of specification format* in *Format of unarchive chunk options* in the manual *HADB Command Reference*.

KFAA91000-E

An error occurred while processing a command. (command name = *aa....aa*, reason = *bb....bb*) (E+M)

Processing stopped because an error occurred during execution of a command.

aa....aa:

Executed command

bb....bb:

Cause of the error

S:

Terminates processing.

Action:

Take the corrective action that corresponds to the cause of the error that was output, as described in the following table.

Cause of the error	Definition	Action to take
A memory is insufficient	Memory is insufficient.	Delete any unnecessary processes. If there are no unnecessary processes, memory is insufficient.
The execution environment is invalid	The execution environment of the command is invalid.	The structure of the directory specified for the ADBDIR environment variable is invalid. Re-install the HADB server. For details about how to install the HADB server, see <i>Installing the HADB server</i> in the <i>HADB Setup and Operation Guide</i> .
Communication error	A communication error occurred.	The possible causes are as follows: <ul style="list-style-type: none"> • The HADB server is stopped. • An error occurred on the HADB server, and the connection was closed. • An error occurred in communications initialization processing. • A network failure occurred. • Allocation of communication port numbers failed.
Internal error	There is an internal conflict.	Take the corrective action described in the message that was output.
Lack of file descriptor	There are no longer enough file descriptors.	If there are files that can be closed, close them.
Failed operation of shared memory	An attempt to access shared memory failed.	Eliminate the cause of the error as indicated for the message that was output, and then re-execute the command. If the HADB server is set up to automatically start from Job Management Partner 1/Automatic Job Management System 3, this error might be output because the kernel parameters specified in <code>/etc/security/limits.conf</code> do not take effect. See <i>Estimating the kernel parameters</i> in the <i>HADB Setup and Operation Guide</i> , and then check that the kernel parameters are configured to take effect.
Failed operation of semaphore	Semaphore operation has failed.	Eliminate the cause of the error based on the message that was output, and then re-execute the command.
Trouble shoot information is exist	Troubleshooting information already exists.	Collect troubleshooting information with the <code>adbinfoget</code> command, re-execute the command, and then delete the troubleshooting information.
I/O error	An I/O error has occurred.	A failure might have occurred on a disk that holds the server directory. After taking corrective action, re-execute the command.

KFAA91001-W

An error occurred during command execution. (reason = *aa....aa*) (E+M)

An error occurred during command execution, but processing continues.

aa....aa:

Cause of the error

S:

Terminates processing.

Action:

Take the corrective action that corresponds to the cause of the error that was output, as described in the following table.

Cause of the error	Definition	Action to take
message log file disk full	An attempt to write to a message log file failed because the disk is full.	Terminate the HADB server with the adbstop command, increase the amount of free space on the disk that holds the server directory, and then re-execute the command.
message log file write failed	An attempt to write to a message log file failed.	Confirm that the status of the message log file allows writes, and then re-execute the command.

KFAA91100-I

Usage: adbstart [{--normal | --quiescence | --offline | --maintenance}] (M+S)

Indicates the specification format of the adbstart command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA91101-W

The adbstart command does not need to be executed because the HADB system is already running. (E+M)

There is no need to execute the adbstart command because the HADB server is already running.

S:

Terminates processing.

KFAA91102-E

An error occurred during the HADB system start processing. (information = *aa....aa*) (E+M)

An error occurred during HADB server start processing.

aa....aa:

Message ID

S:

Terminates processing.

Action:

The start processing error message (the message corresponding to the message ID output as *aa....aa*) has been output to a message log file. Take corrective action as indicated for that error message.

If an error occurs before the area for communication between the `adbstart` process and the server process is prepared, and the message ID cannot be acquired, 00000 is output for *aa....aa*. In that case, check the message that was output immediately prior to this message, since the cause of the error is sometimes output to the message log. If no message is output, the file might have failed to open because there are not enough file descriptors. In this case, reduce the number of file descriptors used in the system as a whole, and then retry the operation.

00000 is also output for information even when the server process is terminated due to one of the following errors prior to completion of server process startup.

- When the server process is terminated by the OS's `kill` command
- When the server process is forcibly terminated by `OOM Killer` because sufficient memory could not be allocated by the OS
- When the multi-node function is used and the `adbstart` command is executed without waiting for the HA Monitor server to stop

In these cases, the cause of the error is output to `syslog`. Check `syslog`, eliminate the cause of the error, and then retry the operation.

KFAA91104-Q

Are you sure you want to discard trouble shoot information? (y/N) (M+S)

Specify whether you want to delete troubleshooting information.

S:

Continues processing.

Action:

Take one of the following actions:

- If troubleshooting information has not been collected by using the `adbinfoget` command, enter either `n` or `N`, and then terminate the `adbstart` command. After that, use the `adbinfoget` command to collect troubleshooting information. For details about how to collect troubleshooting information, see *Collecting troubleshooting information (adbinfoget command)* in *Error Handling* in the *HADB Setup and Operation Guide*.
- If troubleshooting information has been collected by using the `adbinfoget` command, enter `y` or `Y`. The HADB server will start after the troubleshooting information created by the HADB server has been deleted from the shared memory.

KFAA91105-I

The HADB system was started *aa....aa*. (HADB server operation mode = "*bb....bb*") (S+L+M)

The HADB server has started normally. The HADB server operation mode is *bb....bb*.

aa....aa: Startup mode

normally: Normal start

bb....bb: HADB server operation mode

- NORMAL: Normal mode
- QUIESCENCE: Quiescence mode
- OFFLINE: Offline mode
- MAINTENANCE: Maintenance mode

S:

Terminates processing.

KFAA91107-Q

Are you sure you want to upgrade database from version "*aa....aa*" to version "*bb....bb*"? (y/N) (M+S)

Specify whether you want to upgrade the database.

aa....aa:

HADB server version before upgrading

bb....bb:

HADB server version after upgrading

S:

Continues processing.

Action:

If you want to upgrade the database, enter *y* or *Y*. If you want to cancel upgrading, enter *n* or *N*.

KFAA91108-E

The upgrade of the database was canceled. (E+M)

The database upgrade processing was canceled.

S:

Terminates processing.

KFAA91109-I

Execute the monbegin command of HA Monitor. (M+S)

Execute HA Monitor's monbegin command.

S:

Terminates processing.

Action:

If this message is output, execute HA Monitor's monbegin command. If the monbegin command had already been executed when this message is output, first execute the monend command. Then, re-execute the monbegin command.

KFAA91110-I

The HADB node type is "aa....aa". (S+L+M)

The node type of the HADB server is *aa....aa*.

aa....aa: Node type

- MASTER: Master node
- SLAVE: Slave node

S:

Terminates processing.

KFAA91111-I

The upgrade of the database from version "aa....aa" to version "bb....bb" was complete. (S+L+M)

The upgrade of the database has been completed.

aa....aa:

Version of the HADB server before upgrade

bb....bb:

Version of the HADB server after upgrade

S:

Terminates processing.

KFAA91150-I

Usage: adbstop [{--wait {connection | transaction} [-t <time-out-period>] [--node] | --cancel [-node] | --force | --node}] (M+S)

Indicates the specification format of the adbstop command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA91151-W

The adbstop command does not need to be executed because the HADB system is not running. (E+M)

There is no need to execute the adbstop command, because the HADB server has already terminated.

S:

Terminates processing.

KFAA91152-E

An error occurred during the HADB system terminate processing. (information = *aa....aa*) (E+M)

An error occurred during HADB server termination processing.

aa....aa:

Message ID

S:

Terminates processing.

Action:

The termination processing error message (the message corresponding to the message ID output as *aa....aa*) is output to a message log file. Take corrective action as indicated for the error message.

KFAA91153-Q

Are you sure you want to perform a forced termination? (y/N) (M+S)

Specify whether you want to force the HADB server to terminate.

S:

Continues processing.

Action:

To forcibly terminate, specify y (or Y). To cancel forcible termination, specify n (or N).

KFAA91154-I

The HADB system was terminated *aa....aa*. (S+L+M)

The HADB server terminated normally or forcibly.

aa....aa: Termination mode

- **normally**: Normal termination
- **forcibly**: Forced termination

S:

Terminates processing.

KFAA91155-I

The forced termination of the HADB system was canceled. (M+S)

Forcible termination of the HADB server was canceled.

S:

Terminates processing.

KFAA91250-I

Usage: `adbcancel {--ALL | -u <connection-identifier>}` (M+S)

Indicates the specification format of the `adbcancel` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA91251-Q

Are you sure you want to cancel all connections? (y/N) (M+S)

Specify whether to forcibly terminate all connections.

S:

Continues processing.

Action:

To forcibly terminate all connections, specify y (or Y); to not terminate forcibly, specify n (or N).

KFAA91252-E

A connection using the specified connection identifier (-u option of `adbcancel` command) was not established. (E +M)

The connection of the connection ID specified using the -u option of the `adbcancel` command has not been established.

S:

Terminates processing.

Action:

Check whether the connection ID specified with the `-u` option is correct.

KFAA91253-I

The cancel processing was canceled. (M+S)

Cancel processing has been stopped.

S:

Terminates processing.

KFAA91254-E

An error occurred during cancellation processing. (information = *aa....aa*) (E+M)

An error occurred during cancellation processing.

aa....aa:

Message ID

S:

Terminates processing.

Action:

Check the termination processing error message output to the message log file (the message ID is output to *aa....aa*), and then eliminate the cause of the error. Then, retry the operation.

KFAA91300-I

Usage: `adbls -d {srv | cnct | mem [-a] | shm [-a] | thd | ver | gbuf | lbuf | lock | node | cltgrp} [-t] [-c]` (M+S)

Indicates the specification format of the `adbls` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA91301-E

There is no information to be output. (reason = "aa....aa") (E+M)

There is no information to be output.

aa....aa: Reason

- SERVER NOT UP: The HADB server has not started.
- SHARE MEMORY NOT FOUND: The shared memory does not exist.

S:

Terminates processing.

Action:

After the HADB server has started, re-execute the `adb1s` command.

KFAA91350-I

Usage: `adbshmdump {-m | -o <shmdump-file-path>} [-n <shm-no>]` (M+S)

Indicates the specification format of the `adbshmdump` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA91400-I

Usage: `adbinfoget {-g | -m | -o <output-directory>} [-f <core-file>] [-l] [-r]` (S)

Indicates the specification format of the `adbinfoget` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA91401-I

`adbinfoget` processing started. (S)

Processing of the `adbinfoget` command is starting.

S:

Continues processing.

KFAA91402-I

`adbinfoget` processing ended. (return code = *aa....aa*) (S)

Processing of the `adbinfoget` command is terminating.

aa....aa:

Return code

S:

Terminates processing.

Action:

If the return code was not 0, take the corrective action indicated for the message that was output immediately prior to this message, and then eliminate the cause of the error.

KFAA91403-E

The specified path "*aa....aa*" is invalid. (reason = *bb....bb*) (E)

There is a problem with the specified path.

aa....aa:

Specified path

bb....bb: Cause of the error

- **not directory:** The specified directory was not found. Another possibility is that it is not a directory.
- **not file:** The specified file was not found. Another possibility is that the path does not point to a file.
- **too long:** The path is too long.
- **invalid character:** An invalid character was specified.
- **not full path:** The path was not specified as an absolute path starting with a slash (/).
- **root directory:** The root directory was specified.
- **invalid directory:** Directories that include server directories or client directories cannot be specified.
- **not authorized:** You do not have permission.

S:

Terminates processing.

Action:

Eliminate the cause of the error, and then re-execute the command.

KFAA91404-I

The troubleshooting information (*aa....aa*) output by the `adbinfoget` command is *bb....bb* bytes. (S)

The size of the troubleshooting-information file that is output when the `adbinfoget` command is executed is *bb....bb* bytes.

aa....aa: Type of troubleshooting-information file

- **detail:** Troubleshooting-information file (detailed version)
- **light, mail:** Troubleshooting-information file (light version and mail version)

- **root**: Troubleshooting-information file (root version)

bb....bb:

Output size of troubleshooting information (bytes)

S:

Continues processing.

KFAA91405-E

The work directory is already exist. (E)

The work directory already exists.

S:

Terminates processing.

Action:

The `adbinfoget` command might have been executed simultaneously. Re-execute the command.

KFAA91406-I

Creation of a light-version troubleshooting information file started. (S)

Creation of a troubleshooting-information file (light version) is beginning.

S:

Continues processing.

KFAA91407-I

Creation of a light-version troubleshooting information file is complete. (S)

Creation of a troubleshooting-information file (light version) has finished.

S:

Continues processing.

KFAA91408-I

Creation of a detail-version troubleshooting information file started. (S)

Creation of a troubleshooting-information file (detailed version) is beginning.

S:

Continues processing.

KFAA91409-I

Creation of a detail-version troubleshooting information file is complete. (S)

Creation of a troubleshooting-information file (detailed version) has finished.

S:

Continues processing.

KFAA91410-I

Creation of a root-version troubleshooting information file started. (S)

Creation of a troubleshooting-information file (root version) will now start.

S:

Continues processing.

KFAA91411-I

Creation of a root-version troubleshooting information file is complete. (S)

Creation of a troubleshooting-information file (root version) has finished.

S:

Continues processing.

KFAA91412-E

The troubleshooting information could not be obtained because root privileges could not be obtained. (E)

The troubleshooting information could not be obtained because root privileges could not be obtained.

S:

Terminates processing.

Action:

Eliminate the cause of the error, and then re-execute the command.

KFAA91413-I

Output of the troubleshooting information specified for the -g option started. (S)

Output of troubleshooting information specified by the -g option will start.

S:

Continues processing.

After this message is output and until the KFAA91414-I message is output, the system pauses HADB server operation to output troubleshooting information.

KFAA91414-I

Output of the troubleshooting information specified for the -g option is complete. (S)

Output of troubleshooting information specified by the -g option has finished.

S:

Continues processing.

After the KFAA91413-I message is output and until this message is output, the system pauses HADB server operation to output troubleshooting information.

KFAA91415-W

The adbinfoget command with the -g option specified does not need to be executed because the HADB system is not running. (E)

Because the HADB server is not running, there is no need to specify the -g option when the adbinfoget command is executed.

S:

Terminates processing.

KFAA91450-I

Usage: adbinfosweep (S)

Indicates the specification format of the adbinfosweep command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA91451-I

adbinfosweep processing started. (S)

Processing of the adbinfosweep command is starting.

S:

Continues processing.

KFAA91452-I

adbinfosweep processing ended. (return code = aa....aa) (S)

Processing of the adbinfosweep command is terminating.

aa....aa:

Return code

S:

Terminates processing.

Action:

If the return code was not 0, eliminate the cause of the error as indicated for the message that was output immediately prior to this message.

KFAA91453-E

The adbinfosweep command cannot be executed because the HADB system is running. (E)

The adbinfosweep command cannot be executed while the HADB server is running.

S:

Terminates processing.

Action:

After the HADB server has terminated, execute the adbinfosweep command.

KFAA91500-I

Usage: adbchgsrvmode {--normal | --quiescence | --offline | --maintenance} (M+S)

Indicates the specification format of the adbchgsrvmode command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA91501-E

An error occurred during the HADB server operation mode change processing. (information = *aaaaaa*) (E+M)

An error occurred while the HADB server operation mode was being changed.

aaaaaa:

Message ID

S:

Terminates processing.

Action:

Check the error message about the mode change processing that was output to the message log file (the message corresponding to the message ID displayed as information), eliminate the cause of the error, and then perform the processing again.

If the server process was killed before the HADB server mode change processing was completed, 00000 might be displayed as information.

KFAA91502-I

The HADB server operation mode was changed to "aa....aa". (S+L+M)

The HADB server operation mode was changed to *aa....aa*.

aa....aa: HADB server operation mode after change

- NORMAL: Normal mode
- QUIESCENCE: Quiescence mode
- OFFLINE: Offline mode
- MAINTENANCE: Maintenance mode

S:

Terminates processing.

KFAA91503-E

The HADB server operation mode cannot be changed from "aa....aa" to "bb....bb". (E+M)

The HADB server operation mode cannot be changed from *aa....aa* to *bb....bb*.

aa....aa: HADB server operation mode before change

- NORMAL: Normal mode
- QUIESCENCE: Quiescence mode
- OFFLINE: Offline mode
- MAINTENANCE: Maintenance mode

bb....bb: HADB server operation mode after change

- NORMAL: Normal mode
- QUIESCENCE: Quiescence mode
- OFFLINE: Offline mode
- MAINTENANCE: Maintenance mode

S:

Terminates processing.

Action:

- If *aa....aa* is OFFLINE or MAINTENANCE, and *bb....bb* is QUIESCENCE
The HADB server operation mode cannot be changed from offline or maintenance to quiescence. First change the HADB server operation mode to normal, and then change it to quiescence.
- If *aa....aa* is QUIESCENCE or MAINTENANCE, and *bb....bb* is OFFLINE
The HADB server operation mode cannot be changed from quiescence or maintenance to offline. First change the HADB server operation mode to normal, and then change it to offline.
- If *aa....aa* is QUIESCENCE or OFFLINE, and *bb....bb* is MAINTENANCE
The HADB server operation mode cannot be changed from quiescence or offline to maintenance. First change the HADB server operation mode to normal, and then change it to maintenance.

KFAA91504-W

The `adbchgsrvmode` command does not need to be executed because the HADB server operation mode is already "*aa....aa*". (E+M)

The `adbchgsrvmode` command does not need to be executed because the HADB server operation mode is already *aa....aa*.

aa....aa: HADB server operation mode to be changed

- NORMAL: Normal mode
- QUIESCENCE: Quiescence mode
- OFFLINE: Offline mode
- MAINTENANCE: Maintenance mode

S:

Terminates processing.

KFAA91550-I

Usage: *aa....aa* {-s <server-directory-path> | -c <client-directory-path>} (S)

Indicates the specification format of the `adbinstall` command. This message is displayed when command help is requested or when the command format is invalid.

aa....aa:

Command name

S:

Terminates processing.

KFAA91551-I

aa....aa processing started. (S)

The `adbinstall` command processing has started.

aa....aa:

Command name

S:

Continues processing.

KFAA91552-I

aa....aa processing ended. (return code = *b*) (S)

The `adbinstall` command processing has finished.

aa....aa:

Command name

b: Return code

- 0: Normal termination
- 4: Warning termination
- 8: Abnormal termination

S:

Continues processing.

Action:

If the return code is 8, eliminate the cause of the error as indicated for the message that was output immediately prior to this message, and then re-execute the command.

If the return code is 4, command processing terminated, but a warning was issued in an extension of command processing. Check the warning message that was output prior to this message.

KFAA91553-E

An error occurred while the HADB server or a client was being installed. (reason = *aa....aa*) (E)

An error occurred while the HADB server or client was being installed.

aa....aa:

Cause of the error

S:

Terminates processing.

Action:

Take corrective action depending on the cause of the error that was output.

Display for <i>aa....aa</i>	Cause of the error	Corrective action to take
permission to write to the server directory was denied	An attempt to write to the server directory failed.	Make sure that the following directories have sufficient free space. Also make sure that the HADB administrator has write permission for the following directories. <ul style="list-style-type: none">• Server directory• Directory that stores installation data (this directory stores the <code>adbinstall</code> command and installation data (<code>.tar.gz</code> file)) If the amount of free space for the directories is insufficient, allocate free space. If the write permission for the directories is not granted, grant the write permission to the HADB administrator. Then, re-execute the command.
permission to write to the client directory was denied	An attempt to write to the client directory failed.	For details about granting the write permission, see <i>Installation procedure</i> in the <i>HADB Setup and Operation Guide</i> .
permission to write to the install directory was denied	An attempt to write to the directory used for installation failed.	
a file has the same name as the specified directory or subdirectory	Another file has the same name as the specified directory name.	An existing file has the same name as the directory or subdirectory name specified by the <code>-s</code> or <code>-c</code> option of the <code>adbinstall</code> command. Delete that existing file, and then re-execute the command.

KFAA91554-Q

The directory specified in the *aa* option already exists. Do you want to overwrite it? (y/N) (S)

The directory specified in the *aa* option in the command already exists. Specify whether you want to overwrite it.

aa:

Name of the command option

S:

Continues processing.

Action:

If you want to overwrite the directory, enter `y` or `Y`; otherwise, enter `n` or `N`.

KFAA91555-I

The user stopped the directory from being overwritten. Command execution was terminated. (S)

The directory overwrite processing was canceled, as requested by the user. The command execution is terminated.

S:

Terminates processing.

KFAA91556-I

The directory was overwritten. (S)

The directory overwrite processing was executed.

S:

Continues processing.

KFAA91557-I

HADB was installed successfully. (S)

The HADB server or the HADB client has been installed successfully.

S:

Continues processing.

KFAA91558-W

The *aa....aa* command is being executed by a root. (E)

The *aa....aa* command is being executed by a root.

aa....aa:

Command name

S:

Continues processing.

Action:

The message appears if the *aa....aa* command is executed by a root.

Follow the instructions indicated in the KFAA91559-Q message that is output after this message.

KFAA91559-Q

Do you want to continue execution of this command? (y/N) (S)

Do you want to continue execution of this command?

S:

Continues processing.

Action:

You attempt to execute the `adbinstall/` command as a root. Enter `n` or `N` in response. Then, re-execute the `adbinstall` command as the HADB administrator.

Enter `y` or `Y` only if the root is the same as the HADB administrator.

KFAA91560-I

A user stopped command processing. Execution of the command will now terminate. (S)

Processing is stopped at the request of the user. Execution of the command will now terminate.

S:

Terminates processing.

KFAA91561-I

A user requested command execution. Execution of the command will now continue. (S)

Execution of the command continues at the request of the user.

S:

Continues processing.

KFAA91601-E

An error occurred while processing a node type change on the HADB server. (information = *aaaaaa*) (E+M)

An error occurred during processing to change the node type of the HADB server.

aaaaaa:

Message ID

S:

Terminates processing.

Action:

Eliminate the cause of the error based on the error message for node-type change processing that was output to the message log file (the message for the message ID output for `information`), and then retry the operation.

If a server process was killed before processing to change the node type of the HADB server finished, `00000` might be output for `information`. In that case, begin execution from HADB server startup.

KFAA91602-I

The HADB server node type was changed to "aa....aa". (S+L+M)

The node type of the HADB server changed to *aa....aa*.

aa....aa: Node type after change

- MASTER: Master node

S:

Terminates processing.

KFAA91603-E

The node type could not be changed from "aa....aa" to "bb....bb". (E+M)

The HADB server node type cannot be changed from *aa....aa* to *bb....bb*.

aa....aa: Current node type

- MASTER: Master node
- SLAVE: Slave node
- SINGLE: System that is not using the multi-node function

bb....bb: Changed node type

- MASTER: Master node
- SLAVE: Slave node

S:

Terminates processing.

Action:

- To use the multi-node function when the current node type is SINGLE

Terminate the relevant HADB server first. Next, refer to *Migrating to a system that uses the multi-node function* in the *HADB Setup and Operation Guide* and switch the relevant HADB server to a system that uses the multi-node function.

- If the current node type is SLAVE and the changed node type is MASTER

This version of HADB server does not support node type changes while the HADB server in a multi-node configuration is active.

KFAA91605-W

The `adbchgnodetype` command does not need to be executed because the HADB node type is already "aa....aa". (E+M)

The node type of the HADB server is already *aa....aa*, so there is no need to execute the `adbchgnodetype` command.

aa....aa: Type of node that the `adbchgnodetype` command attempted to change

- **MASTER**: Master node
- **SLAVE**: Slave node

S:

Terminates processing.

KFAA91650-I

Usage: `adbmonitor [-n] [-r] (M+S)`

Indicates the specification format for the `adbmonitor` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA91651-E

This command cannot be executed because `adbmonitor` has already started. (E+M)

The `adbmonitor` command cannot be executed because it is already running.

S:

Terminates processing.

Action:

Check the following to determine if your operation is set up to execute multiple instances of the `adbmonitor` command.

- Is the `adbmonitor` command executed multiple times in the shell used for system operations or in the HA Monitor shell?
- Does your setup attempt to execute the `adbmonitor` command in an environment in which it is already running?

KFAA91700-I

Usage: `adbchgsqltrc { -d | -e | -s [-y <trace-info>] [-n <trace-info>] [-l <trace-level>] | -y <trace-info> [-n <trace-info>] [-l <trace-level>] | -n <trace-info> [-y <trace-info>] [-l <trace-level>] | -l <trace-level> [-y <trace-info>] [-n <trace-info>] } (M+S)`

Indicates the specification format of the `adbchgsqltrc` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA91701-I

aa....aa was changed to *bb....bb*. (S+L+M)

aa....aa was changed to *bb....bb*.

aa....aa: Information that was changed

- The SQL trace: SQL trace information
- The output of the access path in the SQL trace: Access path information and access path statistical information
- The output of the parameters in the SQL trace: Dynamic parameter information
- The SQL trace level: Output level of SQL trace information

bb....bb: Output status or output level after change

- ACTIVE: Output
- INACTIVE: Not output
- CALL: Output for each call
- SQL: Output for each SQL statement

S:

Terminates processing.

KFAA91702-E

The `adbchgsqltrc` command is already executing. (E+M)

The `adbchgsqltrc` is being executed.

S:

Terminates processing.

Action:

Multiple `adbchgsqltrc` commands cannot be executed at the same time. Wait for the currently running `adbchgsqltrc` command to terminate, and then re-execute the `adbchgsqltrc` command.

KFAA91703-E

An error occurred during processing to change the SQL trace status. (information = *aa....aa*) (E+M)

An error occurred during processing to change the output status of SQL trace information.

aa....aa:

Message ID

S:

Terminates processing.

Action:

See the error message output to the message log file (the message corresponding to the message ID indicated for information), and eliminate the cause of the error. Then, re-execute the command.

Note that if the server process terminated during command processing due to one of the following causes, *aa....aa* indicates "00000".

▪ Cause of abnormal termination of the server process

- The HADB server terminated by the adbstop command.
- The HADB server terminated abnormally.

KFAA91704-E

The adbchgsqltrc command option arguments are invalid. (reason = *aa....aa*, value = *bb....bb*) (E+M)

Processing is canceled because an option argument of the adbchgsqltrc command is invalid.

aa....aa: Cause of the error

- The trace information of the -y option argument is invalid: Invalid trace information is specified for the -y option.
- The trace information of the -n option argument is invalid: Invalid trace information is specified for the -n option.
- The same trace information is specified in the -y option and the -n option: The same trace information is specified for the -y option and the -n option.
- The trace level of the -l option argument is invalid: An invalid trace level is specified for the -l option.

bb....bb:

Invalid specified value

S:

Terminates processing.

Action:

Correct the specified option argument, and then re-execute the command.

KFAA91750-I

Usage: adbsystoru -s <server-directory> -l <adblang> -o <output-directory> (M+S)

This message indicates how to use the adbsystoru command.

This message is output if the contents of the IT Report Utility collection pattern definition file (! 8A9_HADB) are invalid.

S:

Terminates processing.

Action:

Make sure that the server directory path and the character encoding for use with the HADB server are specified correctly in the !8A9_HADB file.

KFAA91800-I

Usage: adbclientdefmang -u <user-name> [-p <password>] {--update | [-i <authorization-identifier-to-be-output>]} (M+S)

Indicates the specification format of the `adbclientdefmang` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA91801-I

The client-managing information was successfully updated. (S+L+M)

The client-managing definition information was successfully updated.

S:

Terminates processing.

KFAA91802-E

The `adbclientdefmang` command is already being executed. (E+M)

The `adbclientdefmang` is being executed.

S:

Terminates processing.

Action:

Multiple `adbclientdefmang` commands cannot be executed at the same time. Wait for the running `adbclientdefmang` command to terminate, and then execute the `adbclientdefmang` command.

KFAA91803-E

An error occurred during the execution of the `adbclientdefmang` command. (information = aa....aa) (E+M)

An error occurred during the execution of the `adbclientdefmang` command.

aa....aa:

Message ID

S:

Terminates processing.

Action:

See the error message output to the message log file (the message corresponding to the message ID indicated by *aa....aa*), and then eliminate the cause of the error. Then, execute the `adbclientdefmang` command.

KFAA91850-I

```
Usage: adbaudittrail -u <user-name> [-p <password>] {--start [--write-error {DOWN | FAILSOFT}] | --stop | --swap [-n <node-number>] | -d [-n <node-number>]} (M+S)
```

Indicates the specification format of the `adbaudittrail` command. This message is displayed when command help is requested or if the command format is invalid.

S:

Terminates processing.

KFAA91851-I

```
The audit trail facility was successfully aa....aa. (S+L+M)
```

The audit trail facility was successfully *aa....aa*.

aa....aa:

- `started`: Enabled
- `terminated`: Disabled

S:

Terminates processing.

KFAA91852-I

```
The audit trail file was successfully swapped. (S+L+M)
```

The audit trail file was successfully swapped.

S:

Terminates processing.

KFAA91853-E

The adbaudittrail command is already being executed. (E+M)

Because the adbaudittrail command is already running, another adbaudittrail command cannot be executed.

S:

Terminates processing.

Action:

Wait for the running adbaudittrail command to terminate, and then execute another adbaudittrail command.

KFAA91854-E

An error occurred during the execution of the adbaudittrail command. (information = *aa....aa*) (E+M)

An error occurred during execution of the adbaudittrail command.

aa....aa:

Message ID

S:

Terminates processing.

Action:

See the error message output to the message log file (the message corresponding to the message ID indicated for information), and eliminate the cause of the error. Then, re-execute the command.

KFAA91855-W

The adbaudittrail command does not need to be executed, because the audit trail facility is already *aa....aa*. (E+M)

The adbaudittrail command does not need to be executed because the audit trail facility is already *aa....aa*.

aa....aa:

- ACTIVE: Enabled
- INACTIVE: Disabled

S:

Terminates processing.

KFAA91900-I

Usage: adbconvertaudittrailfile -u <user-name> [-p <password>] --common -d <output-directory> <input-data-path> (M+S)

This message shows the specification format of the command `adbconvertaudittrailfile`. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA91901-E

The command `adbconvertaudittrailfile` is already running. (E+M)

The command `adbconvertaudittrailfile` is being executed.

S:

Terminates processing.

Action:

Only one instance of the command `adbconvertaudittrailfile` can be executed at a time. Wait for the currently running instance of the command `adbconvertaudittrailfile` to terminate, and then re-execute the command `adbconvertaudittrailfile`.

KFAA91902-E

An error occurred while the command `adbconvertaudittrailfile` was running. (information = *aa....aa*) (E+M)

An error occurred during execution of the `adbconvertaudittrailfile` command.

aa....aa:

Message ID

S:

Terminates processing.

Action:

See the error message output to the message log file (the message corresponding to the message ID indicated for information), and eliminate the cause of the error. Then, re-execute the command.

KFAA92000-E

Heap memory is insufficient. (size = *aa....aa*, information = "bb...bb") (E+M)

A shortage of heap memory occurred.

aa....aa:

Size of memory whose allocation was attempted (bytes)

bb...bb:

Maintenance information

S:

Terminates processing.

Action:

1. Check for unnecessary processes. If any exist, shut them down or delete them, and then re-execute the command.
2. If there is still not enough memory after taking step 1, restart the OS, and then re-execute the command.
3. If there is still not enough memory after taking step 2, increase the kernel parameter specification value (maximum memory that can be used by a process), re-start the OS, and then re-execute the command.

KFAA92001-E

The HADB server refused a request from the adbmodbuff command. (E+M)

The HADB server refused a request from an `adbmodbuff` command because it had already received a cancel request.

S:

Terminates processing.

Action:

Re-execute the command.

KFAA92002-I

Usage: `adbmodbuff <modify-buffer-option-file-name>` (M+S)

Indicates the specification format of the `adbmodbuff` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA92003-E

An error occurred in the check of the *aa....aa* path. (reason = "bb....bb", path = "cc....cc") (E+M)

An error occurred when checking the *aa....aa* path.

aa....aa: File type

- option file: An option file

bb....bb: Cause of the error

- too long: The path name exceeds its maximum length.
- not full path: An absolute path that starts with a slash (/) was not specified.

cc....cc: Path name

If the number of characters exceeds the displayable maximum, an ellipsis (. . .) is displayed at the end.

S:

Terminates processing.

Action:

Eliminate the cause of the error, and then re-execute the command.

KFAA92004-E

An error occurred in an HADB function. (func = "aa....aa") (E+M)

An error occurred in processing *aa....aa*.

aa....aa: Process in which error occurred

- option file analysis: Analysis of an option file

S:

Terminates processing.

Action:

Check the message log, take the corrective action that is indicated for the error message that was output immediately prior to this message, and then re-try the processing.

KFAA92005-E

No operands to be used to modify the buffer are specified in the modify buffer option file. (E+M)

A required operand is not specified in the buffer-modifying option file.

S:

Terminates processing.

Action:

Specify the following operand in the buffer-modifying option file.

- adb_dbbuff_wrktbl_clt_blk_num

KFAA93001-I

Usage: adbsyndict {-m <dictionary-creation-file-path> | -d <dictionary-deletion-file-path> | -s | -n <synonym-dictionary-name> -o <synonym-list-output-file-path> | --clean} (M+S)

Indicates the specification format of the `adbsyndict` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA93002-E

The HADB server refused a request from the `adbsyndict` command. (E+M)

The HADB server refused a request from the `adbsyndict` command.

S:

Terminates processing.

Action:

Check whether the KFAA51509-I message is output to the message log file.

If the KFAA51509-I message is output, processing on the HADB server has finished normally. No action is needed.

If the KFAA51509-I message is not output, re-execute the `adbsyndict` command.

KFAA93100-I

Usage: `adbcolumnize {--start | --stop | -d}` (M+S)

Indicates the specification format of the `adbcolumnize` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA93101-I

The updated-row columnizing facility was successfully *aa....aa*. (S+L+M)

The updated-row columnizing facility was *aa....aa*.

aa....aa: Status of the updated-row columnizing facility

- `started`: Enabled
- `terminated`: Disabled

S:

Terminates processing.

KFAA93102-E

An error occurred during the execution of the `adbcolumnize` command. (information = *aa....aa*) (E+M)

An error occurred during execution of the `adbcolumnize` command.

aa....aa: Message ID

If the server process terminated during `adbcolumnize` command processing due to one of the following causes, "00000" is output.

- The HADB server terminated by executing the `adbstop` command.
- The HADB server terminated abnormally.

S:

Terminates processing.

Action:

See the error message output to the message log file (the message corresponding to the message ID indicated by *aa....aa*), and then eliminate the cause of the error. Then, execute the `adbcolumnize` command.

KFAA93103-W

The `adbcolumnize` command does not need to be executed, because the updated-row columnizing facility is already *aa....aa*. (E+M)

The `adbcolumnize` command does not need to be executed because the updated-row columnizing facility is already *aa....aa*.

aa....aa: Status of the updated-row columnizing facility

- ACTIVE: Enabled
- INACTIVE: Disabled

S:

Terminates processing.

KFAA96200-I

Usage: `adbinit -u <user-name> [-p <password>] <init-control-file-path> <DB-directory-path>` (M+S)

Indicates the specification format of the `adbinit` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96201-I

Database initialization started. (M+S)

Database initialization has started.

S:

Continues processing.

KFAA96202-I

Database initialization ended. (return code = *a*) (M+S)

Database initialization has ended with a return code of *a*.

a: Return code

- 0: Normal termination
- 4: Termination with warning
- 8: An error occurred

S:

Terminates processing.

Action:

If an error occurred, access the message output to standard error output or the message log, eliminate the cause of the error, and then re-execute initialization of the database (the `adbinit` command).

KFAA96203-E

Database initialization is canceled because an interruption was detected. (signal = *aa*) (E+M)

DB area initialization was stopped because an interrupt was detected.

aa:

Signal number

S:

Terminates processing.

Action:

Re-execute the `adbinit` command.

KFAA96204-I

The DB directory "*aa....aa*" is *bb....bb*. (S+L+M)

bb....bb is now being performed on DB directory *aa....aa*.

aa....aa:

Name of the DB directory

bb....bb: Operation on the DB directory

- *initialized*: Initialization
- *modified*: Modification

S:

Continues processing.

KFAA96205-I

The DB area "*aa....aa*" *bb....bb* processing was *cc....cc*. (M+S)

Processing *bb....bb* on DB area *aa....aa* resulted in *cc....cc*.

aa....aa:

DB area name

bb....bb: Processing on the DB area

- *add*: Adding the DB area
- *remove*: Deleting the DB area
- *expand*: Expanding the DB area

cc....cc: Processing results

- *committed*: Committed
- *rolled back*: Rolled back

S:

Terminates processing.

Action:

If *cc....cc* is *rolled back*, re-execute the command.

KFAA96206-I

The DB area "*aa....aa*" was *bb....bb*. (M+S)

Processing *bb....bb* on DB area *aa....aa* has been completed.

aa....aa:

DB area name

bb....bb: Processing on the DB area

- *added*: Adding the DB area
- *removed*: Deleting the DB area
- *expanded*: Expanding the DB area

S:

Terminates processing.

KFAA96207-I

The number of file creation threads generated is *aaaa*. (M+S)

aaaa file creation threads were generated.

aaaa:

Number of threads generated

S:

Continues processing.

KFAA96211-E

Memory is insufficient. (size = *aa....aa*, information = "bb....bb") (E+M)

A heap memory shortage occurred.

aa....aa:

Size of memory you attempted to allocate (bytes)

bb....bb:

Maintenance information

S:

Terminates processing.

Action:

Use the procedure given below to resolve the shortage of memory. Then, re-execute the command.

1. Check for any unnecessary processes. If there are any unnecessary processes, shut them down.
2. If there is not enough memory after performing step 1, restart the OS.
3. If there is not enough memory after performing step 2, change the kernel parameter setting to increase the amount of memory that processes can use. Then, restart the OS.

KFAA96212-E

A system call error occurred. (func = "aa....aa", errno = *bbb*) (E+M)

An error occurred in system call *aa....aa*.

aa....aa:

Name of system call in which the error occurred

bbb:

Error number

S:

Terminates processing.

Action:

Check in the OS documentation for the system call name and error number that are displayed, and then eliminate the cause of the error. If you cannot determine the corrective action to take based on the system call name and error number that are displayed, execute an `adbinfoget` command to collect troubleshooting information, and then contact the customer support center.

KFAA96213-E

An error occurred in the HADB function. (func = "aa....aa") (E+M)

An error occurred during database initialization processing.

aa....aa: Type of processing

- `option file analysis`: Control file analysis
- `system initialize`: System initialization
- `create system table`: Creation of a dictionary table (base table) or a system table (base table)
- `create system index`: Creation of an index for a dictionary table (base table) or a system table (base table)
- `insert system table`: Insertion of data in a dictionary table (base table) or a system tables (base table)

S:

Terminates processing.

Action:

Eliminate the cause of the error as indicated for the error message that was output prior to this message.

KFAA96216-E

Disk capacity is insufficient. (E+M)

There is not enough disk space.

S:

Terminates processing.

Action:

Take one of the actions described below, and then re-execute the command:

- Increase the disk space.
If the disk has free space equal to the initialization size, check if the upper limit of the file system or the upper limit of the disk folder has been reached.
- Reduce the initial allocation size for the file.

KFAA96217-E

A path is not a regular file or a symbolic link. (name = "aa....aa") (E+M)

The path indicated by *aa....aa* is neither a regular file path nor a symbolic link path.

aa....aa:

Path name

S:

Terminates processing.

Action:

Check and, if necessary, revise the specified DB area name and the attribute of the path that is displayed as the variable part.

KFAA96218-W

One or more block special files are not used. (name = "aa....aa") (M+S)

One or more block special files are not being used.

aa....aa:

DB area name

S:

Continues processing.

Action:

Carefully review the *-i* and *-v* options of the *adbinitdbarea* of the *adbinit* command (the *adbinitdbarea* that defines the DB area displayed in place of *aa....aa*). The number of data DB area files specified in the *-i* option differs from the number of block special files specified in the *-v* option.

KFAA96219-W

An attempt to delete the file "aa....aa" failed. (M+S)

An attempt to delete file *aa....aa* failed.

aa....aa:

DB area file name (if there is an extension, with the extension)

S:

Continues processing.

Action:

If the file displayed in place of *aa....aa* is not needed, delete it.

KFAA96220-E

The specified DB directory is root directory. (E+M)

The DB directory specified for the argument of the `adbinit` command is a root directory. The root directory cannot be used as the DB directory.

S:

Terminates processing.

Action:

Change the DB directory specified for the argument of the `adbinit` command.

KFAA96221-E

The path length normalized by a symbolic link resolution and so on is not fit into a permitted range. (path before normalization = "aa....aa", normalized path length = bb....bb, permitted range = cc....cc to dd....dd) (E+M)

The length of the path that is normalized by, for example, resolving the symbolic link is not in the allowable range.

aa....aa:

Path name before normalization

bb....bb:

Path length after normalization (bytes)

cc....cc:

Minimum path length after normalization (bytes)

dd....dd:

Maximum path length after normalization (bytes)

S:

Terminates processing.

Action:

Take action such as moving the file storage location for *aa....aa* to an upper layer so that the length of the absolute path to the *aa....aa* object is within the range from *cc....cc* to *dd....dd*. Then, re-execute the command. You can check the absolute path to the *aa....aa* object by using the OS's `realpath` command.

KFAA96222-E

The *aa....aa bb....bb* operation failed. (name = "cc....cc") (E+M)

The *bb....bb* processing on the *aa....aa* has failed.

aa....aa: Target of processing

- `file`: File
- `directory`: Directory
- `DB area`: DB area

bb....bb: Type of processing

- `create`: Creation processing

- **delete**: Deletion processing
- **open**: Open processing
- **close**: Close processing
- **write**: Write processing
- **readlink**: Symbolic link target acquisition processing
- **initialize**: Initialization processing
- **add**: DB area addition processing
- **remove**: DB area deletion processing
- **expand**: DB area expansion processing

cc....cc:

Name of operation target

S:

Terminates processing.

Action:

Eliminate the cause of the error as indicated by the corrective action for the error message output prior to this message, and then re-execute the command.

KFAA96223-E

The *aa....aa* path is invalid. (reason = "bb....bb", path = "cc....cc") (E+M)

The *aa....aa* path specified is invalid.

aa....aa: Path type

- **directory**: Directory
- **file**: File

bb....bb: Cause of the error

- **too long**: The path name specified exceeds the maximum length.
- **not directory**: The specified path is not a directory.
- **not exist**: The specified path name does not exist.
- **system call error**: An error occurred in a system call.
- **duplicate**: The path name specification was duplicated.
- **not block device**: The specified path is not a block special file.

cc....cc:

Path name

S:

Terminates processing.

Action:

Correct the specification of the *aa....aa* path. Then, re-execute the command.

If *bb....bb* is duplicate, the same path has been specified for both of the files in one of the following file pairs:

- Block special files
- DB directory or data DB area file storage directory and a server directory
- Initialization option file or DB area addition and modification option file, and a DB area file
- Data DB area file storage location and a directory under the DB directory
- Directory (other than a regular file or a symbolic link) and a data DB area file

For details about the directories under the DB directory, see *Directories that are created under adbinit (Initialize the Database)* in the manual *HADB Command Reference*.

KFAA96224-E

The *aa....aa* option *bb....bb* value is invalid. (name = "cc....cc") (E+M)

The value specified for *bb....bb* is invalid in *aa....aa*.

If *bb....bb* is an operand in the command format, the number of operands specified exceeds the upper limit.

aa....aa: Location of error

- command: Command argument
- set: set format operand
- Other: Operand in the command format

bb....bb: Invalid specification

- DB directory: DB directory name
- control file: Initialization option file name or DB area addition and modification option file name
- Other: Name of operand or option

cc....cc:

DB area name (An asterisk (*) is displayed if this is not an option of an operand in the command format)

S:

Terminates processing.

Action:

Correct the specified initialization option file or DB area addition and modification option file, and then re-execute the command.

KFAA96225-E

The *aa....aa* operand cannot be specified more than *bb....bb*. (E+M)

More than *bb....bb aa....aa* operands cannot be specified.

aa....aa: Name of the operand that exceeded the maximum number of specifications

- adbinitdbarea: adbinitdbarea operand of the initialization option of the adbinit command

- `adbaddarea`: `adbaddarea` operand of the DB area addition and modification option of the `adbmodarea` command
- `adbexpandarea`: `adbexpandarea` operand of the DB area addition and modification option of the `adbmodarea` command
- `adbrmarea`: `adbrmarea` operand of the DB area addition and modification option of the `adbmodarea` command

bb....bb:

Maximum number of *aa....aa* operands that can be specified + 1

S:

Terminates processing.

Action:

Change the number of specified *aa....aa* operands to be fewer than *bb....bb*. Then, re-execute the command.

KFAA96226-E

Another processing now using a database for the DB directory. (E+M)

Another process is using the DB directory specified in the `adbinit` command.

S:

Terminates processing.

Action:

Check the DB directory specified by the `adbinit` command. If there is no error in the specified DB directory, carefully review the setup and specifications to make sure that there are no problems that will prevent initialization of that DB directory. If there are no problems, re-execute the `adbinit` command after the process that is using that DB directory terminates.

KFAA96227-E

The number of *aaaa bb....bb* exceeds *cccc*. (E+M)

The number of data DB areas or data DB area files exceeds the maximum value.

aaaa: Type of DB area

- `data`: Data DB area

bb....bb: Resource type

- `DB areas`: DB area
- `DB area files`: DB area file

cccc:

Maximum number of data DB areas or data DB area files

S:

Terminates processing.

Action:

- If this message was issued while the `adbinit` command was executing, reduce the number of data DB areas defined.
- If this message was issued while the `adbmodarea` command was executing (addition of DB areas), delete unneeded DB areas, and then add new DB areas. For details about the corrective action to take, see *Steps to take when a data DB area can no longer be added* in the *HADB Setup and Operation Guide*.
- If this message was issued while the `adbmodarea` command was executing (expansion of DB areas), the number of DB area files exceeded the maximum value due to addition of DB area files. For details about the corrective action to take, see *Steps to take when a data DB area can no longer be expanded* in the *HADB Setup and Operation Guide*.

For details about the maximum numbers of data DB areas and data DB area files, see *Maximum and minimum values related to system configuration* in the *HADB Setup and Operation Guide*.

KFAA96228-E

The size of *aa....aa* exceeds *bb....bb* kilobytes. (required = *cc....cc* KB, max data page = *dd....dd* KB) (E+M)

The initial allocation size of the DB area file exceeded the upper limit.

aa....aa: Type that exceeded the initially allocated size

file: DB area file

bb....bb:

Upper limit of the file size (KB)

cc....cc:

Requested file size (KB)

dd....dd:

Maximum capacity of a segment (KB)

S:

Terminates processing.

Action:

Change the initial allocation size for DB area files to *bb....bb* or less, and then re-execute the command.

KFAA96229-E

An error occurred while initializing the DB area buffer pool. (E+M)

An attempt to initialize the global buffer has failed.

S:

Terminates processing.

Action:

Eliminate the cause of the error as indicated for the error message output prior to this message, and then re-execute the processing.

KFAA96230-E

An error was detected in the HADB system. (SQL code = *aa....aa*) (E+M)

An error occurred in SQLCODE *aa....aa*. If SQL error messaging has been set up, an SQL error message is output after this message.

aa....aa:

SQLCODE

S:

Terminates processing.

Action:

Access the message of the corresponding SQLCODE, eliminate the cause of the error, and then re-execute the processing.

KFAA96231-E

The *aa....aa* name is duplicated. (name = "bb....bb") (E+M)

The specification of *aa....aa* specified in the initialization option `adbinitdbarea` of the `adbinit` command has been duplicated.

aa....aa: Type of name that is duplicated

DB area: DB area

bb....bb:

Name that is duplicated

S:

Terminates processing.

Action:

Correct the specification of the *bb....bb* of `adbinitdbarea`.

KFAA96232-I

Writing of segments to file "*aa....aa*" was requested. (total segments whose write requests are complete/total write-scheduled segments = *bb....bb/cc....cc*) (M+S)

This message reports progress in creating the data DB area file. *bb....bb* writes have been requested among the *cc....cc* initially allocated segments of data DB area file *aa....aa*.

aa....aa:

Name of the data DB area file (if there is an extension, with the extension)

bb....bb:

Cumulative total number of segments for which writes have already been requested for the data DB area file

cc....cc:

Number of initially allocated segments of the data DB area file

S:

Continues processing.

KFAA96233-I

Initialization of file "aa....aa" is complete. (size = bb....bb KB, information = cc....cc) (M+S)

Initialization of data DB area file *aa....aa* has been completed.

aa....aa:

Name of the data DB area file (if there is an extension, with the extension)

bb....bb:

Size of the initialized area (KB)

cc....cc:

Maintenance information

S:

Continues processing.

KFAA96234-E

The mounted block device "aa....aa" is specified. (E+M)

A mounted block special file *aa....aa* was specified.

aa....aa:

Specified block special file

S:

Terminates processing.

Action:

Check if the data in this block special file is to be deleted. If the data is to be deleted, unmount the file, and then re-execute the command.

If this message is output while the specified block special file is not mounted, the block special file might have been registered to /etc/mtab by mistake. If this is the case, restore the contents of /etc/mtab using one of the following methods:

- Use the umount command to delete an invalid registration.
- Change the settings for /etc/fstab, if necessary, and then restart the OS.

KFAA96235-E

The block device "*aa....aa*" is allocated to the existing DB area file "*bb....bb*". (E+M)

DB area file *bb....bb* has already been created in the specified block special file *aa....aa*.

aa....aa:

Block special file name

bb....bb:

Name of the existing DB area file (if there is an extension, with the extension)

S:

Terminates processing.

Action:

A DB area file to be added must be allocated to an unused block special file. Take one of the following actions:

- Change the block special file *aa....aa* specified in the *-v* option (specify an unused block special file).
- If the DB area created in block special file *aa....aa* is not needed, delete that DB area.

KFAA96236-E

The adbmodarea command cannot connect to the HADB server because it is connected to an application. (E+M)

The adbmodarea command cannot be executed because an application program or a command is connected to the HADB server.

S:

Terminates processing.

Action:

Wait until the application program or command disconnects from the HADB server, and then re-execute the adbmodarea command.

KFAA96237-E

The DB area "*aa....aa*" cannot be *bb....bb*. (reason = "*cc....cc*") (E+M)

Processing *bb....bb* cannot be performed on DB area *aa....aa*.

aa....aa:

DB area name

bb....bb: Processing on the DB area

- *added*: Adding the DB area
- *removed*: Deleting the DB area
- *expanded*: Expanding the DB area

cc....cc: Reason why the processing cannot be performed

- exist: Specified DB area name *aa....aa* already exists.
- not exist: Specified DB area name *aa....aa* does not exist.
- unsupported: An attempt was made to perform unsupported processing on DB area *aa....aa*.
- unique: An attempt was made to delete the last data DB area.
- resource defined: An attempt was made to delete a DB area in which tables or indexes are stored.
- file mixed: The DB area cannot be expanded because the DB area file contains both regular files and block special files.

S:

Terminates processing.

Action:

Check the DB area to be processed, and then re-execute the `adbmodarea` command.

For details about how to check the tables and indexes stored in DB areas, see *Searching a dictionary table* in *HADB Setup and Operation Guide*.

KFAA96238-E

The operand that cannot be specified at the same time as "*aa....aa*" is specified. (E+M)

The operand specified in the DB area addition and modification option of the `adbmodarea` command cannot be specified together with *aa....aa*.

aa....aa:

Name of the operand of the DB area addition and modification option

S:

Terminates processing.

Action:

Correct the operand specified in the DB area addition and modification option, and then re-execute the `adbmodarea` command.

KFAA96239-E

The command format operand is not specified in the modify control file. (E+M)

A command-format operand is missing in the DB area addition and modification option in the `adbmodarea` command.

S:

Terminates processing.

Action:

Specify a command-format operand, and then re-execute the `adbmodarea` command.

KFAA96240-E

The symbolic link "*aa....aa*" is invalid. (reason = "*bb....bb*") (E+M)

A symbolic link is invalid.

aa....aa:

DB area file name (if there is an extension, with the extension)

bb....bb: Cause of the error

- *too long*: The path name of the target link exceeds 255 bytes.
- *mounted*: A block special file for the target link is mounted.
- *duplicate*: There is a symbolic link whose target link is duplicated.

S:

Terminates processing.

Action:

A symbolic link might have been modified erroneously. Either correct the symbolic link or restore the symbolic link file from its backup.

KFAA96241-E

The HADB server refused the request from the adbmodarea command. (E+M)

The HADB server refused an execution request from the adbmodarea command.

S:

Terminates processing.

Action:

Re-execute the adbmodarea command.

If the HADB server is in quiescence mode, release the quiescence mode, and then re-execute the adbmodarea command.

KFAA96242-E

You must initialize all DB areas because a DB area that is not allocated to a block special file exists. (E+M)

There is a DB area to which no block special file has been allocated, so you must initialize all DB areas.

S:

Terminates processing.

Action:

Execute the adbinit command. The initialization option is set differently depending on whether DB areas will be initialized.

- If not initializing the DB areas

Specify all the initialization options that specify block special files (except for `adb_init_wrk_blk_path`).

- If initializing the DB areas

Change the value specified in the initialization option `adb_init_dbarea_initialize`.

KFAA96243-I

The option `-q` for the operand *aa....aa* specified for the DB area *bb....bb* will be ignored because this DB area is composed of regular files. (M+S)

The DB area *bb....bb* is composed of regular files. Therefore, the `-q` option for the *aa....aa* operand specified for this DB area is ignored.

aa....aa: Either of the following operand names

- Operand name specified for the initialization option of the `adbinit` command
- Operand name specified for the DB area addition and modification option of the `adbmodarea` command

bb....bb:

DB area name specified for the `-n` option for *aa....aa*

S:

Continues processing.

KFAA96244-W

In the DB area file "*aa....aa*"(*bb....bb*), any disk space in excess of *cc....cc* KB is not used. (unused space = *dd....dd* KB) (E+M)

In the DB area file *aa....aa* (*bb....bb*), disk space exceeding *cc....cc* KB is not used.

aa....aa:

DB area file name (if there is an extension, with the extension)

bb....bb:

Name of the block special file to be allocated to *aa....aa*

cc....cc:

Size of available disk space (KB)

dd....dd:

Size of disk space that cannot be used (KB)

S:

Continues processing.

Action:

- **If you do not need to use space beyond *cc....cc* KB**

No action is required.

- **If you want to use space beyond *cc....cc* KB**

Take the following corrective actions:

1. Execute the `adbmodarea` command to delete the DB area in the DB area file displayed by `aa....aa`.
2. Add 2 GB or a greater value to `cc....cc` KB (or add `dd....dd` KB if the value of `dd....dd` is less than 2 GB).
3. Execute the `adbmodarea` command to add the DB area again you deleted in step 1. At this time, specify the value obtained in step 2 for the initial allocation size.

However, you cannot use the above procedure if all the following conditions are met:

- This message is output during expansion of the DB area.
- Necessary data is stored in the DB area to be expanded.

In this case, use the following procedure:

1. Execute the `adbexport` command to export data from the DB area.
2. Delete the expanded DB area by using the `adbmodarea` command.
3. Add the DB area again by using the `adbmodarea` command, and then re-allocate the necessary size.
4. Execute the `adbimport` command to import the data you exported in step 1.



Important

To allocate small-capacity and large-capacity block special files to a single DB area, you need to specify a different initial allocation size for each block special file, and then initialize the block special files. For details about the initialization procedure, see the description of the `-i` option of the `adbaddarea` operand in *Format of DB area addition and modification options* in the manual *HADB Command Reference*.

KFAA96245-I

The HADB system will use up to `bb....bb` KB of disk space in the block special file "aa....aa". (unused space = `cc....cc` KB) (M+S)

The HADB server uses a maximum of approximately `bb....bb` KB of disk space in the block special file `aa....aa`.

aa....aa:

Block special file name

bb....bb:

Approximate size of space that the HADB server uses (KB)

cc....cc:

Approximate size of space that the HADB server does not use (KB)

S:

Continues processing.

KFAA96246-Q

Block special files for which only part of the disk space might be used are included in the list of block special files to be newly allocated. Are you sure you want to continue processing ? (y/N) (M+S)

The list of block special files to be newly allocated includes block special files for which only part of the disk space might be used. Are you sure you want to continue processing?

S:

Continues or stops processing according to the response.

If processing is stopped, the return code of the command is 0 unless a warning message has been output.

Action:

See the KFAA96245-I message to check the size of space that might not be used. If processing can continue without causing any problem, specify **y** or **Y**. If there is a problem, specify **n** or **N**.

If you stop processing, revise the initial allocation size and the size of the block special file, and then execute the **adbmodarea** command.

KFAA96300-I

Usage: **adbmodarea <modify-control-file-path>** (M+S)

This message indicates the specification format of the **adbmodarea** command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96400-I

Usage: **adbsql {[-u <user-name> [-p <password>]] [-V] [-d] | -u <user-name> -p <password> -s [-b] [-d]}** (M+S)

This message indicates the specification format of the **adbsql** command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96401-I

The SQL execution command started. (M)

Processing of the **adbsql** command is starting.

S:

Continues processing.

KFAA96402-I

The SQL execution command ended. (M)

Processing of the `adbsql` command is terminating.

S:

Continues processing.

KFAA96403-I

SQL processing completed. (S)

SQL processing has finished.

S:

Continues processing.

KFAA96404-I

aa....aa rows were *bb....bb*. (S)

Indicates the number of rows subject to processing of the executed SQL statement.

aa....aa: Number of rows that were the target of processing

If the number of rows to be processed has overflowed, *** is displayed.

bb....bb: SQL processing

- `deleted`: Deletion of a row
- `inserted`: Insertion of a row
- `selected`: Selection of a row
- `updated`: Updating of a row

S:

Continues processing.

KFAA96405-I

The B-tree index "*aa....aa*" will be used. (table name="*bb....bb*".*cc....cc*" as "*dd....dd*") (M+S)

The B-tree index *aa....aa* of table *bb....bb.cc....cc* (correlation name *dd....dd*) will be used. If no correlation name has been specified, *** will be displayed for *dd....dd*.

aa....aa:

Index identifier

bb....bb:

Schema name

cc....cc:

Table identifier

dd....dd: Correlation name

If no correlation name has been specified, *** is displayed.

S:

Continues processing.

KFAA96406-I

Executing this SQL will create *aa....aa* work tables. (M+S)

Executing this SQL statement will create *aa....aa* work tables.

aa....aa:

Number of work tables created

S:

Continues processing.

KFAA96407-I

The table "aa....aa"."bb....bb" as "cc....cc" does not use an index. (M+S)

The index of table *aa....aa.bb....bb* (correlation name *cc....cc*) will not be used. If no correlation name has been specified, *** will be displayed for *cc....cc*.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc:

Correlation name

S:

Continues processing.

KFAA96408-I

The range index "aa....aa" will be used. (table name="bb....bb"."cc....cc" as "dd....dd") (M+S)

The range index *aa....aa* of table *bb....bb.cc....cc* (correlation name *dd....dd*) will be used.

aa....aa:

Index identifier

bb....bb:

Schema name

cc....cc:

Table identifier

dd....dd: Correlation name

If no correlation name has been specified, *** is displayed.

S:

Continues processing.

KFAA96409-I

The B-tree index "aa....aa" will be used by the index specification. (table name="bb....bb"."cc....cc" as "dd....dd")
(M+S)

The B-tree index *aa....aa* will be used for retrieving the table *bb....bb.cc....cc* (correlation name *dd....dd*) based on the index specification.

aa....aa:

Index identifier

bb....bb:

Schema name

cc....cc:

Table identifier

dd....dd: Correlation name

If no correlation name has been specified, *** is displayed.

S:

Continues processing.

KFAA96410-I

The table "aa....aa"."bb....bb" as "cc....cc" does not use the B-tree index and text index by the index specification. (M+S)

A B-tree index or text index will not be used for retrieving table *aa....aa. bb....bb* (correlation name *cc....cc*) based on the index specification.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc: Correlation name

If no correlation name has been specified, *** is displayed.

S:

Continues processing.

KFAA96411-I

The index specification is disabled. (table name = "aa....aa"."bb....bb" as "cc....cc") (M+S)

The index specification for the table *aa....aa.bb....bb* (correlation name *cc....cc*) was ignored.

If a nonexistent index name or an invalid index name was specified in the index specification, that index specification is ignored. Check the index name specified in the index specification.

The following is a possible reason why the index specified in the index specification cannot be used:

- If the specified index is a B-tree index

A B-tree index with null-value exclusion specification was specified and the index search range contains a null value.

- If the specified index is a text index

The index specified by the index specification cannot be used when HADB cannot use the text index efficiently because, for example, the LIKE predicate that can be evaluated by the text index is not specified.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc: Correlation name

If no correlation name has been specified, *** is displayed.

S:

Continues processing.

KFAA96412-I

The access path was output. (S)

The access path has been output.

S:

Continues processing.

KFAA96413-I

The text index "aa....aa" will be used. (table name="bb....bb"."cc....cc" as "dd....dd") (M+S)

The text index *aa....aa* of the table *bb....bb.cc....cc* (correlation name *dd....dd*) will be used.

aa....aa:

Index identifier

bb....bb:

Schema name

cc....cc:

Table identifier

dd....dd: Correlation name

If no correlation name has been specified, *** is displayed.

S:

Continues processing.

KFAA96414-I

The text index "aa....aa" will be used by the index specification. (table name="bb....bb"."cc....cc" as "dd....dd") (M+S)

The text index *aa....aa* will be used for search of the table *bb....bb.cc....cc* (correlation name *dd....dd*) according to the index specification.

aa....aa:

Index identifier

bb....bb:

Schema name

cc....cc:

Table identifier

dd....dd: Correlation name

If no correlation name has been specified, *** is displayed.

S:

Continues processing.

KFAA96415-I

SQL processing time (*aa....aa*) : *bb....bb* sec. (S)

The time required for executing the SQL statement is output.

aa....aa: Performed processing

- Fetch: Fetching rows

- **Execute:** Executing the SQL statement

bb....bb: Time required for executing the SQL statement (seconds)

This value is displayed in the following format.

<i>ssssssssssss.pppppp</i>

- *ssssssssssss*: Number of seconds. The valid number of digits is output and left aligned.
- *pppppp*: Fractional seconds

S:

Continues processing.

KFAA96416-I

A character string displaying a null value was changed. (null value character = <i>aa....aa</i>) (S)

A character string that is displayed if the search result is a null value (the character string displaying a null value) is changed.

aa....aa: Information that is changed by #SET NULL of the adbsql subcommand

- If neither REPEAT nor DELETE is specified, the specified '*character-string-displaying-a-null-value*' is displayed.
- If REPEAT is specified, (REP) '*character-displaying-a-null-value*' is displayed.
- If DELETE is specified, the default value of the character string displaying a null value is displayed.

S:

Continues processing.

KFAA96417-W

A warning occurred. (M+S)

A warning occurred.

S:

Continues processing.

Action:

See the message output to the client message log file, and then take the corrective action.

KFAA96451-E

The command options are invalid. command name = adbsql, reason code = <i>aa</i> (S)

The command specification format is invalid. A message that explains the command specification format is output after this message.

aa: Cause of the error

- 01: A required option argument was not specified.
- 02: The specified value of an option argument is invalid.
- 03: An invalid option was specified.
- 04: The number of option arguments is invalid.

S:

Terminates processing.

Action:

Re-execute the command using the correct specification format.

KFAA96452-E

aa....aa is invalid. (S)

aa....aa is invalid for the `adbsql` subcommand whose execution with the `adbsql` command was attempted.

aa....aa: Invalid item

- `input data`: Description of the input data
- `parameter`: Argument of the `adbsql` subcommand
- `token`: Invalid token
- `timestamp string literal`: The time stamp literal
- `time string literal`: The time literal
- `date string literal`: The date literal

Items other than the above might also be output.

S:

Ignores the specification of this `adbsql` subcommand.

Action:

Correct the invalid item or the specification of the `adbsql` subcommand, and then retry the operation.

KFAA96453-E

The `adbsql` command is incomplete. (S)

The `adbsql` subcommand whose execution with the `adbsql` command was attempted terminated before completing execution.

S:

Ignores the specification of this `adbsql` subcommand.

Action:

Correct the specification of the `adbsql` subcommand, and then retry the operation.

KFAA96454-E

The length of the *aa....aa* literal exceeded 64,000 bytes. (S)

A literal that exceeds the upper limit value was specified in the SQL statement whose execution with the `adbsql` command was attempted.

aa....aa: Type of literal

- character string: Character string literal
- hexadecimal-format binary: Binary literal in hexadecimal format

S:

Ignores the specification of this SQL statement.

Action:

Correct the SQL specification, and then retry the operation.

KFAA96455-E

The SQL statement cannot be executed. (S)

SQL statements other than SELECT statements cannot be executed.

S:

Ignores this SQL statement.

Action:

Correct the SQL statement, and then retry the operation.

KFAA96457-E

Memory is insufficient. (size = *aa....aa*) (M+S)

There is not sufficient memory to process the SQL statement or `adbsql` subcommand whose execution with the `adbsql` command was attempted.

aa....aa:

Size of memory you attempted to allocate (bytes)

S:

Terminates processing.

Action:

Check memory usage in the OS as a whole. Wait a moment, and then re-execute the SQL statement or `adbsql` subcommand.

If you cannot re-execute the SQL statement after waiting a moment, use the procedure given below to resolve the memory shortage. Then, re-execute the SQL statement or `adbsql` subcommand.

1. Check for any unnecessary processes. If there are any unnecessary processes, shut them down.

2. Messages

2. If there is not enough memory after performing step 1, restart the OS, and then start the HADB server.
3. If there is not enough memory after performing step 2, change the kernel parameter setting to increase the amount of memory that processes can use. Restart the OS, and then start the HADB server.

KFAA96458-E

An SQL error occurred. (return code = *aa....aa*) (M+S)

The HADB server returned an error.

aa....aa:

Return code of the CLI function

S:

Ignores this SQL statement.

Action:

Eliminate the cause of the error as indicated for the other message that was output, and then retry the operation.

KFAA96460-E

The input data is outside the valid range for this column's data type. (S)

The length of the input data is invalid.

S:

Ignores this input data, and then sends out a request for re-entry of data.

Action:

Correct the input data.

KFAA96461-E

The length of an SQL statement exceeds 16,000,000 bytes. (S)

The length of an SQL statement exceeds 16,000,000 bytes.

S:

Ignores this SQL statement.

Action:

Correct the SQL statement, and then retry the operation.

KFAA96463-E

The length of an adbsql control statement exceeds 16,000,000 bytes. (S)

The length of the `adbsql` subcommand whose execution with the `adbsql` command was attempted has exceeded 16,000,000 bytes.

S:

Ignores the specification of this `adbsql` subcommand.

Action:

Correct the specification of the `adbsql` subcommand, and then retry the operation.

KFAA96464-E

The *aa....aa* is invalid. (reason = length over) (S)

The length of the specified authorization identifier or password is invalid.

aa....aa: Type of error

- `authorization_identifier`: An authorization identifier error
- `password`: A password error

S:

Terminates processing.

Action:

Correct the authorization identifier or password, and then retry the operation.

KFAA96465-E

The data type of number *aa....aa* input variable is not compatible. (S)

The specification format of the input *aa....aa* is invalid. Another possibility is that the length of the input *aa....aa* is invalid.

aa....aa:

Sequence number of error input parameter (sequence number of the dynamic parameter where the error occurred)

S:

Ignores this input data, and then sends out a request for re-input of data.

Action:

Correct the input data.

KFAA96467-E

Transaction was rolled back. (M+S)

The transaction was rolled back.

S:

Ignores this SQL statement.

Action:

Take corrective action as indicated for the message output immediately prior to this message. If no message was output immediately prior to this message, consult the client message log file.

KFAA96468-E

The adbsql command cannot be specified. (command = "aa....aa", reason = bb....bb) (S)

The adbsql subcommand cannot be executed.

aa....aa:

adbsql subcommand name

bb....bb: Reason

- *-s* option: The *-s* option is specified.

S:

Ignores the specification of this adbsql subcommand, and then issues the input request again.

Action:

Do not specify this adbsql subcommand.

KFAA96469-E

The adbsql command "aa....aa" is used incorrectly. (reason = bb....bb) (S)

The specified adbsql subcommand "aa....aa" is invalid.

aa....aa:

adbsql subcommand name

bb....bb: Reason

- *null character length error*: The length of the character string displaying a null value is invalid.

S:

Ignores the specification of this adbsql subcommand, and then issues the input request again.

Action:

- If *aa....aa* is #SET NULL

Correct the length of the character string displaying a null value, and then re-execute the adbsql subcommand #SET NULL.

KFAA96499-I

aa....aa (S)

The following settings have been changed by the `adbsql` subcommand specification:

- Display of search results in hexadecimal format using `#SET DUMPMode`
- Display of index information and work table information using `#SET OPT REPORT`
- Output of the SQL statement execution time using `#SET EXECTIME REPORT`
- Output of search results using `#SET DISPLAY`

aa....aa: Description of the setting change

- `DUMPMode` changed (*a1* -> *a2*) : Setting for the display method for search results in hexadecimal format
a1 is the setting before the change; *a2* is the setting after.
- `OPT REPORT` changed (*a1* -> *a2*) : Setting for the display method for index information and work table information
a1 is the setting before the change; *a2* is the setting after.
- `EXECTIME REPORT` changed (*a1* -> *a2*) : Change of the output of the SQL statement execution time
a1 is the setting before the change; *a2* is the setting after.
- `DISPLAY` changed (*a1* -> *a2*) : Change of the output of search results
a1 is the setting before the change; *a2* is the setting after.

S:

Continues processing.

KFAA96600-I

```
Usage: adbimport -u <user-name> [-p <password>] [-d] [-k {<enclosing-character> | none}] [-s {<delimiter> | tab}] [-g <interval-at-which-progress-message-is-to-be-output>] [-w {<temporary-directory> | <temporary-directory-path-file-name>}] [-z <import-option-file-name>] [-e] [-b] [--status wait] [-m <chunk-comment>] [--force] [-r <column-structure-information-file-name>] [-f {csv | fix}] <table-name> <input-data-path-file-name> (M+S)
```

Indicates the specification format of the `adbimport` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96603-E

The option argument is invalid. command name = *aa....aa*, option = *bb....bb*, reason = *cc....cc* (E+M)

Processing was stopped because there was an error in the command's option argument.

aa....aa:

Name of the command executed

bb....bb:

Invalid option argument

cc....cc: Reason for the error

- *invalid length*: The length of the option argument is invalid.
- *invalid value*: The value of the option argument is invalid.
- *invalid combination*: The combination of option arguments is invalid.

S:

Terminates processing.

Action:

Correct the option argument, and then re-execute the command.

For details about how to specify option arguments, see the description of options for each command in the manual *HADB Command Reference*.

KFAA96605-E

Memory is insufficient. (size of the insufficient memory = *aa....aa*, part number = *bb....bb*, part code = *cc....cc*) (E +M)

A memory shortage occurred.

aa....aa:

Size of memory you attempted to acquire (bytes)

bb....bb:

Maintenance information 1

cc....cc:

Maintenance information 2

S:

Terminates processing.

Action:

Use the procedure given below to resolve the shortage of memory. Restore the database if necessary, and then re-execute the command. For details about how to restore the database, see the actions to take for abnormal termination of each command in the manual *HADB Command Reference*.

1. Check for any unnecessary processes. If there are any unnecessary processes, shut them down. Then, re-execute the command. If there are processes that require large amounts of memory, wait for those processes to end, and then re-execute the command.
2. If there is not enough memory after performing step 1, restart the OS. After the HADB server has started, re-execute the command.
3. If there is not enough memory after performing step 2, change the kernel parameter setting to increase the amount of memory that processes can use, and then restart the OS. After the HADB server has started, re-execute the command.

If this message is output, consider the following corrective actions:

- Check whether the amount of memory indicated by *aa....aa* can be allocated to the memory used by the environment in which processing is taking place.
- Carefully review the column definitions of the table where the error occurred, and check if the size defined for any of the columns is significantly larger than the maximum size of the data to be stored. If it is, consider reducing the size defined for that column.

KFAA96606-E

The command options are invalid. command name = *aa....aa*, reason code = *bb* (E+M)

The command specification format is invalid. If the cause of the error *bb* is 01, a message that explains the command specification format is output after this message.

aa....aa:

Name of executed command

bb: Cause of the error

- 01: The specified option or command argument is invalid. Another possibility is that a required command argument is missing.
- 02: Other errors

S:

Terminates processing.

Action:

Correct the specification of the option, and then re-execute the command.

KFAA96607-E

The specified authorization identifier or password is invalid. (E+M)

The specified authorization identifier or password is invalid.

Possible causes are as follows:

- The specified authorization identifier does not exist.
- An incorrect password was specified.
- The specified authorization identifier does not have the CONNECT privilege.

S:

Terminates processing.

Action:

Specify the correct authorization identifier or password, and then re-execute the command.

KFAA96608-E

The format of the path specified in the *aa....aa* argument of the *bb....bb* command is invalid. (reason = "cc....cc")
(E+M)

The specification format of the path specified for the option argument of the *bb....bb* command is invalid.

aa....aa: Invalid option

- -f: The specified directory path file name that specifies the storage directory for unload files is invalid.
- -w: The specified name of the storage directory for temporary work files is invalid.

bb....bb:

Name of the command executed

cc....cc: Cause of the error

- invalid path length: The specified path length is invalid.
- not full path: The specified path meets one of the following conditions.
 - The specified path does not begin with a slash (/).
 - The specified path includes / . . /.

S:

Terminates processing.

Action:

Eliminate the cause of the error, and then re-execute the command.

KFAA96609-E

The *aa....aa* command timed out. (E+M)

The *aa....aa* command timed out.

aa....aa:

Command name

S:

Terminates processing.

Action:

If this message is output, check whether the KFAA30955-E message is output immediately after this message.

If the KFAA30955-E message is output, take the corrective action for the KFAA30955-E message.

If the KFAA30955-E message is not output, take the corrective action for the KFAA80204-I message.

KFAA96610-E

An error occurred while processing a command. command name = *aa....aa*, reason code = *bbbb*, details code = *cc....cc* (E+M)

An error occurred during command execution. Stops command processing.

aa....aa:

Name of executed command

bbbb:

Reason code

cc....cc:

Detail code

S:

Terminates processing.

Action:

Take the corrective action indicated for the reason code in the following table.

After taking the corrective action, restore the database, if necessary, and then re-execute the command. For details about how to restore the database, see the actions to take for abnormal termination of each command in the manual *HADB Command Reference*.

Note that this message might be output if the `adbcancel` command is executed immediately after the command indicated by *aa....aa* was executed.

Reason code	Detail code	Definition	Action to take
0001	For negative values	Data communication failed. Another possibility is that a failure occurred on the HADB server. A problem occurred in an authorization identifier, table specification, or the like. The detail code is SQLCODE.	Check the message of the corresponding SQLCODE, the console and the message log files. Determine the cause of the error on the HADB server, and then eliminate it. [#]
	Other than the above	Data communication failed. Another possibility is that a failure occurred on the HADB server. The detail code is the maintenance information.	Check the console and the message log files. Determine the cause of the error on the HADB server, and then eliminate it. [#]
0002	For negative values	An error occurred on the HADB server. The detail code is SQLCODE.	Check the message of the corresponding SQLCODE and the messages output to the message log files. Determine the cause of the error on the HADB server, and then eliminate it. [#]
	Other than the above	An error occurred on the HADB server. The detail code is the maintenance information.	Check the message log files. Determine the cause of the error on the HADB server, and then eliminate it. [#]

#

If a message was output immediately before this one, also eliminate the cause of the error described in that message.

KFAA96620-E

An error occurred while processing a command. (SQLCODE = *aa....aa*) (E+M)

An error occurred during the execution of the command. An SQLCODE is indicated by *aa....aa*.

aa....aa:

SQLCODE

S:

Terminates processing.

Action:

See the message corresponding to the indicated SQLCODE, and then eliminate the cause of the error. For details about messages corresponding to SQLCODEs, see [1.4 Interpreting SQLCODEs](#).

KFAA96700-I

```
Usage: adbidxrebuild -u <user-name> [-p <password>] [-g <interval-at-which-progress-message-is-to-be-output>]
[-w {<temporary-directory> | <temporary-directory-path-file-name>}] [-z <index-rebuild-option-file-name>] [-i
<index-identifier-file-name>] [ {--create-temp-file | --force} ] <table-name> (M+S)
```

Indicates the specification format of the `adbidxrebuild` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96720-I

```
Usage: {adbdbstatus [-d {summary | used}] [-c {dbarea | table | index | archivechunk}] [-n {<DB-area-name>
| <table-name> | <index-name>}]} [-t] [-k <enclosing-character>] [-s {<delimiting-character> | tab}] [-S {K |
M | G}] [-r <range>] [ --shared-lock ] | adbdbstatus -d reorginfo -n <table-name> [-c <analysis-chunk-ID-list>]
[-t] [-k <enclosing-character>] [-s {<delimiting-character> | tab}] [-S {K | M | G}] } (M+S)
```

Indicates the specification format of the `adbdbstatus` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96740-I

```
Usage: adbexport -u <user-name> [-p <password>] [-k {<enclosing-character> | none}] [-s {<delimiter> |
tab}] [-g <interval-at-which-progress-message-is-to-be-output>] [-z <export-option-file-name>] {-q <SQL-
statement-file> | -n <table-name> [-c <chunk ID>]} [ --compress GZIP ] [ --with-column-name ] <export-file-path>
(M+S)
```

Indicates the specification format of the `adbexport` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96760-I

```
Usage: adbstat [-c {sys | cnct | buf | sql}] [-n {<ap-name> | <global-buffer-name> | <connection-information>} ] [-m <statistics-output-range>] [-q <SQL-serial-number>] [-t] [-k <enclosing-character>] [-s {<delimiter> | tab}] (M+S)
```

Indicates the specification format of the `adbstat` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96763-E

```
The option argument is invalid. command name = adbstat, option = aa, reason = bb...bb (E+M)
```

An option argument specified for the `adbstat` command contains an error.

aa:

Option argument containing the error

bb....bb: Cause of the error

- length of the option argument is invalid: The length of the option argument is invalid.
- setting for the option argument is invalid: The value specified for the option argument is invalid.
- option combination is invalid: A combination of options is invalid.
- start time is later than the end time: The start time specified is later than the end time.
- datetime specification format is invalid: The datetime specification format is invalid.
- specified datetime does not exist: The specified datetime does not exist.

S:

Terminates processing.

Action:

Correct the incorrectly specified option.

KFAA96764-I

```
Processing to analyze the statistics log file aa....aa was skipped because new statistics log data overwrote the data in the file. (E+M)
```

Processing to analyze the statistics log file *aa....aa* was skipped because that file was overwritten by newly-output statistics log data.

aa....aa:

Statistics log file name

S:

Continues processing. For statistics log data output to the statistics log file *aa....aa*, analysis processing has finished up to the statistics log data immediately before the point from which overwrite started.

KFAA96780-I

```
Usage: adbmergechunk -u <user-name> [-p <password>] [-g <interval-at-which-progress-message-is-to-be-output>] [-w {<temporary-directory> | <temporary-directory-path-file-name>}] [-z <mergechunk-option-file-name>] [-m <chunk-comment>] [--purge-chunk {WAIT | NOWAIT}] -c {<merge-the-original-chunk-ID> | ALL} <table-name> (M+S)
```

Indicates the specification format of the `adbmergechunk` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96785-E

```
A chunk could not be deleted. Delete the chunk by using the PURGE CHUNK statement. (table = "aa....aa"."bb....bb", chunk ID = cc....cc) (E+M)
```

A chunk in table "aa....aa"."bb....bb" could not be deleted during processing to merge chunks.

The chunk with *cc....cc* remains as a deletion-pending chunk. If a deletion-pending chunk exists, the `adbmergechunk` command cannot merge chunks.

aa....aa:

Schema name

bb....bb:

Table identifier

cc....cc:

Chunk ID of the chunk that could not be deleted

S:

Terminates processing.

Action:

Delete the chunk with *cc....cc* by using the PURGE CHUNK statement.

KFAA96790-I

```
Usage: adbchgchunkcomment -u <user-name> [-p <password>] {-m <chunk-comment> | -d} -c <chunk-ID> <table-name> (M+S)
```

Indicates the specification format of the `adbchgchunkcomment` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96800-I

```
Usage: adbgetcst -u <user-name> [-p <password>] [-t <table-name>] [-d] [-z <cost-information-collection-option-file-name>] [-g <interval-at-which-progress-message-is-to-be-output>] (M+S)
```

Indicates the specification format of the `adbgetcst` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96820-I

```
Usage: adbchgchunkstatus -u <user-name> [-p <password>] [-w <ID-of-chunk-to-be-changed-to-wait-status>] [-n <ID-of-chunk-to-be-changed-to-normal-status>] <table-name> (M+S)
```

Indicates the specification format of the `adbchgchunkstatus` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96830-I

```
Usage: adbarchivechunk -u <user-name> [-p <password>] [-g <interval-at-which-progress-message-is-to-be-output>] [-z <archive-chunk-option-file-name>] [-t] {-c <chunk-ID> | -r <range>} <table-name> (M+S)
```

Indicates the specification format of the `adbarchivechunk` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96840-I

```
Usage: adbunarchivechunk -u <user-name> [-p <password>] [-g <interval-at-which-progress-message-is-to-be-output>] [-w {<temporary-directory> | <temporary-directory-path-file-name>}] [-z <unarchive-chunk-option-file-name>] [-t] {-c <chunk-ID> | -r <range>} [--force] <table-name> (M+S)
```

Indicates the specification format of the `adbunarchivechunk` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

KFAA96850-I

```
Usage: adbreorgsystemdata [-g <interval-at-which-progress-message-is-to-be-output>] [-w <temporary-directory>] [-timeout <timeout-period>] -c table -f <file-that-specifies-the-unload-file-directory> -n <table-name> (M+S)
```

Indicates the specification format of the `adbreorgsystemdata` command. This message is displayed when command help is requested or when the command format is invalid.

S:

Terminates processing.

2.8 List of message output locations

The table below lists the message output locations.

In the table, the output level means the message output level that is specified in the ADBSYSLOGLV environment variable. For details, see *Suppressing message output to syslog* in the *HADB Setup and Operation Guide*.

Table 2-1: List of message output locations

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA30101-E				Y	Y	Y	--
KFAA30102-E				Y	Y	Y	--
KFAA30103-E				Y	Y	Y	--
KFAA30104-E				Y	Y	Y	--
KFAA30105-E				Y	Y	Y	--
KFAA30106-E				Y	Y	Y	--
KFAA30107-E				Y	Y	Y	--
KFAA30112-E				Y	Y	Y	--
KFAA30113-E				Y	Y	Y	--
KFAA30114-E				Y	Y	Y	--
KFAA30117-E				Y	Y	Y	--
KFAA30118-E				Y	Y	Y	--
KFAA30119-E				Y	Y	Y	--
KFAA30120-E				Y	Y	Y	--
KFAA30121-E				Y	Y	Y	--
KFAA30122-E				Y	Y	Y	--
KFAA30123-E				Y	Y	Y	--
KFAA30124-E				Y	Y	Y	--
KFAA30125-E				Y	Y	Y	--
KFAA30126-E				Y	Y	Y	--
KFAA30127-E				Y	Y	Y	--
KFAA30129-E				Y	Y	Y	--
KFAA30131-E				Y	Y	Y	--
KFAA30137-E				Y	Y	Y	--
KFAA30142-E				Y	Y	Y	--
KFAA30144-E				Y	Y	Y	--

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA30145-E				Y	Y	Y	--
KFAA30149-E				Y	Y	Y	--
KFAA30154-E				Y	Y	Y	--
KFAA30166-E				Y	Y	Y	--
KFAA30177-E				Y	Y	Y	--
KFAA30192-E				Y	Y	Y	--
KFAA30194-E				Y	Y	Y	--
KFAA30195-E				Y	Y	Y	--
KFAA30197-E				Y	Y	Y	--
KFAA30201-E				Y	Y	Y	--
KFAA30202-E				Y	Y	Y	--
KFAA30203-E				Y	Y	Y	--
KFAA30204-E				Y	Y	Y	--
KFAA30205-E				Y	Y	Y	--
KFAA30206-E				Y	Y	Y	--
KFAA30208-E				Y	Y	Y	--
KFAA30210-E				Y	Y	Y	--
KFAA30211-E				Y	Y	Y	--
KFAA30213-E				Y	Y	Y	--
KFAA30214-E				Y	Y	Y	--
KFAA30220-E				Y	Y	Y	--
KFAA30229-E				Y	Y	Y	--
KFAA30239-E				Y	Y	Y	--
KFAA30257-E				Y	Y	Y	--
KFAA30264-E				Y	Y	Y	--
KFAA30302-E				Y	Y	Y	--
KFAA30312-E				Y	Y	Y	--
KFAA30318-E				Y		Y	--
KFAA30319-E				Y		Y	--
KFAA30322-E				Y	Y	Y	--
KFAA30323-E				Y	Y	Y	--
KFAA30324-E				Y	Y	Y	--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA30326-E				Y	Y	Y	--
KFAA30361-E				Y	Y	Y	--
KFAA30401-E				Y	Y	Y	--
KFAA30402-E				Y	Y	Y	--
KFAA30403-E				Y	Y	Y	--
KFAA30404-E				Y	Y	Y	--
KFAA30405-E				Y	Y	Y	--
KFAA30406-E				Y	Y	Y	--
KFAA30407-E				Y	Y	Y	--
KFAA30408-E				Y	Y	Y	--
KFAA30410-E				Y	Y	Y	--
KFAA30411-E				Y	Y	Y	--
KFAA30413-E				Y	Y	Y	--
KFAA30414-E				Y	Y	Y	--
KFAA30415-E				Y	Y	Y	--
KFAA30416-E				Y	Y	Y	--
KFAA30417-E				Y	Y	Y	--
KFAA30418-E				Y	Y	Y	--
KFAA30419-E				Y	Y	Y	--
KFAA30420-E				Y	Y	Y	--
KFAA30421-E				Y	Y	Y	--
KFAA30424-E				Y	Y	Y	--
KFAA30425-E				Y	Y	Y	--
KFAA30437-E				Y	Y	Y	--
KFAA30447-E				Y	Y	Y	--
KFAA30448-E				Y	Y	Y	--
KFAA30450-E				Y	Y	Y	--
KFAA30453-E				Y	Y	Y	--
KFAA30454-E				Y	Y	Y	--
KFAA30458-E				Y	Y	Y	--
KFAA30459-E				Y	Y	Y	--
KFAA30460-E				Y	Y	Y	--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA30464-E				Y	Y	Y	--
KFAA30467-E				Y			--
KFAA30501-E				Y	Y	Y	--
KFAA30502-E				Y	Y	Y	--
KFAA30505-E				Y	Y	Y	--
KFAA30506-E				Y	Y	Y	--
KFAA30512-E				Y	Y	Y	--
KFAA30547-E				Y	Y	Y	--
KFAA30548-E				Y	Y	Y	--
KFAA30549-E				Y	Y	Y	--
KFAA30550-E				Y	Y	Y	--
KFAA30551-E				Y	Y	Y	--
KFAA30552-E				Y	Y	Y	--
KFAA30555-E				Y	Y	Y	--
KFAA30556-E				Y	Y	Y	--
KFAA30559-E				Y	Y	Y	--
KFAA30560-E				Y	Y	Y	--
KFAA30561-E				Y	Y	Y	--
KFAA30562-E				Y	Y	Y	--
KFAA30563-E				Y	Y	Y	--
KFAA30564-E				Y	Y	Y	--
KFAA30565-E				Y	Y	Y	--
KFAA30566-E				Y	Y	Y	--
KFAA30572-E				Y	Y	Y	--
KFAA30575-E				Y	Y	Y	--
KFAA30577-E				Y	Y	Y	--
KFAA30579-E				Y	Y	Y	--
KFAA30601-E				Y	Y	Y	--
KFAA30602-E				Y	Y	Y	--
KFAA30604-E				Y	Y	Y	--
KFAA30607-E				Y	Y	Y	--
KFAA30609-E				Y	Y	Y	--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA30612-E				Y	Y	Y	--
KFAA30613-E				Y	Y	Y	--
KFAA30614-E				Y			--
KFAA30616-E				Y	Y	Y	--
KFAA30617-E				Y	Y	Y	--
KFAA30619-E				Y	Y	Y	--
KFAA30630-E				Y	Y	Y	--
KFAA30650-E				Y	Y	Y	--
KFAA30651-E				Y	Y	Y	--
KFAA30652-E				Y	Y	Y	--
KFAA30653-E				Y	Y	Y	--
KFAA30655-E				Y			--
KFAA30656-E				Y	Y	Y	--
KFAA30657-E				Y	Y	Y	--
KFAA30661-E				Y	Y	Y	--
KFAA30664-E				Y	Y	Y	--
KFAA30670-E				Y	Y	Y	--
KFAA30673-E				Y	Y	Y	--
KFAA30677-E				Y	Y	Y	--
KFAA30678-E				Y	Y	Y	--
KFAA30692-E				Y	Y	Y	--
KFAA30695-E				Y	Y	Y	--
KFAA30705-E				Y	Y	Y	--
KFAA30706-E				Y	Y	Y	--
KFAA30720-E				Y	Y	Y	--
KFAA30722-E				Y	Y	Y	--
KFAA30723-E				Y	Y	Y	--
KFAA30724-E		Y		Y	Y	Y	--
KFAA30727-E				Y	Y	Y	--
KFAA30732-E				Y	Y	Y	--
KFAA30733-E				Y	Y	Y	--
KFAA30742-E				Y	Y	Y	--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA30743-E				Y	Y	Y	--
KFAA30744-E				Y	Y	Y	--
KFAA30748-E				Y	Y	Y	--
KFAA30752-E				Y		Y	--
KFAA30756-E				Y	Y	Y	--
KFAA30758-E				Y	Y	Y	--
KFAA30798-E				Y	Y	Y	--
KFAA30800-E				Y	Y	Y	--
KFAA30801-E				Y	Y	Y	--
KFAA30802-E				Y	Y	Y	--
KFAA30803-E				Y	Y	Y	--
KFAA30805-E				Y	Y	Y	--
KFAA30808-E				Y	Y	Y	--
KFAA30811-E				Y	Y	Y	--
KFAA30812-E				Y	Y	Y	--
KFAA30821-E				Y	Y	Y	--
KFAA30824-E				Y		Y	--
KFAA30873-E				Y	Y	Y	--
KFAA30879-E				Y	Y	Y	--
KFAA30889-E				Y	Y	Y	--
KFAA30901-E				Y	Y	Y	--
KFAA30913-E				Y	Y	Y	--
KFAA30914-E				Y	Y	Y	--
KFAA30918-E				Y	Y	Y	--
KFAA30919-E				Y	Y	Y	--
KFAA30930-E				Y	Y	Y	--
KFAA30931-E				Y	Y	Y	--
KFAA30932-E				Y	Y	Y	--
KFAA30953-E				Y	Y	Y	--
KFAA30955-E				Y	Y	Y	--
KFAA30959-E				Y	Y	Y	--
KFAA30984-E				Y	Y	Y	--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA30990-E				Y		Y	--
KFAA31120-E				Y	Y	Y	--
KFAA31121-E				Y	Y	Y	--
KFAA31123-E				Y	Y	Y	--
KFAA31124-E				Y	Y	Y	--
KFAA31125-E				Y	Y	Y	--
KFAA31126-E				Y	Y	Y	--
KFAA31127-E				Y	Y	Y	--
KFAA31128-E				Y	Y	Y	--
KFAA31129-E				Y	Y	Y	--
KFAA31131-E				Y	Y	Y	--
KFAA31132-E				Y	Y	Y	--
KFAA31135-E				Y	Y	Y	--
KFAA31201-E				Y	Y	Y	--
KFAA31202-E				Y			--
KFAA31203-E				Y	Y	Y	--
KFAA31204-E				Y	Y	Y	--
KFAA31205-E				Y			--
KFAA31206-E				Y	Y	Y	--
KFAA31207-E				Y	Y	Y	--
KFAA31208-E				Y	Y	Y	--
KFAA31209-E				Y	Y	Y	--
KFAA31210-E				Y	Y	Y	--
KFAA31212-E				Y	Y	Y	--
KFAA31213-E				Y	Y	Y	--
KFAA31214-E				Y	Y	Y	--
KFAA31215-E				Y	Y	Y	--
KFAA31216-E				Y	Y	Y	--
KFAA31217-E				Y	Y	Y	--
KFAA31218-E				Y	Y	Y	--
KFAA31219-E				Y	Y	Y	--
KFAA31223-E				Y	Y	Y	--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA31226-E				Y	Y	Y	--
KFAA31234-E				Y	Y	Y	--
KFAA31235-E				Y	Y	Y	--
KFAA31239-E				Y	Y	Y	--
KFAA31240-E				Y			--
KFAA31241-E				Y	Y	Y	--
KFAA31242-E				Y	Y	Y	--
KFAA31243-E				Y	Y	Y	--
KFAA31260-E				Y	Y	Y	--
KFAA31261-E				Y	Y	Y	--
KFAA31262-E				Y	Y	Y	--
KFAA31280-E				Y			--
KFAA31301-E				Y	Y	Y	--
KFAA31306-E				Y	Y	Y	--
KFAA31307-E				Y	Y	Y	--
KFAA31310-E				Y	Y	Y	--
KFAA31371-E				Y	Y	Y	--
KFAA31372-E				Y	Y	Y	--
KFAA31373-E				Y	Y	Y	--
KFAA31375-E				Y	Y	Y	--
KFAA31376-E				Y	Y	Y	--
KFAA31377-E				Y	Y	Y	--
KFAA31405-E				Y	Y	Y	--
KFAA31420-E				Y	Y	Y	--
KFAA31424-E				Y	Y	Y	--
KFAA31425-E				Y	Y	Y	--
KFAA31436-E				Y	Y	Y	--
KFAA31470-E				Y	Y	Y	--
KFAA31471-E				Y	Y	Y	--
KFAA31476-E				Y	Y	Y	--
KFAA31515-E				Y	Y	Y	--
KFAA31524-E				Y	Y	Y	--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA31550-E				Y	Y	Y	--
KFAA31551-E				Y	Y	Y	--
KFAA31552-E				Y	Y	Y	--
KFAA31553-E				Y	Y	Y	--
KFAA31554-E				Y	Y	Y	--
KFAA31555-E				Y	Y	Y	--
KFAA31600-E				Y	Y	Y	--
KFAA31602-E				Y	Y	Y	--
KFAA31648-E				Y			--
KFAA31650-E				Y	Y	Y	--
KFAA31651-E				Y	Y	Y	--
KFAA31652-E				Y	Y	Y	--
KFAA31653-E				Y	Y	Y	--
KFAA31654-E				Y	Y	Y	--
KFAA31655-E				Y	Y	Y	--
KFAA31656-E				Y			--
KFAA31657-E				Y	Y	Y	--
KFAA31658-E				Y	Y	Y	--
KFAA31659-E				Y	Y	Y	--
KFAA31660-E				Y	Y	Y	--
KFAA31661-E				Y	Y	Y	--
KFAA31662-E				Y	Y	Y	--
KFAA31663-E				Y	Y	Y	--
KFAA31664-E				Y	Y	Y	--
KFAA31665-E				Y	Y	Y	--
KFAA31666-E				Y	Y	Y	--
KFAA31667-E				Y	Y	Y	--
KFAA31668-E				Y	Y	Y	--
KFAA31669-E				Y	Y	Y	--
KFAA31670-E				Y	Y	Y	--
KFAA31673-E				Y	Y	Y	--
KFAA31675-E				Y	Y	Y	--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA31678-E				Y	Y	Y	--
KFAA31679-E				Y	Y	Y	--
KFAA31684-E				Y	Y	Y	--
KFAA31685-E				Y	Y	Y	--
KFAA31686-E				Y	Y	Y	--
KFAA31696-E				Y	Y	Y	--
KFAA31711-E				Y	Y	Y	--
KFAA31713-E				Y	Y	Y	--
KFAA31714-E				Y	Y	Y	--
KFAA31719-E				Y	Y	Y	--
KFAA31727-E				Y	Y	Y	--
KFAA31728-E				Y			--
KFAA31729-E				Y	Y	Y	--
KFAA31730-E				Y	Y	Y	--
KFAA31733-E				Y	Y	Y	--
KFAA31734-E				Y	Y	Y	--
KFAA31735-E				Y	Y	Y	--
KFAA31736-E				Y	Y	Y	--
KFAA31893-E				Y		Y	--
KFAA31894-E				Y	Y	Y	--
KFAA31895-E				Y	Y	Y	--
KFAA31896-E				Y			--
KFAA31897-E				Y	Y	Y	--
KFAA31898-E				Y	Y	Y	--
KFAA32000-I				Y			--
KFAA32100-I				Y			--
KFAA32390-I				Y			--
KFAA34002-E				Y	Y	Y	--
KFAA34003-E				Y	Y	Y	--
KFAA34004-E				Y	Y	Y	--
KFAA34005-E				Y	Y	Y	--
KFAA34006-E				Y	Y	Y	--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA34007-E				Y			--
KFAA34008-E				Y	Y	Y	--
KFAA34009-E				Y	Y	Y	--
KFAA40000-E				Y			--
KFAA40001-E				Y			--
KFAA40002-E				Y			--
KFAA40003-E				Y			--
KFAA40004-E				Y			--
KFAA40005-E				Y			--
KFAA40006-E		Y					--
KFAA40007-E				Y			--
KFAA40008-E				Y			--
KFAA40009-E				Y			--
KFAA40010-E				Y			--
KFAA40011-E		Y					--
KFAA40012-I				Y			--
KFAA40013-E				Y			--
KFAA40014-I				Y			--
KFAA40015-E				Y			--
KFAA40016-E				Y			--
KFAA40017-I				Y			--
KFAA40018-I				Y			--
KFAA40019-I				Y			--
KFAA40020-W			Y	Y			4
KFAA40021-W			Y	Y			4
KFAA40022-W				Y			--
KFAA40023-I				Y			--
KFAA40024-I				Y			--
KFAA40025-W			Y	Y			1
KFAA40203-E				Y			--
KFAA40204-E				Y			--
KFAA40205-E				Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA40207-E				Y			--
KFAA40208-E				Y			--
KFAA40212-E				Y			--
KFAA40213-E				Y			--
KFAA40214-E				Y			--
KFAA40215-E				Y			--
KFAA40216-E				Y			--
KFAA40220-E				Y			--
KFAA40289-E		Y		Y			--
KFAA40290-E		Y		Y			--
KFAA40291-W				Y			--
KFAA40292-E				Y			--
KFAA40293-E				Y			--
KFAA41000-W				Y			--
KFAA41001-E				Y			--
KFAA41100-W				Y			--
KFAA41101-W				Y			--
KFAA41103-W				Y			--
KFAA41105-W				Y			--
KFAA41106-W				Y			--
KFAA41200-E				Y			--
KFAA41201-E				Y			--
KFAA41202-E				Y			--
KFAA41205-E				Y			--
KFAA41206-I				Y			--
KFAA41207-E				Y			--
KFAA41208-W				Y			--
KFAA41210-E				Y			--
KFAA41212-I				Y			--
KFAA41213-W				Y			--
KFAA41220-W				Y			--
KFAA41221-I				Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA41222-I			Y	Y			5
KFAA41223-I				Y			--
KFAA50000-E				Y			--
KFAA50001-E				Y			--
KFAA50002-E				Y			--
KFAA50003-E				Y			--
KFAA50004-E				Y			--
KFAA50005-E				Y			--
KFAA50006-E				Y			--
KFAA50007-E				Y			--
KFAA50008-E				Y			--
KFAA50009-E				Y			--
KFAA50010-E				Y			--
KFAA50011-E				Y			--
KFAA50012-E				Y			--
KFAA50013-E				Y			--
KFAA50014-W				Y			--
KFAA50015-E				Y			--
KFAA50016-E				Y			--
KFAA50017-E				Y			--
KFAA50018-E		Y					--
KFAA50019-E		Y					--
KFAA50020-E				Y			--
KFAA50021-E				Y			--
KFAA50022-E				Y			--
KFAA50023-E				Y			--
KFAA50024-E				Y			--
KFAA50025-E				Y			--
KFAA50026-I				Y			--
KFAA50027-I				Y			--
KFAA50028-E				Y			--
KFAA50029-E				Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA50030-E				Y			--
KFAA50032-E				Y			--
KFAA50033-E				Y			--
KFAA50034-E				Y			--
KFAA50035-E				Y			--
KFAA50036-E				Y			--
KFAA50037-E				Y			--
KFAA50038-E				Y			--
KFAA50039-E				Y			--
KFAA50040-E				Y			--
KFAA50041-E				Y			--
KFAA50042-W				Y			--
KFAA50043-E				Y			--
KFAA50044-I				Y			--
KFAA50045-E				Y			--
KFAA50046-E				Y			--
KFAA50047-E				Y			--
KFAA50048-E				Y			--
KFAA50049-E				Y			--
KFAA50050-I			Y	Y			5
KFAA50051-W				Y			--
KFAA50052-E				Y			--
KFAA50053-E				Y			--
KFAA50054-E				Y			--
KFAA50055-I				Y			--
KFAA50056-I				Y			--
KFAA50057-W				Y			--
KFAA50058-E				Y			--
KFAA50059-E				Y			--
KFAA50060-W				Y			--
KFAA50100-E				Y			--
KFAA50101-I				Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA50102-E				Y			--
KFAA50103-E				Y			--
KFAA50104-E				Y			--
KFAA50108-I	Y		Y	Y			2
KFAA50112-E		Y		Y			--
KFAA50116-E		Y		Y			--
KFAA50117-E		Y		Y			--
KFAA50122-E		Y		Y			--
KFAA50123-E		Y		Y			--
KFAA50134-E		Y		Y			--
KFAA50135-E		Y		Y			--
KFAA50140-E		Y		Y			--
KFAA50143-I				Y			--
KFAA50144-E				Y			--
KFAA50150-I				Y			--
KFAA50151-I				Y			--
KFAA50152-I				Y			--
KFAA50153-E				Y			--
KFAA50154-E				Y			--
KFAA50156-E				Y			--
KFAA50157-E				Y			--
KFAA50158-E				Y			--
KFAA50159-W				Y			--
KFAA50160-I				Y			--
KFAA50201-E				Y			--
KFAA50202-E				Y			--
KFAA50203-E				Y			--
KFAA50204-E				Y			--
KFAA50205-E		Y		Y			--
KFAA50206-E				Y			--
KFAA50209-E				Y			--
KFAA50210-E				Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA50211-E				Y			--
KFAA50212-E				Y			--
KFAA50213-E				Y			--
KFAA50214-E				Y			--
KFAA50215-E				Y			--
KFAA50216-E		Y		Y			--
KFAA50217-E				Y			--
KFAA50219-E				Y			--
KFAA50220-E				Y			--
KFAA50221-E				Y			--
KFAA50222-E				Y			--
KFAA50223-E				Y			--
KFAA50224-E				Y			--
KFAA50225-E				Y			--
KFAA50226-E				Y			--
KFAA50227-E				Y			--
KFAA50228-E				Y			--
KFAA50229-E				Y			--
KFAA50230-I				Y			--
KFAA50235-E				Y			--
KFAA50236-E				Y			--
KFAA50239-E	Y			Y			--
KFAA50243-E				Y			--
KFAA50244-E				Y			--
KFAA50245-E				Y			--
KFAA50246-E				Y			--
KFAA50247-E				Y			--
KFAA50248-E				Y			--
KFAA50250-E				Y			--
KFAA50251-I				Y			--
KFAA50252-I				Y			--
KFAA50253-I				Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA50254-I				Y			--
KFAA50255-I				Y			--
KFAA50260-W				Y			--
KFAA50265-E				Y			--
KFAA50266-E				Y			--
KFAA50267-E				Y			--
KFAA50280-E				Y			--
KFAA50281-E				Y			--
KFAA50282-E				Y			--
KFAA50284-E				Y			--
KFAA50285-E				Y			--
KFAA50286-E				Y			--
KFAA50287-E				Y			--
KFAA50288-E				Y			--
KFAA50289-E				Y			--
KFAA50290-E				Y			--
KFAA50291-W				Y			--
KFAA50292-E				Y			--
KFAA50293-E				Y			--
KFAA50294-E				Y			--
KFAA50295-E				Y			--
KFAA50296-E				Y			--
KFAA50297-E				Y			--
KFAA50298-E				Y			--
KFAA50299-E				Y			--
KFAA50300-E				Y			--
KFAA50301-E				Y			--
KFAA50303-E				Y			--
KFAA50304-E				Y			--
KFAA50305-E				Y			--
KFAA50306-E				Y			--
KFAA50307-E				Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA50308-E				Y			--
KFAA50309-E				Y			--
KFAA50310-E				Y			--
KFAA50311-E				Y			--
KFAA50313-I				Y			--
KFAA51000-I				Y			--
KFAA51001-E				Y			--
KFAA51002-E				Y			--
KFAA51003-I				Y			--
KFAA51005-I				Y			--
KFAA51006-I				Y			--
KFAA51007-E				Y			--
KFAA51008-E				Y			--
KFAA51009-E				Y			--
KFAA51010-W				Y			--
KFAA51011-W				Y			--
KFAA51012-E				Y			--
KFAA51013-E				Y			--
KFAA51014-E				Y			--
KFAA51015-E				Y			--
KFAA51016-E				Y			--
KFAA51017-E				Y			--
KFAA51018-E				Y			--
KFAA51019-E				Y			--
KFAA51111-W				Y			--
KFAA51121-W				Y			--
KFAA51130-W				Y			--
KFAA51200-W				Y			--
KFAA51202-W				Y			--
KFAA51204-W				Y			--
KFAA51210-E				Y			--
KFAA51212-E				Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA51213-E				Y			--
KFAA51214-E				Y			--
KFAA51216-E				Y			--
KFAA51217-E				Y			--
KFAA51218-E				Y			--
KFAA51221-E				Y			--
KFAA51223-E				Y			--
KFAA51230-W				Y			--
KFAA51231-W				Y			--
KFAA51232-I				Y			--
KFAA51240-I				Y			--
KFAA51241-I				Y			--
KFAA51242-I				Y			--
KFAA51243-I				Y			--
KFAA51244-I				Y			--
KFAA51245-E				Y			--
KFAA51246-E				Y			--
KFAA51247-I				Y			--
KFAA51253-E		Y		Y			--
KFAA51260-E				Y			--
KFAA51270-E				Y			--
KFAA51271-E				Y			--
KFAA51272-E				Y			--
KFAA51275-I				Y			--
KFAA51276-E				Y			--
KFAA51277-I				Y			--
KFAA51280-W				Y			--
KFAA51300-I				Y			--
KFAA51301-I				Y			--
KFAA51302-E				Y			--
KFAA51303-E				Y			--
KFAA51304-I				Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA51305-E				Y			--
KFAA51306-E				Y			--
KFAA51307-I				Y			--
KFAA51308-E				Y			--
KFAA51309-W				Y			--
KFAA51310-W				Y			--
KFAA51311-I				Y			--
KFAA51312-W				Y			--
KFAA51400-E				Y			--
KFAA51401-E				Y			--
KFAA51402-E				Y			--
KFAA51403-E				Y			--
KFAA51404-E				Y			--
KFAA51405-E				Y			--
KFAA51406-E				Y			--
KFAA51407-E				Y			--
KFAA51408-W				Y			--
KFAA51409-I				Y			--
KFAA51410-W				Y			--
KFAA51411-W				Y			--
KFAA51412-W				Y			--
KFAA51413-W				Y			--
KFAA51414-W				Y			--
KFAA51415-E				Y			--
KFAA51416-E				Y			--
KFAA51417-E				Y			--
KFAA51418-I				Y			--
KFAA51419-I				Y			--
KFAA51420-E				Y			--
KFAA51421-E				Y			--
KFAA51422-E				Y			--
KFAA51500-E		Y		Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA51501-E		Y		Y			--
KFAA51502-E		Y		Y			--
KFAA51503-E		Y		Y			--
KFAA51504-W		Y		Y			--
KFAA51505-E		Y		Y			--
KFAA51506-I	Y			Y			--
KFAA51507-I	Y			Y			--
KFAA51508-I	Y			Y			--
KFAA51509-I	Y			Y			--
KFAA51510-W		Y		Y			--
KFAA51511-E		Y		Y			--
KFAA51512-E		Y		Y			--
KFAA51513-E				Y			--
KFAA51514-E		Y		Y			--
KFAA51515-I	Y			Y			--
KFAA51516-I	Y			Y			--
KFAA51517-W		Y		Y			--
KFAA51518-W		Y		Y			--
KFAA51519-E		Y		Y			--
KFAA51520-W		Y		Y			--
KFAA51521-W		Y		Y			--
KFAA51522-E		Y		Y			--
KFAA51523-W		Y		Y			--
KFAA51524-W		Y		Y			--
KFAA51525-W		Y		Y			--
KFAA51526-I	Y			Y			--
KFAA51527-I	Y			Y			--
KFAA51528-I	Y			Y			--
KFAA51529-I	Y			Y			--
KFAA51530-E		Y		Y			--
KFAA51531-I	Y			Y			--
KFAA51532-I	Y			Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA51533-I	Y			Y			--
KFAA51534-I	Y			Y			--
KFAA51535-W	Y			Y			--
KFAA51536-E		Y		Y			--
KFAA51537-W		Y		Y			--
KFAA51538-W		Y		Y			--
KFAA52000-I	Y			Y			--
KFAA52001-I				Y			--
KFAA52005-I	Y			Y			--
KFAA52100-E		Y		Y			--
KFAA52101-E		Y		Y			--
KFAA52200-E				Y			--
KFAA52201-W				Y			--
KFAA60001-E			Y	Y			1
KFAA60002-E			Y	Y			1
KFAA60003-E			Y	Y			1
KFAA60004-E				Y			--
KFAA60005-E			Y	Y			1
KFAA60007-E			Y	Y			1
KFAA60008-W			Y	Y			1
KFAA60009-E			Y	Y			1
KFAA60010-W			Y	Y			1
KFAA60012-E			Y	Y			1
KFAA60013-E			Y	Y			1
KFAA60014-W			Y	Y			1
KFAA60100-E				Y			--
KFAA60200-W		Y		Y			--
KFAA60209-E			Y	Y			1
KFAA60284-E			Y	Y			1
KFAA60300-E			Y	Y			1
KFAA60302-E			Y	Y			1
KFAA61200-W			Y	Y			1

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA61205-W			Y	Y			1
KFAA61210-E			Y	Y			1
KFAA61211-E			Y	Y			1
KFAA61212-W			Y	Y			1
KFAA61213-W			Y	Y			1
KFAA61214-W			Y	Y			1
KFAA61400-W	Y		Y	Y			1
KFAA70000-I				Y			--
KFAA70001-I				Y			--
KFAA70002-I				Y			--
KFAA70003-I				Y			--
KFAA70004-I				Y			--
KFAA70005-I				Y			--
KFAA70006-I				Y			--
KFAA70008-E				Y			--
KFAA70009-I				Y			--
KFAA71002-E					Y		--
KFAA71017-E					Y		--
KFAA71202-E					Y		--
KFAA71203-E					Y		--
KFAA71204-E					Y		--
KFAA71206-E					Y		--
KFAA71209-E					Y		--
KFAA71210-E					Y		--
KFAA71211-E					Y		--
KFAA71212-E					Y		--
KFAA71218-E					Y		--
KFAA71222-E					Y		--
KFAA71223-E					Y		--
KFAA71301-E					Y		--
KFAA71446-W					Y		--
KFAA71447-W					Y		--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA71448-E					Y		--
KFAA71449-E					Y		--
KFAA71450-E					Y		--
KFAA71452-E					Y		--
KFAA71453-E					Y		--
KFAA71454-W					Y		--
KFAA71562-E					Y		--
KFAA71563-E					Y		--
KFAA71564-E					Y		--
KFAA71565-E					Y		--
KFAA71566-E					Y		--
KFAA71567-E					Y		--
KFAA71569-E					Y		--
KFAA71570-E					Y		--
KFAA71680-E					Y		--
KFAA71681-E					Y		--
KFAA71682-E					Y		--
KFAA71683-E					Y		--
KFAA71687-E					Y		--
KFAA71690-E					Y		--
KFAA71691-E					Y		--
KFAA71692-E					Y		--
KFAA71701-E					Y		--
KFAA71704-E					Y		--
KFAA71705-E					Y		--
KFAA71706-E					Y		--
KFAA71707-E					Y		--
KFAA71708-E					Y		--
KFAA71709-E					Y		--
KFAA71710-E					Y		--
KFAA71711-E					Y		--
KFAA71712-E					Y		--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA71713-E					Y		--
KFAA71714-E					Y		--
KFAA71715-E					Y		--
KFAA71716-E					Y		--
KFAA71717-E					Y		--
KFAA71719-E					Y		--
KFAA71721-E					Y		--
KFAA71722-E					Y		--
KFAA71727-E					Y		--
KFAA71730-E					Y		--
KFAA71731-E					Y		--
KFAA71732-E					Y		--
KFAA71733-E					Y		--
KFAA71735-E					Y		--
KFAA71736-E					Y		--
KFAA71737-E					Y		--
KFAA71801-E					Y		--
KFAA71903-E					Y		--
KFAA71908-E					Y		--
KFAA72000-E						Y	--
KFAA72001-W						Y	--
KFAA72002-E						Y	--
KFAA72003-E						Y	--
KFAA72004-E						Y	--
KFAA72005-I						Y	--
KFAA72006-E						Y	--
KFAA72007-E						Y	--
KFAA72008-W						Y	--
KFAA72009-E						Y	--
KFAA72099-E						Y	--
KFAA80000-I			Y	Y			2
KFAA80001-I			Y	Y			2

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA80002-I			Y	Y			2
KFAA80003-I			Y	Y			2
KFAA80004-I			Y	Y			2
KFAA80005-I			Y	Y			2
KFAA80006-I			Y	Y			2
KFAA80007-I			Y	Y			2
KFAA80008-I			Y	Y			2
KFAA80009-I			Y	Y			2
KFAA80010-I			Y	Y			2
KFAA80011-I			Y	Y			2
KFAA80012-I			Y	Y			2
KFAA80013-I			Y	Y			2
KFAA80014-I			Y	Y			2
KFAA80015-I			Y	Y			2
KFAA80016-I			Y	Y			2
KFAA80017-I			Y	Y			2
KFAA80018-I			Y	Y			2
KFAA80019-I			Y	Y			2
KFAA80020-I			Y	Y			2
KFAA80021-I			Y	Y			2
KFAA80023-I			Y	Y			2
KFAA80024-I			Y	Y			2
KFAA80026-I			Y	Y			2
KFAA80027-I			Y	Y			2
KFAA80028-I			Y	Y			2
KFAA80029-I			Y	Y			2
KFAA80030-I			Y	Y			2
KFAA80031-I			Y	Y			2
KFAA80032-I			Y	Y			2
KFAA80033-I			Y	Y			2
KFAA80034-I			Y	Y			2
KFAA80035-I			Y	Y			2

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA80036-I			Y	Y			2
KFAA80037-I			Y	Y			2
KFAA80038-I			Y	Y			2
KFAA80039-I			Y	Y			2
KFAA80040-I			Y	Y			2
KFAA80041-I			Y	Y			2
KFAA80042-I			Y	Y			2
KFAA80043-I			Y	Y			2
KFAA80044-I			Y	Y			2
KFAA80045-I			Y	Y			2
KFAA80046-I			Y	Y			2
KFAA80047-I			Y	Y			2
KFAA80048-I			Y	Y			2
KFAA80049-I			Y	Y			2
KFAA80050-I			Y	Y			2
KFAA80051-I			Y	Y			2
KFAA80052-I			Y	Y			2
KFAA80053-I			Y	Y			2
KFAA80054-I			Y	Y			2
KFAA80055-I			Y	Y			2
KFAA80056-I			Y	Y			2
KFAA80057-I			Y	Y			2
KFAA80058-I			Y	Y			2
KFAA80059-I			Y	Y			2
KFAA80060-I			Y	Y			2
KFAA80061-I			Y	Y			2
KFAA80062-I			Y	Y			2
KFAA80063-I			Y	Y			2
KFAA80064-I			Y	Y			2
KFAA80065-I			Y	Y			2
KFAA80066-I			Y	Y			2
KFAA80067-I			Y	Y			2

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA80068-I			Y	Y			2
KFAA80069-I			Y	Y			2
KFAA80070-I			Y	Y			2
KFAA80071-I			Y	Y			2
KFAA80072-I			Y	Y			2
KFAA80073-I			Y	Y			2
KFAA80074-I			Y	Y			2
KFAA80075-I			Y	Y			2
KFAA80076-I			Y	Y			2
KFAA80077-I			Y	Y			2
KFAA80078-I			Y	Y			2
KFAA80079-I			Y	Y			2
KFAA80080-I			Y	Y			2
KFAA80081-I			Y	Y			2
KFAA80082-I			Y	Y			2
KFAA80084-I			Y	Y			2
KFAA80085-I			Y	Y			2
KFAA80086-I			Y	Y			2
KFAA80087-I			Y	Y			2
KFAA80088-I			Y	Y			2
KFAA80089-I			Y	Y			2
KFAA80090-I			Y	Y			2
KFAA80091-I			Y	Y			2
KFAA80092-I			Y	Y			2
KFAA80093-I			Y	Y			2
KFAA80094-I			Y	Y			2
KFAA80095-I			Y	Y			2
KFAA80096-I			Y	Y			2
KFAA80097-I			Y	Y			2
KFAA80201-I	Y		Y	Y			2
KFAA80202-I	Y		Y	Y			2
KFAA80203-I	Y			Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA80204-I	Y		Y	Y			2
KFAA80205-I	Y			Y			--
KFAA80206-I	Y			Y			--
KFAA80207-I	Y			Y			--
KFAA80208-I	Y			Y			--
KFAA80209-I	Y		Y	Y			2
KFAA80210-I	Y			Y			--
KFAA80211-I	Y			Y			--
KFAA80212-I	Y			Y			--
KFAA80213-I				Y			--
KFAA80215-I	Y			Y			--
KFAA80216-I	Y			Y			--
KFAA80217-I	Y			Y			--
KFAA80218-I	Y			Y			--
KFAA80219-I	Y			Y			--
KFAA80220-I	Y			Y			--
KFAA80222-I	Y			Y			--
KFAA80223-I	Y			Y			--
KFAA80227-I	Y			Y			--
KFAA80228-I	Y			Y			--
KFAA80229-I	Y			Y			--
KFAA80230-I	Y			Y			--
KFAA80233-I	Y			Y			--
KFAA80234-I	Y			Y			--
KFAA80235-I	Y			Y			--
KFAA80236-I	Y			Y			--
KFAA80237-I	Y			Y			--
KFAA80240-I	Y			Y			--
KFAA80241-I	Y			Y			--
KFAA80242-I	Y			Y			--
KFAA80243-I	Y			Y			--
KFAA80244-I	Y			Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA80245-I	Y			Y			--
KFAA80246-I	Y			Y			--
KFAA80247-W	Y			Y			--
KFAA80249-I	Y			Y			--
KFAA80250-I	Y			Y			--
KFAA80251-I	Y			Y			--
KFAA80253-I	Y			Y			--
KFAA80254-I	Y			Y			--
KFAA80255-I	Y			Y			--
KFAA80256-I	Y			Y			--
KFAA80257-I	Y			Y			--
KFAA80258-I	Y			Y			--
KFAA80259-I	Y			Y			--
KFAA80280-I	Y			Y			--
KFAA80281-I	Y			Y			--
KFAA80282-I	Y			Y			--
KFAA80283-I	Y			Y			--
KFAA80284-I	Y			Y			--
KFAA80285-I	Y			Y			--
KFAA80286-I	Y			Y			--
KFAA80287-I	Y			Y			--
KFAA80288-I	Y			Y			--
KFAA80291-I	Y			Y			--
KFAA80292-I	Y			Y			--
KFAA80295-I				Y			--
KFAA80296-I				Y			--
KFAA80297-I				Y			--
KFAA80300-I			Y	Y			2
KFAA80301-I			Y	Y			2
KFAA81000-I				Y			--
KFAA81001-I				Y			--
KFAA81002-I				Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA81003-I				Y			--
KFAA81004-I				Y			--
KFAA81200-I			Y	Y			6
KFAA81205-I				Y			--
KFAA81206-I				Y			--
KFAA81207-I				Y			--
KFAA81208-I				Y			--
KFAA81209-I				Y			--
KFAA81210-I				Y			--
KFAA81211-I			Y	Y			2
KFAA81214-I			Y	Y			2
KFAA81215-I			Y	Y			2
KFAA81220-I			Y	Y			2
KFAA81221-I				Y			--
KFAA81400-I				Y			--
KFAA81401-I				Y			--
KFAA81402-I				Y			--
KFAA82000-I				Y			--
KFAA82002-I				Y			--
KFAA82003-I				Y			--
KFAA82004-I				Y			--
KFAA90000-I	Y			Y			--
KFAA90001-I	Y			Y			--
KFAA90002-E		Y		Y			--
KFAA90003-E		Y		Y			--
KFAA90004-E		Y		Y			--
KFAA90005-E		Y		Y			--
KFAA90006-E		Y		Y			--
KFAA90008-Q	Y			Y			--
KFAA90009-E		Y		Y			--
KFAA90010-I				Y			--
KFAA90011-I				Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA90012-E		Y		Y			--
KFAA90500-E		Y		Y			--
KFAA91000-E		Y		Y			--
KFAA91001-W		Y		Y			--
KFAA91100-I	Y			Y			--
KFAA91101-W		Y		Y			--
KFAA91102-E		Y		Y			--
KFAA91104-Q	Y			Y			--
KFAA91105-I	Y		Y	Y			2
KFAA91107-Q	Y			Y			--
KFAA91108-E		Y		Y			--
KFAA91109-I	Y			Y			--
KFAA91110-I	Y		Y	Y			2
KFAA91111-I	Y		Y	Y			2
KFAA91150-I	Y			Y			--
KFAA91151-W		Y		Y			--
KFAA91152-E		Y		Y			--
KFAA91153-Q	Y			Y			--
KFAA91154-I	Y		Y	Y			2
KFAA91155-I	Y			Y			--
KFAA91250-I	Y			Y			--
KFAA91251-Q	Y			Y			--
KFAA91252-E		Y		Y			--
KFAA91253-I	Y			Y			--
KFAA91254-E		Y		Y			--
KFAA91300-I	Y			Y			--
KFAA91301-E		Y		Y			--
KFAA91350-I	Y			Y			--
KFAA91400-I	Y						--
KFAA91401-I	Y						--
KFAA91402-I	Y						--
KFAA91403-E		Y					--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA91404-I	Y						--
KFAA91405-E		Y					--
KFAA91406-I	Y						--
KFAA91407-I	Y						--
KFAA91408-I	Y						--
KFAA91409-I	Y						--
KFAA91410-I	Y						--
KFAA91411-I	Y						--
KFAA91412-E		Y					--
KFAA91413-I	Y						--
KFAA91414-I	Y						--
KFAA91415-W		Y					--
KFAA91450-I	Y						--
KFAA91451-I	Y						--
KFAA91452-I	Y						--
KFAA91453-E		Y					--
KFAA91500-I	Y			Y			--
KFAA91501-E		Y		Y			--
KFAA91502-I	Y		Y	Y			2
KFAA91503-E		Y		Y			--
KFAA91504-W		Y		Y			--
KFAA91550-I	Y						--
KFAA91551-I	Y						--
KFAA91552-I	Y						--
KFAA91553-E		Y					--
KFAA91554-Q	Y						--
KFAA91555-I	Y						--
KFAA91556-I	Y						--
KFAA91557-I	Y						--
KFAA91558-W		Y					--
KFAA91559-Q	Y						--
KFAA91560-I	Y						--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA91561-I	Y						--
KFAA91601-E		Y		Y			--
KFAA91602-I	Y		Y	Y			2
KFAA91603-E		Y		Y			--
KFAA91605-W		Y		Y			--
KFAA91650-I	Y			Y			--
KFAA91651-E		Y		Y			--
KFAA91700-I	Y			Y			--
KFAA91701-I	Y		Y	Y			2
KFAA91702-E		Y		Y			--
KFAA91703-E		Y		Y			--
KFAA91704-E		Y		Y			--
KFAA91750-I	Y			Y			--
KFAA91800-I	Y			Y			--
KFAA91801-I	Y		Y	Y			3
KFAA91802-E		Y		Y			--
KFAA91803-E		Y		Y			--
KFAA91850-I	Y			Y			--
KFAA91851-I	Y		Y	Y			2
KFAA91852-I	Y		Y	Y			2
KFAA91853-E		Y		Y			--
KFAA91854-E		Y		Y			--
KFAA91855-W		Y		Y			--
KFAA91900-I	Y			Y			--
KFAA91901-E		Y		Y			--
KFAA91902-E		Y		Y			--
KFAA92000-E		Y		Y			--
KFAA92001-E		Y		Y			--
KFAA92002-I	Y			Y			--
KFAA92003-E		Y		Y			--
KFAA92004-E		Y		Y			--
KFAA92005-E		Y		Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA93001-I	Y			Y			--
KFAA93002-E		Y		Y			--
KFAA93100-I	Y			Y			--
KFAA93101-I	Y		Y	Y			2
KFAA93102-E		Y		Y			--
KFAA93103-W		Y		Y			--
KFAA96200-I	Y			Y			--
KFAA96201-I	Y			Y			--
KFAA96202-I	Y			Y			--
KFAA96203-E		Y		Y			--
KFAA96204-I	Y		Y	Y			2
KFAA96205-I	Y			Y			--
KFAA96206-I	Y			Y			--
KFAA96207-I	Y			Y			--
KFAA96211-E		Y		Y			--
KFAA96212-E		Y		Y			--
KFAA96213-E		Y		Y			--
KFAA96216-E		Y		Y			--
KFAA96217-E		Y		Y			--
KFAA96218-W	Y			Y			--
KFAA96219-W	Y			Y			--
KFAA96220-E		Y		Y			--
KFAA96221-E		Y		Y			--
KFAA96222-E		Y		Y			--
KFAA96223-E		Y		Y			--
KFAA96224-E		Y		Y			--
KFAA96225-E		Y		Y			--
KFAA96226-E		Y		Y			--
KFAA96227-E		Y		Y			--
KFAA96228-E		Y		Y			--
KFAA96229-E		Y		Y			--
KFAA96230-E		Y		Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA96231-E		Y		Y			--
KFAA96232-I	Y			Y			--
KFAA96233-I	Y			Y			--
KFAA96234-E		Y		Y			--
KFAA96235-E		Y		Y			--
KFAA96236-E		Y		Y			--
KFAA96237-E		Y		Y			--
KFAA96238-E		Y		Y			--
KFAA96239-E		Y		Y			--
KFAA96240-E		Y		Y			--
KFAA96241-E		Y		Y			--
KFAA96242-E		Y		Y			--
KFAA96243-I	Y			Y			--
KFAA96244-W		Y		Y			--
KFAA96245-I	Y			Y			--
KFAA96246-Q	Y			Y			--
KFAA96300-I	Y			Y			--
KFAA96400-I	Y			Y			--
KFAA96401-I				Y			--
KFAA96402-I				Y			--
KFAA96403-I	Y						--
KFAA96404-I	Y						--
KFAA96405-I	Y			Y			--
KFAA96406-I	Y			Y			--
KFAA96407-I	Y			Y			--
KFAA96408-I	Y			Y			--
KFAA96409-I	Y			Y			--
KFAA96410-I	Y			Y			--
KFAA96411-I	Y			Y			--
KFAA96412-I	Y						--
KFAA96413-I	Y			Y			--
KFAA96414-I	Y			Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA96415-I	Y						--
KFAA96416-I	Y						--
KFAA96417-W	Y			Y			--
KFAA96451-E	Y						--
KFAA96452-E	Y						--
KFAA96453-E	Y						--
KFAA96454-E	Y						--
KFAA96455-E	Y						--
KFAA96457-E	Y			Y			--
KFAA96458-E	Y			Y			--
KFAA96460-E	Y						--
KFAA96461-E	Y						--
KFAA96463-E	Y						--
KFAA96464-E	Y						--
KFAA96465-E	Y						--
KFAA96467-E	Y			Y			--
KFAA96468-E	Y						--
KFAA96469-E	Y						--
KFAA96499-I	Y						--
KFAA96600-I	Y			Y			--
KFAA96603-E		Y		Y			--
KFAA96605-E		Y		Y			--
KFAA96606-E		Y		Y			--
KFAA96607-E		Y		Y			--
KFAA96608-E		Y		Y			--
KFAA96609-E		Y		Y			--
KFAA96610-E		Y		Y			--
KFAA96620-E		Y		Y			--
KFAA96700-I	Y			Y			--
KFAA96720-I	Y			Y			--
KFAA96740-I	Y			Y			--
KFAA96760-I	Y			Y			--

2. Messages

Message ID	Message output location						Output level
	Standard output	Standard error output	syslog	Message log file	SQLException	ODBC diagnostic information	
KFAA96763-E		Y		Y			--
KFAA96764-I		Y		Y			--
KFAA96780-I	Y			Y			--
KFAA96785-E		Y		Y			--
KFAA96790-I	Y			Y			--
KFAA96800-I	Y			Y			--
KFAA96820-I	Y			Y			--
KFAA96830-I	Y			Y			--
KFAA96840-I	Y			Y			--
KFAA96850-I	Y			Y			--

Legend:

Y: Message output location

-- or blank: Not applicable

3

Output Codes

This chapter describes the abort codes output by HADB.

3.1 Abort codes

The following table lists the abort codes that indicate the reasons why HADB terminated abnormally.

Table 3-1: List of abort codes

Abort code	Definition
Eha0001	An internal conflict was found. Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.
Ehb0001	
Ehb0002	
Ehb0003	
Ehb0004	
Ehb0005	
Ehb0006	
Ehb0007	
Ehb0008	
Ehb0009	
Ehb0010	
Ehb0011	
Ehc0001	
Ehc0002	
Ehc0003	
Ehc0004	
Ehd0001	The database is corrupted. Restore the database from a backup. If you cannot determine the cause of the database corruption, execute the command <code>adbinfoget</code> to collect troubleshooting information, and then contact the customer support center.
Ehd0002	An internal conflict was found. Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.
Ehd0003	
Ehd0004	
Ehd0005	The database is corrupted. Restore the database from a backup. If you cannot determine the cause of the database corruption, execute the command <code>adbinfoget</code> to collect troubleshooting information, and then contact the customer support center.
Ehd0006	An internal conflict was found. Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.
Ehd0007	The database is corrupted. Restore the database from a backup. If you cannot determine the cause of the database corruption, execute the command <code>adbinfoget</code> to collect troubleshooting information, and then contact the customer support center.
Ehd0008	
Ehd0010	An internal conflict was found. Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.
Ehd0013	
Ehd0020	The database is corrupted. Restore the database from a backup. If you cannot determine the cause of the database corruption, execute the command <code>adbinfoget</code> to collect troubleshooting information, and then contact the customer support center.
Ehd0021	

Abort code	Definition
Ehd0022	An internal conflict was found. Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.
Ehf0001	
Ehf0002	
Ehf0003	
Eh10001	
Eh10002	
Eh10003	
Eh10004	
Eh10005	
Ehm0001	
Ehm0003	The database is corrupted. Restore the database from a backup. If you cannot determine the cause of the database corruption, execute the command <code>adbinfoget</code> to collect troubleshooting information, and then contact the customer support center.
Ehm0004	
Ehm0005	
Ehm0006	
Ehm0008	
Ehm0010	
Ehm0011	An internal conflict was found. Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.
Ehm0012	
Ehm0016	
Ehm0017	
Ehm0018	
Ehm0019	
Ehr0001	
Ehr0002	
Ehr0003	
Ehtbf01	
Ehtbf02	
Ehw0001	
Ehw0002	
Ehw0003	
Ehw0004	
Ehw0005	
Ehw0006	The requested size could not be written. Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.

Abort code	Definition
Ehw0007	The database is corrupted. Restore the database from a backup. If you cannot determine the cause of the database corruption, execute the command <code>adbinfoget</code> to collect troubleshooting information, and then contact the customer support center.
Ehw0008	An internal conflict was found. Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.
Ehw0009	
Ehw0010	
Ehx0001	
Ehx0002	
Ehx0003	
Ehx0004	
Ehx0005	The database is corrupted. Restore the database from a backup. If you cannot determine the cause of the database corruption, execute the command <code>adbinfoget</code> to collect troubleshooting information, and then contact the customer support center.
Ehx0006	
Ehx0007	
Ehx0008	An internal conflict was found. Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.
Ehx0009	
Ehx0010	
Ehx0011	
Ehx0012	The database is corrupted. Restore the database from a backup. If you cannot determine the cause of the database corruption, execute the command <code>adbinfoget</code> to collect troubleshooting information, and then contact the customer support center.
Ehx0013	The requested size could not be written. Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.
Ehx0014	An internal conflict was found. Execute the <code>adbinfoget</code> command to collect troubleshooting information, and then contact the customer support center.
Ehy0001	
Ehy0002	
Ehy0003	
Ehy0004	
Elc0001	
Eli0001	
Eli0002	
Eqa0001	An attempt to write to the audit trail file failed. Take corrective action for the error message that was output to the message log file.

4

SQLSTATE Values

This chapter explains the SQLSTATE values that HADB outputs.

4.1 SQLSTATE output format

SQLSTATE is one of the return codes HADB returns after executing an SQL statement. An SQLSTATE value consists of five digits, where the first two digits indicate a class and the remaining three digits a subclass.

The following table lists the SQLSTATE classes.

Table 4-1: List of SQLSTATE classes

Class	Meaning
00	Normal termination
01	Warning
02	No data satisfies the retrieval condition.
07	Dynamic SQL statement errors
08	HADB server connection errors
21	Cardinality violation
22	Data exception
23	Integrity constraint violation
24	Cursor status errors
40	Errors resulting in transaction rollback
42	Syntax errors or access rule violation
51	SQL function-specific errors (errors caused by specific nonstandard SQL functions)
52	Errors due to an execution environment status that prohibits SQL statement execution
53	Errors due to a system resource status that prohibits SQL statement execution (such as a memory or resource shortage)
54	Error caused by application program settings, processing, attributes, or statuses
56	Limit- or value-related errors
5B	User-requested cancellation
5C	Other system errors
5D	SQLSTATE cannot be obtained.
R2	JDBC driver-related errors

4.2 List of SQLSTATE values

The table below lists the SQLSTATE values that HADB outputs.

If an SQLSTATE value is returned, check the message provided in the Corresponding message column in the following table, and then take the appropriate action.

Table 4-2: List of SQLSTATE values

SQLSTATE value	Summary of the contents	Corresponding message
00000	SQL statement execution has finished.	KFAA32000-I
	The node in which to execute SQL statements is changed.	KFAA32390-I
01004	Data was truncated in data type conversion processing performed by the ODBC driver.	KFAA72005-W
01601	Processing of the SQL statement might require a long time because the SQL statement accesses data in all archived chunks.	KFAA51121-W
01J11	The result set type was changed because the result set type that allows scrolling with updated content is not supported.	KFAA71446-W
01J12	The concurrent processing type was changed for the result set, because updatable result sets are not supported.	KFAA71447-W
01J13	Because CLOSE_CURSORS_AT_COMMIT cannot be specified in the result set holdability, the result set holdability has been changed.	KFAA71454-W
01S07	Data was truncated in data type conversion processing performed by the ODBC driver.	KFAA72005-W
01S51	Characters that could not be converted during character encoding conversion were replaced with hash marks (#).	KFAA72001-W
02000	No rows match the conditions. Another possibility is that row fetching has terminated.	KFAA32100-I
07003	Queries cannot be executed with the CLI function a_rdb_SQLExecDirect(), which performs preprocessing and execution of SQL statements.	KFAA30506-E
07005	SQL statements other than queries whose SQL statement is preprocessed cannot be executed.	KFAA30512-E
07006	An error occurred in data type conversion version processing performed by the ODBC driver.	KFAA72004-E KFAA72006-E
08002	A connection to the HADB server has already been established. Connection processing cannot be re-executed while there is a connection to the HADB server.	KFAA30752-E
08004	The HADB server is not running.	KFAA30723-E
08605	The character encoding of the HADB server and that of the HADB client do not match.	KFAA30990-E
08607	The sort order of the character string data is incorrect.	KFAA31897-E
08608	A command is running that cannot be executed concurrently with another command or application.	KFAA31898-E
08609	The CONNECT statement cannot be executed because the HADB server operation mode is in offline mode.	

SQLSTATE value	Summary of the contents	Corresponding message
0860A	The CONNECT statement cannot be executed because a direct connection to a slave node is being established.	KFAA31898-E
0860B	The CONNECT statement cannot be executed because an attempt to establish a connection to an HADB server-dedicated communication port is in progress.	KFAA31898-E
0860C	The HADB client cannot connect to the HADB server because the versions of the HADB client and HADB server are different.	KFAA30984-E
0860D	A connection to the HADB server cannot be established because the client or command belongs to a client group or command group whose maximum number of concurrent connections is zero.	KFAA31898-E
0860E	The CONNECT statement cannot be executed because the HADB server operation mode is maintenance mode.	
08620	No more connections can be established to the HADB server because the number of connections has reached the maximum for simultaneous connections.	KFAA30932-E
08622	The sort order of the character string data is incorrect.	KFAA31897-E
08623	The CONNECT statement cannot be executed because the HADB client execution environment is invalid.	KFAA31898-E
21502	A cardinality violation occurred.	KFAA30450-E
22001	The input data length is invalid (the input data is longer than the column).	KFAA30404-E
	The character string returned by scalar function TRANSLATE exceeded the permitted data length for execution results.	KFAA30421-E
	The specified scalar function is invalid.	KFAA30453-E
		KFAA31373-E
	An error occurred while executing a scalar function.	KFAA31476-E
22003	An error occurred in data type conversion version processing performed by the ODBC driver.	KFAA72006-E
	The input data falls outside of the range of values for the column's data type.	KFAA30302-E
	The input data for a dynamic parameter is invalid.	KFAA30326-E
	An error occurred while executing a scalar function.	KFAA30421-E
		KFAA31476-E
	The specified scalar function is invalid.	KFAA30453-E
		KFAA31373-E
	An overflow occurred in a numeric data operation.	KFAA30801-E
	An overflow occurred while a set function or a window function was executing.	KFAA30802-E
	The value range for a set function argument is invalid.	KFAA31375-E
	An error occurred in data type conversion version processing performed by the ODBC driver.	KFAA72004-E
		KFAA72006-E
22007	The input data for a dynamic parameter is invalid.	KFAA30326-E
	An error occurred in data type conversion version processing performed by the ODBC driver.	KFAA72004-E

SQLSTATE value	Summary of the contents	Corresponding message
		KFAA72006-E
22008	An overflow error occurred in datetime data.	KFAA30421-E
		KFAA30801-E
		KFAA31476-E
	An error occurred in data type conversion version processing performed by the ODBC driver.	KFAA72006-E
22012	A division by zero error occurred while a scalar function was executing.	KFAA30421-E
		KFAA31476-E
	A division by zero error occurred during an arithmetic operation.	KFAA30800-E
22013	A value specified in the window frame value specification for a window frame border is invalid.	KFAA31301-E
22018	The specified scalar function is invalid.	KFAA30453-E
		KFAA31373-E
	An error occurred while executing a scalar function.	KFAA31476-E
	An error occurred in data type conversion version processing performed by the ODBC driver.	KFAA72004-E KFAA72006-E
22019	The data length of the value expression specified for the escape character is invalid.	KFAA30424-E
2201E	An error occurred while executing a scalar function.	KFAA30421-E
	An out-of-range value was specified in the LN scalar function.	KFAA31476-E
2201F	An error occurred while executing a scalar function.	KFAA30421-E
	An out-of-range value was specified in the POWER or SQRT scalar function.	KFAA31476-E
22505	The input data for a dynamic parameter is invalid.	KFAA30326-E
2250A	The data content of the value expression specified for the escape character is invalid.	KFAA30424-E
2250G	A character string representation used in the scalar function does not match the format specification.	KFAA30361-E
	The format specification in a scalar function is invalid.	KFAA31213-E
	A required element is missing from the format specification of the scalar function.	KFAA31214-E
2250H	An error occurred while executing a scalar function.	KFAA30421-E
	An out-of-range value was specified in a scalar function.	KFAA31476-E
2250I	The data lengths of the arguments specified in the scalar function are different.	KFAA31217-E
22510	The value specified for <i>row-count</i> or <i>offset</i> in the LIMIT clause is invalid.	KFAA31301-E
22521	The indicator value of the input data for a dynamic parameter is invalid.	KFAA30326-E
22522	The specification format of a scalar function is invalid.	KFAA31373-E
22523	An error occurred during check of the path name of the file that will be the input data of the system-defined function.	KFAA31734-E
22524		

SQLSTATE value	Summary of the contents	Corresponding message
22525	The data format of the file that will be the input data of the system-defined function is invalid.	KFAA31735-E
22527	An error occurred in the file that will be the input data of the ADB_CSVREAD function.	KFAA31736-E
22528		
22529		
2252A	An error occurred during check of the path name of the file that will be the input data of the system-defined function.	KFAA31734-E
2252B		
2252C		
23503	An attempt was made to set a null value in a column for which null values cannot be set.	KFAA30210-E
23504	An attempt was made to update or add data that would have resulted in key values of a unique index being duplicated.	KFAA30803-E
24504	The cursor has not been opened.	KFAA30501-E
24505	An attempt was made to open a cursor that is already open.	KFAA30502-E
24506	Preprocessing was requested for a query that has a cursor open.	KFAA30505-E
24511	The cursor has not been closed.	KFAA31515-E
24512	There is a dynamic parameter for which no value is set.	KFAA31307-E
24513	An error has already occurred in the opened cursor.	KFAA31310-E
25006	The SQL statement could not be executed because the transaction access mode is read-only.	KFAA31524-E
28501	The specified password violates the password specification rules.	KFAA30560-E
28502	The specified authorization identifier or password is invalid.	KFAA30561-E
40503	No more pages can be created because the DB area file cannot be expanded.	KFAA30756-E
40508	An attempt was made to access an index that was in unfinished status.	KFAA30879-E
4050D	An attempt was made to access a table that is in non-updateable status due to a suspended command.	KFAA30889-E
4050G	An error occurred during lock processing.	KFAA30913-E
4050P	Processing to reserve a lock timed out.	KFAA30914-E
4050Q	An attempt was made to update or delete a row that is being updated or deleted by another transaction.	KFAA31713-E
40518	The row length of the work table has exceeded the upper limit.	KFAA30808-E
40528	An error occurred in processing on a file or directory.	KFAA30959-E
40602	No global buffer has been assigned to the DB area.	KFAA30918-E
40701	Processing cannot continue because there are not enough buffer sectors.	KFAA30919-E
40704	The global buffer is temporarily unavailable.	KFAA30953-E
40801	No new table or index can be defined in the data DB area because the maximum number of chunks that can be managed by one data DB area was exceeded. Another possibility is that the maximum number of chunks for the table defined in the data DB area cannot be increased.	KFAA31727-E

SQLSTATE value	Summary of the contents	Corresponding message
40802	The specified chunk ID does not exist in the table.	KFAA31728-E
40803	The chunk ID of the current chunk cannot be specified in the PURGE CHUNK statement.	KFAA31729-E
40804	The ALTER TABLE statement cannot be executed because the maximum number of chunks specified in the ALTER TABLE statement is less than the number of chunks that have already been created in the table.	KFAA31730-E
40820	The number of user log files has reached its upper limit.	KFAA31711-E
40900	The number of base tables, indexes, viewed tables, or HADB users exceeded the maximum number defined for the system.	KFAA30811-E
40910	The number of tables or indexes has exceeded the maximum that can be stored in a single DB area.	KFAA30812-E
40920	The page being recovered for database update processing was accessed during the master node switchover processing.	KFAA31733-E
42501	The length of a character string literal exceeds 32,000 bytes.	KFAA30102-E
42502	The length of a binary literal exceeds the maximum allowed value.	KFAA30145-E
42505	A character string literal is incomplete.	KFAA30106-E
42509	A binary literal specification is invalid.	KFAA30144-E
42510	An SQL statement contains an error such as one of the following: <ul style="list-style-type: none"> • A name contains a character that cannot be specified (such as a character encoding mismatch). • A name with a length of 0 exists. • The statement contains a character or keyword that is not allowed by the syntax. 	KFAA30104-E
42511	The numeric literal that was specified is invalid.	KFAA30410-E
42512	The specification format of the floating-point numeric literal is invalid.	KFAA30103-E
42513	A numeric literal that is outside the specification range was specified.	KFAA30405-E
42520	The length of a name exceeds 100 bytes. Another possibility is that a keyword was specified incorrectly.	KFAA30107-E
42529	The length of the authorization identifier is outside the range of 1 to 100 bytes.	KFAA30564-E
42530	An SQL statement contains an error such as one of the following: <ul style="list-style-type: none"> • The first keyword of the SQL statement is invalid. • The only character is a separator character. 	KFAA30104-E
42532	The following syntax error was found in the identifier specified for the national character set: <ul style="list-style-type: none"> • A double-byte space character was used. 	KFAA30142-E
42539	The specified authorization identifier contains at least one of the following errors: <ul style="list-style-type: none"> • A character that is not an alphanumeric character was specified. • A character that cannot be specified with normal identifiers was specified. 	KFAA30564-E
42550	A dynamic parameter is specified at an invalid location.	KFAA30418-E
42561	The specified predicate is invalid.	KFAA30114-E
42572	The specified ROW is invalid.	KFAA30149-E

SQLSTATE value	Summary of the contents	Corresponding message
42590	The length, precision, or scale of a data type is invalid.	KFAA30604-E
42591	The fractional seconds precision specified for the datetime information acquisition function is invalid.	KFAA30131-E
425A0	The specified number exceeds the maximum allowed value.	KFAA30129-E
425A4		
425A6		
425A7		
425A8		
425A9		
425AA		
425AI		
425B0		
425B1		
425B2	The number of grouping columns specified in a GROUP BY clause exceeds the maximum allowed value.	KFAA30122-E
425B3	The number of specified sort keys exceeds the maximum allowed value.	KFAA30124-E
425B5	The specified value exceeds the maximum allowed value.	KFAA30129-E
425B6		
425B7		
425BB		
425BC		
425BG	The number of value expressions specified in a window partition clause exceeds the maximum allowed value.	KFAA30122-E
425BJ	The specified number exceeds the maximum allowed value.	KFAA30129-E
425C0	The number of columns in the table exceeds the upper limit of 1,000.	KFAA30602-E
425C1	The specified value exceeds the maximum allowed value.	KFAA30129-E
425C2		
425C6	The number of columns in a multiple-column index exceeds the upper limit of 16. Another possibility is that the number of columns making up the primary key exceeds the upper limit of 16.	KFAA30617-E
425CA	The specified value exceeds the maximum allowed value.	KFAA30129-E
425CD	The number of columns constituting a foreign key exceeds the maximum of 16.	KFAA30617-E
425CF	The specified value exceeds the maximum allowed value.	KFAA30129-E
425CG		
425CH		
425CK	The number of specifications exceeds the maximum allowed.	KFAA31129-E

SQLSTATE value	Summary of the contents	Corresponding message
425CL	A delimited identifier that contains left or right parentheses can be specified only in the first query specification in the SELECT statement. However, a delimited identifier that contains left or right parentheses cannot be specified for a query specification in the WITH clause.	KFAA31131-E
425CM	Although NULL is specified in the selection expression in a query specification, an error occurred in the SELECT statement because the conditions of available specifications are not met.	KFAA31132-E
425D0	No column definition is specified in the CREATE TABLE statement.	KFAA30678-E
425D4	An option was illegally specified more than once in a table or index definition.	KFAA30673-E
425D5	A value outside the valid range was specified for a table option in the CREATE TABLE or ALTER TABLE statement, or for an index option in the CREATE INDEX statement.	KFAA30705-E
425D7	A privilege specified in the GRANT or REVOKE statement is duplicated.	KFAA30572-E
425Q0	The specification of the maximum-number-of recursions specification is invalid.	KFAA31135-E
42601	An extra character string exists after the SQL statement.	KFAA30104-E
42602	An SQL statement contains a syntax error.	KFAA30105-E
42603	An SQL statement is incomplete.	KFAA30106-E
42703	The value specified for labeled duration is invalid.	KFAA31405-E
42705	The data type or length of a column is invalid. A value expression whose result has a data length of 0 was specified.	KFAA31205-E
42710	The aggregated argument specified in a set function is invalid. Another possibility is that the argument specified in a window function is invalid.	KFAA30112-E
42711	A set function is specified in an argument of a set function.	KFAA30113-E
42712	The data type of an aggregated argument in a set function is invalid. Another possibility is that the data type of an argument in an inverse distribution function is invalid.	KFAA30402-E
42713	The specified set function is invalid.	KFAA30403-E
42714	A set function or a window function is specified at an invalid location.	KFAA30120-E
42715	A subquery is specified at an invalid location.	KFAA30154-E
42716	The SELECT DISTINCT and DISTINCT set functions are both specified.	KFAA30127-E
42717	Multiple DISTINCT set functions containing different column names in the arguments are specified.	
42718	Another DISTINCT set function is specified in addition to a DISTINCT set function specified in the value expression of an argument.	
42720	The number of columns to be inserted does not match the number of values to be inserted.	KFAA30117-E
42721	In a specified set operation, the tables derived from individual query expression bodies do not have the same number of columns.	KFAA30195-E
42722	Two or more selection expressions have been specified for a retrieval item.	KFAA30192-E
42723	There is an error in the specified CREATE VIEW statement. The number of column names specified in the column name list differs from the number of columns for the table that is derived from the query expression.	KFAA30650-E

SQLSTATE value	Summary of the contents	Corresponding message
42730	A name is duplicated within a FROM clause.	KFAA30211-E
42731	An update column or insertion column is duplicated.	KFAA30121-E
42732	A column specification is duplicated.	KFAA30123-E
42733	A query name was specified more than once in a WITH clause.	KFAA30458-E
42734	A column name is duplicated in a viewed table.	KFAA30459-E
42736	A column used as a sort key specified in the ORDER BY clause is duplicated.	KFAA31123-E
42737	The specified viewed table has a view level that cannot be specified in the CREATE VIEW statement.	KFAA31219-E
42740	The qualifying table specification contains a name that is not valid to specify in an SQL statement.	KFAA30201-E
42741	The specified table or index has not been defined.	KFAA30204-E
42742	The specified column does not exist in any table of the SQL statement or query specification. Another possibility is that the name is invalid.	KFAA30202-E
	The specified column was not found in a table, correlation name, or query in a FROM clause.	KFAA30205-E
	There are no target candidates for the specified identifier within the valid range.	KFAA30239-E
42743	The sort item specification number specified in an ORDER BY clause is invalid.	KFAA30125-E
	A column that is not specified in the selection expression cannot be specified in the ORDER BY clause due to one of the following reasons: <ul style="list-style-type: none"> • SELECT DISTINCT has been specified in a selection expression. • A set operator for the outermost query specification is specified. 	KFAA30208-E
42744	The table to which the specified column name belongs cannot be determined.	KFAA30203-E
	There are two or more corresponding tables in a query with ROW specified.	KFAA30213-E
42745	A column specified in an ORDER BY clause is found more than once in a table derived as a result of a query.	KFAA30220-E
42746	The specified SQL statement contains the following error: <ul style="list-style-type: none"> • In a query using a GROUP BY clause or set function specification, the column specification in a selection expression, HAVING clause, or ORDER BY clause must be specified as an argument of the GROUP BY clause or set function. 	KFAA30119-E
42750	ROW is specified for a table that is not a FIX table.	KFAA30214-E
42767	The specification of the chunk ID is invalid.	KFAA31209-E
42768		
42769		
4276B		
4276C		
4276D		
4276E		

SQLSTATE value	Summary of the contents	Corresponding message
4276F		
42770	A dynamic parameter is specified at an invalid location in a predicate.	KFAA30417-E
42771	A dynamic parameter is specified at an invalid location in an operation.	KFAA30419-E
4277E	The specification of the system-defined function is invalid.	KFAA30177-E
4277F		
4277G		
42780	A data type that cannot be specified in a datetime operation was specified with an arithmetic operator. Labeled durations can only be specified for the operands of addition and subtraction operations on datetime data.	KFAA30413-E KFAA30414-E
42782	The argument specified in the scalar function is invalid.	KFAA30425-E
42784	The specified CASE expression is invalid.	KFAA30448-E
42785	The argument specified in the scalar function is invalid.	KFAA30453-E
42786	The specification of the system-defined function is invalid.	KFAA30177-E
42787	The datetime format specified in a scalar function is not compatible with the time data.	KFAA31212-E
42788	The data type of an argument is invalid in the LTRIM, RTRIM, or TRIM scalar function.	KFAA31425-E
42789	The format specification in a scalar function is invalid.	KFAA31213-E
4278A		
4278B		
4278C		
4278D		
4278E	The data length of an argument in the REPLACE scalar function is invalid.	KFAA31425-E
4278G	The specification of the labeled duration is invalid.	KFAA30415-E
4278H		
4278I		
4278J	The specification method of the scalar function is invalid.	KFAA31235-E
4278K		
4278M		
4278N		
4278O	The specified scalar function is invalid.	KFAA31234-E
4278P		
4278Q		
4278R	The length of the regular expression character string specified in the LIKE_REGEX predicate is invalid.	KFAA31424-E
4278S	The specified scalar function LTDECODE is invalid.	KFAA31226-E

SQLSTATE value	Summary of the contents	Corresponding message
42793	The table to be updated cannot be specified as a table from which data is to be retrieved.	KFAA30118-E
427A0	The depth of nesting of the operation exceeded 255. Another possibility is that the SQL statement could not be executed because of a restriction on system processing.	KFAA30101-E
427A2	The number of value expressions specified in an IN predicate has exceeded the upper limit of 30,000.	KFAA30137-E
427A3	CURRENT_USER_IS_DBA is specified, but this character string is not permitted.	KFAA31203-E
427A4	The insertion value specified in an INSERT statement is invalid.	KFAA31206-E
427A5	The null-value sort order specification cannot be specified in the sort specification list.	KFAA31126-E
427A6	The number of set operations specified in an SQL statement that include EXCEPT or INTERSECT exceeds the maximum of 63 that can be specified.	KFAA31210-E
427B2	For a query that uses a set operation, a column name qualified in the table specification cannot be specified as a sort key.	KFAA30194-E
427B3	A viewed table cannot be defined with another viewed table as its underlying table.	KFAA30655-E
	The TRUNCATE TABLE statement cannot be executed on a viewed table.	KFAA30677-E
427B4	The PURGE CHUNK statement cannot be executed on a single-chunk table or viewed table.	KFAA30677-E
427B5	No chunk ID is specified in the PURGE CHUNK statement.	KFAA31215-E
427B6	For a query that uses a set operation, no value expression can be specified in the ORDER BY clause.	KFAA30194-E
427B7	No more than one sort key can be specified in this function.	KFAA31124-E
427B9	The specified inverse distribution function is invalid.	KFAA31127-E
427BA		
427BB		
427BC	A column in the table where chunks are to be deleted is specified in the PURGE CHUNK statement.	KFAA31215-E
427D3	A WITH clause specification is invalid.	KFAA31204-E
427G0	A window function specification is invalid.	KFAA30257-E
427G1		
427G2		
427G3		
427G4		
427G5		
427H0	A window function specification is invalid.	KFAA30264-E
427H1		
427H2		

SQLSTATE value	Summary of the contents	Corresponding message
427H3	A window function specification is invalid.	KFAA31120-E
427H4	The number of window functions specified in the query specification or the ORDER BY clause exceeds 8.	KFAA31125-E
427HA	The value expression in the following location contains no column specification. <ul style="list-style-type: none">• Window partition clause	KFAA30166-E
427HC	The sort key specified in an ORDER BY clause is invalid.	
427HD	Sort item specification numbers for ROW cannot be specified.	KFAA30126-E
427HE	For a query that specifies SELECT DISTINCT, no value expression can be specified in the ORDER BY clause.	KFAA30194-E
427I0	If AS <i>column-name</i> is specified in the GROUP BY clause, a value expression containing only column specifications cannot be specified in the GROUP BY clause.	KFAA31202-E
427I3	The specified LIMIT clause is invalid.	KFAA31216-E
427I4		
427I5	If AS <i>column-name</i> is specified in the GROUP BY clause, the grouping column name cannot be referenced from a subquery in the HAVING clause or selection expression.	KFAA31201-E
427I6	The specified LIMIT clause is invalid.	KFAA31216-E
427I7	Table names of table references specified in the outermost query specification cannot be referenced from subqueries in ORDER BY clauses.	KFAA31207-E
427I8	A FULL OUTER JOIN specification is invalid.	KFAA31128-E
427I9	The specified multiset value expression is invalid.	KFAA30323-E
427IA		
427J0	An argument specified in the ADB_CSVREAD function is invalid.	KFAA30324-E
427J1		
427J2		
427J3		
427J4		
427J5		
427J6		
427J7		
427J8		
427J9		
427JA	The table function column list specified in the table function derived table is invalid.	KFAA31239-E
427K0	The specification of the table function derived table with the system-defined function specified is invalid.	KFAA31240-E
427K1	The argument specified in the system-defined function is invalid.	KFAA31241-E

SQLSTATE value	Summary of the contents	Corresponding message
427K2		
427K5	A multiset value constructor by query cannot be specified as an argument of the ADB_AUDITREAD function.	KFAA31242-E
427K6	There is a problem with the audit trail file path names (that contain special characters) specified as the argument of the ADB_AUDITREAD function.	KFAA31243-E
427K7		
427L0	The numbers of row value constructor elements specified in the row value constructors do not match.	KFAA31260-E
427M0	The specified row value constructor element is invalid.	KFAA31261-E
427M1	A dynamic parameter alone cannot be specified in a row value constructor element.	KFAA31262-E
427N0	The recursive member contains an item that cannot be specified.	KFAA31470-E
427N1	The data type and data length of the column derived from the anchor member are different from those of the column derived from the recursive member.	KFAA31471-E
427N5	The specification of the recursive query is invalid.	KFAA30464-E
427N6		
427N7		
427N8		
42801	The data types of the results of the value expressions specified in a predicate cannot be compared to each other or converted.	KFAA30401-E
	The data type of a value expression specified in a predicate is not character string data.	KFAA30407-E
42802	An invalid data type is specified in the operand of an operator.	KFAA30406-E
	An invalid data type was specified in the first or second operand of a concatenation operation.	KFAA30411-E
42803	The data type of the update value or insertion value is not a data type that can be converted.	KFAA30408-E
42804	A set operation specification is invalid.	KFAA30197-E
42806	The data types of the results of value expressions specified for THEN and ELSE in a CASE expression are not compatible.	KFAA30447-E
42807	The specified scalar function is invalid.	KFAA30453-E
4280F	A window function specification is invalid.	KFAA30257-E
42812	The maximum length of the result of an operation exceeds 32,000 bytes.	KFAA30420-E
42819	The data length of an argument specified in the scalar function exceeds the maximum byte length.	KFAA31420-E
42820	Permission to access the specified schema or schema object has not been granted.	KFAA30548-E
42849	A table function derived table with the system-defined function specified cannot be specified.	KFAA30467-E
42850	No dynamic parameter can be specified in a view definition.	KFAA30651-E
42870	An attempt was made to perform an operation that cannot be performed on a table.	KFAA30670-E

SQLSTATE value	Summary of the contents	Corresponding message
42875	The SQL statement specification is invalid.	KFAA31280-E
428A3	A viewed table cannot be defined with a dictionary table or a system table as its underlying table.	KFAA30547-E
428F0	An index specification is invalid.	KFAA31208-E
428F1		
428F5	The specified subquery processing method specification is invalid.	KFAA31223-E
428T0	The specified scalar function CONTAINS contains an error.	KFAA34002-E
428T1		
428T2	A notation-correction-search specification cannot be specified because the character encoding used by the HADB server is Shift-JIS (if the value specified for the environment variable ADBLANG is SJIS).	KFAA34003-E
428T3	A regular expression specified for a regular expression character string in the LIKE_REGEX predicate is invalid.	KFAA34004-E
428T4		
428T5		
428T6		
428T7	The synonym dictionary specified in the scalar function CONTAINS does not exist.	KFAA34005-E
428T8	The synonym dictionary specified in the scalar function CONTAINS does not support a correction search.	KFAA34006-E
428T9	A synonym search cannot be performed if the multi-node function is used.	KFAA34007-E
428TA	The specified scalar function CONTAINS contains an error.	KFAA34002-E
428TB		
428TC		
42929	A viewed table contains a column for which no derived column name has been set, and the column name specification was omitted.	KFAA30460-E
4292A	This viewed table cannot be accessed because it is invalidated.	KFAA30454-E
42932	The specified environment variable is invalid.	KFAA30724-E
429D9	The data type of <i>row-count</i> or <i>offset</i> in the LIMIT clause is invalid.	KFAA31301-E
42I01	An SQL statement contains an error similar to the following: <ul style="list-style-type: none"> • A viewed table is specified in the ALTER TABLE statement. • A base table is specified in the ALTER VIEW statement. • A viewed table is specified in the CREATE INDEX statement. • A viewed table is specified in the DROP TABLE statement. • A base table is specified in the DROP VIEW statement. 	KFAA30206-E
42I05	The specified schema object does not exist.	KFAA30437-E
42I08	The authorization identifier or schema name specification is invalid.	KFAA30549-E
42I13	The table name, index name, or constraint name specified in one of the following SQL statements is already in use: <ul style="list-style-type: none"> • ALTER TABLE statement • CREATE TABLE statement 	KFAA30601-E

SQLSTATE value	Summary of the contents	Corresponding message
	<ul style="list-style-type: none"> CREATE INDEX statement CREATE VIEW statement 	
42I14	The following operations cannot be performed for a FIX table: <ul style="list-style-type: none"> Define a column of the variable-length data type. Specify the chunk-archive specification. Define a table as a column store table. 	KFAA30609-E
42I15	A column name has been used more than once.	KFAA30612-E
42I16	A column that cannot be defined for a B-tree index was specified as an indexed column for a B-tree index.	KFAA30614-E
42I18	An error occurred in an SQL statement because a column name was specified more than once.	KFAA30619-E
42I26	The schema does not exist.	KFAA30656-E
42I29	An index with the same structure already exists.	KFAA30661-E
42I30	A schema with the same name already exists.	KFAA30664-E
42I44	An SQL statement was executed with RESTRICT specified for the drop behavior, but the SQL statement resulted in an error for one of the following reasons: <ul style="list-style-type: none"> An attempt was made to delete base tables for which indexes or constraints were defined. An attempt was made to delete schemas for which tables were defined. An attempt was made to delete a table on which viewed tables depend. 	KFAA30695-E
42I53	A foreign key cannot be defined because the referenced table has no primary key defined for it.	KFAA30742-E
42I54	The configuration of a foreign key differs from that of the primary key that the foreign key accesses.	KFAA30743-E
42I55	A foreign key cannot be defined for one of the following reasons: <ul style="list-style-type: none"> The referenced table specified is not a base table The referenced table is the same as the referencing table 	KFAA30744-E
42I60	The null-value exclusion specification (EXCLUDE NULL VALUES) cannot be specified due to one of the following reasons: <ul style="list-style-type: none"> The null-value exclusion specification is specified for an index that is not a B-tree index. The indexed columns include a column for which the NOT NULL constraint is specified. 	KFAA30758-E
42I72	A DEFAULT clause specification is invalid.	KFAA30798-E
42I75	A CREATE INDEX statement, an ALTER TABLE or a CREATE TABLE statement cannot be executed.	KFAA31600-E
42I77	Multiple referential constraints that access the same primary key cannot be defined from the same column or from the same group of multiple columns (even if the column order is different).	KFAA31602-E
42IA6	An invalid option is specified in an index definition.	KFAA31650-E
42IA7	Multiple indexed columns are specified in an index definition.	KFAA31651-E
42IA8	A column for which a range index cannot be defined is specified as an range-indexed column.	KFAA31652-E
42IA9	An attempt is made to define a unique index for a multi-chunk table.	KFAA31653-E

SQLSTATE value	Summary of the contents	Corresponding message
42IAA	The specified table option is invalid.	KFAA31684-E
42IAB	The specified option is invalid.	KFAA31685-E
42IAC	A column with the NOT NULL constraint specified cannot be added to a base table to which segments for storing rows are assigned.	KFAA30630-E
42IAD	The maximum number of chunks was not specified in the chunk specification when the base table was defined by using the CREATE TABLE statement. Therefore, the ALTER TABLE statement cannot be used to change the maximum number of chunks.	KFAA31654-E
42IAE	The specified ALTER TABLE statement is invalid. Neither the maximum number of chunks nor the chunk-archive specification is specified.	KFAA31655-E
42IAF	If the chunk specification is specified, a primary key cannot be defined. Conversely, if a primary key is defined, the chunk specification cannot be specified.	KFAA31657-E
42IB0	The DROP INDEX statement cannot be used to delete the indexes that correspond to the primary key. Alternatively, the DROP INDEX statement cannot be used to delete the range indexes that are automatically defined for archive range columns.	KFAA31658-E
42IB2	A text index cannot be defined for columns.	KFAA31659-E
42IB3	The following index option cannot be specified for an index other than a text index: <ul style="list-style-type: none">• Notation-correction-search text-index specification	KFAA31660-E
42IB4	Columns of the following data types cannot be specified as archive range columns: <ul style="list-style-type: none">• CHARACTER type with a definition length of 33 or more bytes• VARCHAR type• BINARY type• VARBINARY type	KFAA31665-E
42IB5	The length of the path name of the specified archive directory is not in the range from 1 to 400 bytes.	KFAA31666-E
42IB6	The specified archive directory is not an absolute path.	
42IB7	The notation-correction-search text-index specification (CORRECTIONRULE) cannot be specified because the character encoding used on the HADB server is Shift-JIS (if the value specified for the environment variable ADBLANG is SJIS).	KFAA31667-E
42IB8	The specified ALTER TABLE statement is invalid. Change of the maximum number of chunks and the chunk-archive specification cannot be specified at the same time.	KFAA31668-E
42IB9	The chunk-archive specification in the ALTER TABLE statement cannot be specified for an archivable multi-chunk table.	KFAA31669-E
42IBA	The chunk-archive specification in the CREATE TABLE statement or ALTER TABLE statement is invalid.	KFAA31550-E
42IBB	The chunk-archive specification in the ALTER TABLE statement is invalid.	KFAA31551-E
42IBC	The NOT NULL constraint (NOT NULL) is not defined for the column specified for RANGECOLUMN in the chunk-archive specification in the ALTER TABLE statement.	KFAA31552-E

SQLSTATE value	Summary of the contents	Corresponding message
42IBD	The chunk-archive specification in the ALTER TABLE statement cannot be specified for a single-chunk table.	KFAA31553-E
42IBE	The column name cannot be changed by using the ALTER TABLE statement because the current column name is the same as the new column name.	KFAA31554-E
42IBF	The archivable multi-chunk table could not be changed to a regular multi-chunk table because an error occurred in the ALTER TABLE statement.	KFAA31555-E
42IC0	TEXT WORDCONTEXT is not specified for the index type. Therefore, a text-index delimiter specification cannot be specified.	KFAA31686-E
42IC1	The table for which you are attempting to define a text index is a column store table.	KFAA31653-E
42K01	The table to be searched cannot be referenced because you do not have the required privileges.	KFAA30550-E
42K02	The SQL statement cannot be executed because the user who executed the SQL statement is invalid.	KFAA30551-E
42K03	The DBA privilege is required to perform the attempted operation.	KFAA30552-E
42K05	An attempt was made to revoke a privilege that cannot be revoked by that same user.	KFAA30555-E
42K06	The operation by a GRANT or REVOKE statement could not be performed.	KFAA30556-E
42K07	A nonexistent authorization identifier is specified.	KFAA30559-E
42K10	The schema definition privilege cannot be deleted because the HADB user having the authorization identifier specified in the REVOKE statement owns the schema.	KFAA30577-E
42K12	An attempted operation requires the schema definition privilege.	KFAA30579-E
42K14	Schema belonging to other HADB users cannot be changed.	KFAA30607-E
42K19	The HADB user having the authorization identifier specified in the DROP USER statement cannot be deleted.	KFAA30562-E
42K26	The privilege cannot be revoked because RESTRICT is specified for the drop behavior.	KFAA31436-E
42K30	An attempt is made to grant privileges that cannot be granted to the same HADB user.	KFAA31670-E
42K33	The password of an HADB user who has the audit privilege cannot be changed by other HADB users.	KFAA31673-E
42K35	You do not have the privilege required to perform operations relating to the audit trail facility.	KFAA31675-E
42K38	The audit target specified in the CREATE AUDIT statement is already defined.	KFAA31678-E
42K39	The audit target definition specified in the DROP AUDIT statement does not exist.	KFAA31679-E
42K43	The specified authorization identifier is already in use.	KFAA30566-E
5100J	An error occurred when an SQL statement that uses hash tables was executing.	KFAA31372-E
5100K	An attempt to execute the DELETE statement for the archivable multi-chunk table caused an error because the specified search condition did not meet the execution condition of the DELETE statement.	KFAA31376-E

SQLSTATE value	Summary of the contents	Corresponding message
	Alternatively, an attempt to execute the UPDATE statement for the archivable multi-chunk table caused an error because the specified search condition did not meet the execution condition of the UPDATE statement.	
5100L	The number of recursions in the recursive query exceeds the maximum number of recursions.	KFAA31377-E
52004	No SQL statements can be executed because the HADB server is being started or terminated.	KFAA30727-E
52011	The operation relating to the audit trail facility cannot be performed because the audit trail facility is disabled.	KFAA30575-E
5201F	An application program cannot connect to the HADB server on a kernel or OS version that is not supported by HADB.	KFAA31893-E
52020	The SQL statement cannot be executed because a uniqueness constraint violation occurred on a B-tree index between the time the preprocessing of the SQL statement began and the time the SQL statement was executed.	KFAA31714-E
52320	The connection to the HADB server was closed.	KFAA30722-E
52321	Invalid data was received from the HADB server.	
52322	The address of the target host could not be acquired.	KFAA30723-E
52324	One of the following failures was detected: <ul style="list-style-type: none"> • A failure occurred on the network. • The HADB server terminated abnormally and the connection was closed. • The connection was closed because the HADB client version differs from the HADB server version. 	
52325	A security violation occurred in the JDBC driver.	
52326	A timeout occurred while connecting to the HADB server or during data transmission.	
52328	A system call error occurred during communication processing.	
52330	An error occurred in the application program or command because HADB server processing did not terminate when the timeout period expired.	KFAA30732-E
52401	The SQL statement cannot be executed because another SQL statement or command has locked a resource that the SQL statement needs to execute.	KFAA31371-E
52402	The dictionary table (base table) cannot be accessed because a transaction is using the dictionary table (base table).	KFAA31648-E
52403	The specified operation cannot be performed because a locked resource is being used by another operation.	KFAA31656-E
52404		
53021	Columns cannot be added to the target table.	KFAA30613-E
53024	A definition SQL statement cannot be executed because the table definition information is in use.	KFAA30692-E
53026	The table definition information for a slave node could not be invalidated.	KFAA31661-E
53027	The SQL statement cannot be executed because the table is being referenced in the same transaction.	KFAA31662-E
53028	The SQL statement or the command cannot be executed due to contention of the locked resource.	KFAA31663-E
53029	The definition SQL statement cannot be executed because a ResultSet object exists.	KFAA31664-E

SQLSTATE value	Summary of the contents	Corresponding message
5302A	A directory that does not exist is specified as an archive directory.	KFAA31666-E
5302B	A directory that cannot be specified as an archive directory is specified.	
5302C	A directory for which the HADB administrator does not have <code>read</code> , <code>write</code> , and execution permissions is specified as an active directory. Alternatively, the archive directory path contains a directory for which the HADB administrator does not have execution permission.	
5302D	Link destinations for the symbolic link specified in the archive directory cannot be acquired.	
5302E	An error occurred in a system call.	
53030	The server message log file is full.	KFAA31896-E
53031	The client message log file is full.	
53040	A descriptor shortage occurred.	KFAA30723-E
53041	Allocation of communication port numbers failed.	
53050	An error occurred during operation on the synonym dictionary file.	KFAA34008-E
53051	Data retrieval by using the text index is not available. Alternatively, the text index cannot be updated.	KFAA34009-E
53201	A memory shortage occurred in a client library.	KFAA30723-E
	An attempt to acquire enough memory to execute the SQL statement has failed.	KFAA30930-E
54001	An argument of a CLI function is invalid.	KFAA30565-E
		KFAA31306-E
54006	An analysis of the client definition has failed.	KFAA30824-E
54009	Execution of an SQL statement was requested before preprocessing of the SQL statement had terminated normally.	KFAA30901-E
54012	The following functions cannot be used on statement handles prepared for execution of statements other than <code>DELETE</code> , <code>INSERT</code> , and <code>UPDATE</code> statements: <ul style="list-style-type: none"> • Batch update functionality of the JDBC driver • Update using batch binding of dynamic parameters of the CLI function (<code>a_rdb_SQLBindArrayParams()</code>) 	KFAA30873-E
54013	An SQL statement is already executing on the same connection.	KFAA31898-E
54014	Transactions cannot be started because a read-only transaction is being executed on an HADB server in a multi-node configuration.	
54016	Transactions cannot be started because a read/write transaction or command is being executed on an HADB server in a multi-node configuration.	
54017	The transaction cannot be executed because a command is executing or because another transaction is being executed by an application program.	KFAA31719-E
54018	An update SQL statement or definition SQL statement cannot be executed because the HADB server operation mode is quiescence mode.	KFAA31898-E
54020	A retrieval SQL statement resulted in an error.	
54201	An SQL statement cannot be executed because no connection has been established to the HADB server.	KFAA30563-E

SQLSTATE value	Summary of the contents	Corresponding message
54202	An SQL statement that uses this connection is already being executed.	KFAA30319-E
54203	The following items cannot be set because no connection has been established: <ul style="list-style-type: none"> • Transaction isolation level • Sort order of character string data • Transaction access mode • Additional user information 	KFAA31897-E
54204	The following items cannot be set because the transaction has already started: <ul style="list-style-type: none"> • Transaction isolation level • Sort order of character string data • Transaction access mode • Additional user information 	
54205	The specified character string data sort order is invalid.	
54206	The following items cannot be set because the cursor is already opened: <ul style="list-style-type: none"> • Transaction isolation level • Sort order of character string data • Transaction access mode • Additional user information 	
56001	The total length of data specified in a dynamic parameter exceeds 2 gigabytes. Another possibility is that the total length of data in the retrieval result exceeds 2 gigabytes.	KFAA30312-E
56006	The total memory required to execute the SQL statement exceeds 2 gigabytes.	KFAA30229-E
56007	The length of a B-tree index key exceeds the maximum value.	KFAA30616-E
56009	The CREATE TABLE or ALTER TABLE statement cannot be executed because the size of the area required to store a row exceeds the page size.	KFAA30657-E
5600B	The number of indexes that can be defined for a single table has exceeded the upper limit of 32.	KFAA30706-E
5600C	The number of foreign keys that reference a primary key exceeded 255.	KFAA30748-E
5600E	The SQL statement length has exceeded the upper limit of 16,000,000 bytes, or the length is invalid.	KFAA30821-E
	The length of a CREATE VIEW statement exceeds 64,000 bytes.	KFAA31121-E
56020	An invalid statement handle is specified.	KFAA30805-E
56033	The number of statement handles has exceeded the upper limit of 4,095.	KFAA30931-E
56034	The total data length of dynamic parameters exceeds 32,000,000 bytes.	KFAA31218-E
58005	The DB area specified in the following SQL statements or the assumed DB area does not exist: <ul style="list-style-type: none"> • CREATE TABLE statement • CREATE INDEX statement • ALTER TABLE statement 	KFAA30652-E
58006	The specified or assumed DB area is not a data DB area.	KFAA30653-E
58024	The data DB area for storing tables or indexes is not specified in the CREATE TABLE or CREATE INDEX statement.	KFAA31696-E
5B002	Processing of the SQL statement or command was canceled and the transaction was rolled back.	KFAA30955-E

SQLSTATE value	Summary of the contents	Corresponding message
5C002	A character encoding conversion error occurred.	KFAA72000-E
	An error occurred in data type conversion version processing performed by the ODBC driver.	KFAA72004-E
		KFAA72006-E
5C011	An internal conflict was found.	KFAA30318-E
		KFAA30322-E
		KFAA30720-E
5C015	Invalid data was received from the HADB server.	KFAA30733-E
5C034	Invalid data was received from an HADB client (including a JDBC driver) or command.	KFAA31895-E
5C035	An internal conflict was detected in the ODBC driver.	KFAA72099-E
5C036	The specified input data whose setting was requested is invalid.	--
	An error occurred in data type conversion version processing performed by the ODBC driver.	KFAA72006-E
5C037	The specified input data whose setting was requested is invalid.	--
	An error occurred in data type conversion version processing performed by the ODBC driver.	KFAA72004-E
5C038	There is an error in the area specified for receiving acquired result data.	--
	An error occurred in data type conversion version processing performed by the ODBC driver.	KFAA72004-E
5C039	There is an error in the area specified for receiving acquired result data.	--
5C03A	The transaction was rolled back because an error occurred in one of the statement handles used in the transaction.	KFAA31894-E
5C041	A data type that is not supported by the ODBC driver was specified in an SQL statement.	--
5C051	The length of an SQL statement exceeded 16,000,000 characters.	KFAA72007-E
5C052	The versions of the ODBC driver and the HADB client are different.	KFAA72009-E
5D001	An error occurred in HADB, and neither the SQLSTATE value nor the message could be obtained.	KFAA72002-E
HY001	An error occurred in data type conversion version processing performed by the ODBC driver.	KFAA72004-E
HY003		
HY004		
HY009		
HY013		KFAA72006-E
HY090		
HY104		
HYC00		
R2411	The object was invalidated because its transaction has terminated (including any implicit rollbacks).	KFAA71002-E

SQLSTATE value	Summary of the contents	Corresponding message
R2412	The type of the table specified by the <code>getTables</code> method argument for the <code>String</code> -type array is invalid.	KFAA71017-E
R2413	Processing cannot be accepted because the <code>Statement</code> instance is already closed.	KFAA71202-E
R2414	Conversion of the character encoding failed.	KFAA71203-E
R2415	An attempt to read from the <code>java.io.Reader</code> or <code>java.io.InputStream</code> has failed.	KFAA71204-E
R2416	Processing cannot be accepted because the <code>Connection</code> instance is already closed.	KFAA71206-E
R2417	An attempt was made to execute a method that is not supported.	KFAA71209-E
R2418	Batch processing cannot be performed because this SQL statement returns a result set.	KFAA71210-E
R2419	An unsupported argument was specified in the <code>setFetchDirection</code> method.	KFAA71211-E
R2420	The value of an argument specified in the <code>setFetchSize</code> method is invalid.	KFAA71212-E
R2421	Processing cannot be accepted because the instance is already closed.	KFAA71218-E
R2423	Objects of the class specified by the <code>unwrap</code> method of the <code>Wrapper</code> interface cannot be acquired.	KFAA71222-E
R2424	An attempt to register the JDBC driver with the driver manager has failed.	KFAA71301-E
R2425	The scroll type value of the specified result set is an invalid scroll type that is not defined by <code>ResultSet</code> .	KFAA71448-E
R2426	The concurrent processing type value of the specified result set is an invalid concurrent processing type that is not defined by <code>ResultSet</code> .	KFAA71449-E
R2427	The escape clause of the specified SQL statement is invalid.	KFAA71450-E
R2428	The specified connection information is invalid.	KFAA71452-E
R2429	The value of the holdability of the specified result set is an invalid value that is not defined in the <code>ResultSet</code> class.	KFAA71453-E
R2430	A negative value is specified for the maximum selection row count that is specified with the <code>setMaxRows</code> method or <code>setLargeMaxRows</code> method.	KFAA71562-E
R2431	The specified SQL statement is a null value or a character string with a length of zero.	KFAA71563-E
R2432	A negative value is specified for the timeout value that is specified with the <code>setQueryTimeout</code> method.	KFAA71564-E
R2433	A negative value is specified for the maximum field length that is specified with the <code>setMaxFieldSize</code> method.	KFAA71565-E
R2434	The specified SQL statement cannot be executed by <code>executeQuery</code> .	KFAA71566-E
R2435	The specified SQL statement cannot be executed by the <code>executeUpdate</code> method or <code>executeLargeUpdate</code> method.	KFAA71567-E
R2436	The number of batch registrations exceeded the upper limit of 2,147,483,647.	KFAA71569-E
R2437	Parameters of this SQL data type cannot be specified.	KFAA71680-E
R2438	A required parameter has not been specified.	KFAA71681-E

SQLSTATE value	Summary of the contents	Corresponding message
R2439	The specified parameter is invalid.	KFAA71682-E
R2440	The value of the parameter index is invalid.	KFAA71683-E
R2441	The object that was specified with the <code>setObject</code> method cannot be converted to the specified SQL data type.	KFAA71687-E
R2442	The data cannot be converted to the data type of the table definition because the number of digits of the integer portion of the specified data exceeds the number of digits of the integer portion of the table definition.	KFAA71690-E
R2443	The data is a value that is outside the range of the data type at the conversion destination, or else it is in a format that cannot be converted.	KFAA71691-E
R2444	The data type of the dynamic parameter that corresponds to the specified parameter index cannot be used with this <code>setXXX</code> method.	KFAA71692-E
R2445	The column name specified with the <code>getXXX</code> method of the <code>ResultSet</code> class is invalid.	KFAA71701-E
R2446	The specified column data cannot be acquired with the <code>getString</code> method of the <code>ResultSet</code> class.	KFAA71704-E
R2447	The specified column data cannot be acquired with the <code>getBoolean</code> method of the <code>ResultSet</code> class.	KFAA71705-E
R2448	The specified column data cannot be acquired with the <code>getByte</code> method of the <code>ResultSet</code> class.	KFAA71706-E
R2449	The specified column data cannot be acquired with the <code>getShort</code> method of the <code>ResultSet</code> class.	KFAA71707-E
R2450	The specified column data cannot be acquired with the <code>getInt</code> method of the <code>ResultSet</code> class.	KFAA71708-E
R2451	The specified column data cannot be acquired with the <code>getLong</code> method of the <code>ResultSet</code> class.	KFAA71709-E
R2452	The specified column data cannot be acquired with the <code>getFloat</code> method of the <code>ResultSet</code> class.	KFAA71710-E
R2453	The specified column data cannot be acquired with the <code>getDouble</code> method of the <code>ResultSet</code> class.	KFAA71711-E
R2454	The specified column data cannot be acquired with the <code>getBigDecimal</code> method of the <code>ResultSet</code> class.	KFAA71712-E
R2455	The specified column data cannot be acquired with the <code>getBytes</code> method of the <code>ResultSet</code> class.	KFAA71713-E
R2456	The specified column data cannot be acquired with the <code>getDate</code> method of the <code>ResultSet</code> class.	KFAA71714-E
R2457	The specified column data cannot be acquired with the <code>getTime</code> method of the <code>ResultSet</code> class.	KFAA71715-E
R2458	The specified column data cannot be acquired with the <code>getTimestamp</code> method of the <code>ResultSet</code> class.	KFAA71716-E
R2459	The specified column data cannot be acquired with the <code>getAsciiStream</code> method of the <code>ResultSet</code> class.	KFAA71717-E
R2460	Processing cannot be accepted because the <code>ResultSet</code> instance is already closed.	KFAA71721-E

SQLSTATE value	Summary of the contents	Corresponding message
R2461	The specified column data cannot be acquired with the <code>getCharacterStream</code> method of the <code>ResultSet</code> class.	KFAA71722-E
R2462	The column index specified with the <code>getXXX</code> method of the <code>ResultSet</code> class is invalid.	KFAA71727-E
R2464	Data cannot be acquired with the <code>getXXX</code> method of the <code>ResultSet</code> class used because the data acquired from the database does not match the date data format.	KFAA71730-E
R2465	Data cannot be acquired with the <code>getXXX</code> method of the <code>ResultSet</code> class used because the data acquired from the database does not match the time data format.	KFAA71731-E
R2466	Data cannot be acquired with the <code>getXXX</code> method of the <code>ResultSet</code> class used because the data acquired from the database does not match the time stamp data format.	KFAA71732-E
R2467	Scrolling is not possible because the result set type of this <code>ResultSet</code> object is <code>TYPE_FORWARD_ONLY</code> .	KFAA71733-E
R2468	Zero was specified with the <code>absolute</code> method.	KFAA71735-E
R2469	The cursor is not on a valid row.	KFAA71736-E
R2470	An argument value is invalid.	KFAA71801-E
R2471	An invalid value is specified for an argument of the <code>setLoginTimeout</code> method.	KFAA71903-E
R2472	An invalid character string is specified in the argument of the <code>setEncodeLang</code> method.	KFAA71908-E
R2473	The length of an SQL statement exceeded 16,000,000 characters.	KFAA71223-E
R2474	The specified column data cannot be acquired with the <code>getBinaryStream</code> method of the <code>ResultSet</code> class.	KFAA71719-E
R2475	The data of the specified column cannot be converted to a class of the Java data type specified in the <code>getObject</code> method of the <code>ResultSet</code> class.	KFAA71737-E
R2476	A timeout occurred during execution of an SQL statement because processing to allocate a processing real thread was repeated.	KFAA71570-E

Legend:

--: There is no corresponding message.

Note:

If the SQLSTATE value that is output is not listed above, see *ODBC Programmer's Reference* in *MSDN library*.

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