

Application Performance Analyzer for z/OS



Messages Guide

Version 8 Release 1

Application Performance Analyzer for z/OS



Messages Guide

Version 8 Release 1

Second Edition (October 2007)

Note: Before using this information and the product it supports, be sure to read the general information under “Notices” on page 75.

This edition applies to IBM Application Performance Analyzer for z/OS Version 8 Release 1 (5697-N63) as modified by PTFs listed in “About this document” on page v and to any subsequent releases until otherwise indicated in new editions. Make sure you are using the correct edition for the level of Application Performance Analyzer.

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You can find out more about IBM Application Performance Analyzer for z/OS by visiting the IBM Web site for Application Performance Analyzer at: www.ibm.com/software/awdtools/apa/

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About this document

This document describes IBM Application Performance Analyzer for z/OS, Version 8 Release 1 plus the following PTFs:

PTF (English)	for APAR	Date
UK30783	PK53863	October 2007

For the latest Application Performance Analyzer PTF information, see <http://www.ibm.com/software/awdtools/apa/support/>.

IBM Application Performance Analyzer for z/OS (also referred to as Application Performance Analyzer) is a tool you can use to analyze the performance of user applications throughout the design, development, and maintenance cycle.

If you need to install Application Performance Analyzer, refer to the *IBM Application Performance Analyzer for z/OS Program Directory* for installation instructions.

Chapter 1. Introduction

Application Performance Analyzer displays messages in a format similar to the following example:

AJT0000W Messages were generated by your current request. You might enter a **MESSAGES** command to view them.

Explanation: An error occurred while processing your current request. One or more messages were issued to describe it. You can view them by entering the

The message number format is *AJTnnnnx* where *nnnn* is numeric and *x* is one of the following letters:

I (Informational)

Information is furnished

W (Warning)

Processing attempts to continue

E (Error)

Processing terminates

S (Severe)

Application Performance Analyzer terminates

MESSAGES command on the ISPF command line.

Operator response: Enter MESSAGES on the command line of the current display. Read the message or messages that are listed and if necessary, take the actions indicated by the message(s).

Chapter 2. Application Performance Analyzer Messages

This chapter describes where Application Performance Analyzer for z/OS messages are logged, and lists the message IDs and descriptions.

The Application Performance Analyzer for z/OS started task logs informational, error and diagnostic messages to various JES destinations. The contents of these output files are described here by their ddnames:

JESMSGLG

All critical messages will appear in JES Message Log. If the started task fails to start successfully, look in JES Message Log for messages reporting the failure.

COMMANDS

Any commands processed by the started task (external or internal) are logged to this file. The command text is displayed here, as well any message associated with the command.

LOGR, MAIN, LOAD, CMDP, CHKP

Each of these represents a single subtask attached by the Application Performance Analyzer for z/OS started task and contains messages logged by that task. These are primarily informational messages and during normal operations you need not be concerned with the contents of these files. They can be useful during problem diagnosis.

REQ#*request_number*, DATW*request_number*, ESDERE*request_number*, HVXT*request_number*

The Application Performance Analyzer for z/OS started task will allocate up to four sysout data sets for each sampling request submitted by a user. These data sets have the following format:

REQ#*request_number*
DATW*request_number*
ESDERE*request_number*
HVXT*request_number*

Where *request_number* represents the sampling request number. These are primarily informational messages and during normal operations you need not be concerned with the contents of these files. They can be useful during problem diagnosis.

REQ#*request_number*

Contain messages related to the sampling phase of a sampling request.

DATW*request_number*

Contain messages related to the sample file creation phase of the sampling request.

ESDERE*request_number*

Contain messages related to the load module analysis phase of the sampling request.

HVXT*request_number*

Contain messages related to the SQL host variable name resolution phase of the sampling request. This sysout is allocated when the DB2V Extractor is selected.

Messages are sorted in alphanumeric order.

AJT0008E Invalid keyword value - error

Explanation: This is a general parsing error for the NEW command. It describes an error detected for a keyword's value.

keyword Represents the keyword in error.

- error* Describes the error as one of the following possibilities:
- The length is incorrect.
 - The date separator is not valid.
 - The value is not numeric or is out of range.
 - The required Time value is missing.
 - The qualified data is not valid.
 - The qualifier is too long for the data type.
 - The data contains characters that are not valid.
 - The member name is not allowed.
 - The member name is not valid.
 - The data set name is missing.
 - Too many qualifiers are used.
 - The time separator is not valid.
 - The number of qualifiers is incorrect.
 - The value contains characters that are not valid.
 - The value contains syntax that is not valid.

System action: The command fails.

Operator response: Review the syntax for the keyword in error and correct its contents based on the error description.

**AJT0102E Misplaced equal sign near col:
*col_number***

Explanation: An equal sign (=) did not immediately follow a keyword. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

**AJT0103E Misplaced delimiter character near col:
*col_number***

Explanation: A value expression delimiter ("~) was encountered and not expected. *col_number* is the character position in the expression where the error

was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

**AJT0104E Misplaced open parenthesis "(" near col:
*col_number***

Explanation: An unexpected open parenthesis was encountered. An open parenthesis is used to begin a list of positional values for a keyword. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

**AJT0105E Misplaced close parenthesis ")" near col:
*col_number***

Explanation: An unexpected close parenthesis was encountered. A close parenthesis is used to terminate a list of positional values for a keyword. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0106E Misplaced comma near col: *col_number*

Explanation: An unexpected comma was encountered. Commas are used to separate positional values. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0107E Premature end near col: *col_number*

Explanation: The end of an expression was encountered prior to encountering an expected closing delimiter. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0110E Invalid hex character near col:
col_number

Explanation: A character other than 0-9 or 'abcdefABCDEF' was encountered inside a hex specification (that is, X'abcd') or end of expression was encountered before the end apostrophe. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0112E Expecting blank, comma or ")" after
value near col: *col_number*

Explanation: A new keyword was specified after a value expression without the required blank, comma or closing parenthesis. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0113E Positional value must be first near col:
col_number

Explanation: A positional value expression was encountered after a keyword value expression. *col_number* is the character position in the expression where the error was detected. This might not be the

same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0114E Unbalanced parenthesis near col:
col_number

Explanation: A keyword value expression specified within parentheses was missing one or more closing parenthesis. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0116E Zero or uneven number of hexadecimal
characters

Explanation: A hexadecimal expression was specified with an odd number of characters. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0131E Expression contains undefined keyword
at col: *col_number*

Explanation: A keyword expression was encountered that is not part of the syntax for the statement. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0135E Invalid numeric data at col: *col_number*

Explanation: The expression specified a value that contained non-numeric data where a numeric value is required. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0136E Numeric data too long (>18) at col: *col_number*

Explanation: The expression specified a numeric value that resolved to a number consisting of more than 18 significant digits. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0137E Data too large for target field at col: *col_number*

Explanation: The expression specified a value that consisted of more characters than the maximum length allows for the expression. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0138E Value specified not one of the allowable values for this term at col: *col_number*

Explanation: The Input expression specified a value that was not one of the allowable values for the expression. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display

details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0139E Invalid numeric: too many decimal digits at col: *col_number*

Explanation: The expression specified a decimal numeric value. The number of digits to the right of the decimal point was greater than that permitted for the expression. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0142E Too many occurrences of keyword: *keyword* at col: *col_number*

Explanation: The expression specified a keyword more times than allowed by the syntax for the expression. *keyword* represents the keyword in the error. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0143E Missing required positional value for keyword: *keyword*

Explanation: The expression specified a keyword without a required positional value. *keyword* represents the keyword in error. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0144E **Missing required positional value**

Explanation: The expression did not specify a required positional value. This message will be issued for required positional values that are to appear prior to any keywords. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0145E **Required Keyword: *keyword* not found**

Explanation: The expression did not specify a required keyword expression. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0146E **Required Keyword: *keyword* not found for Parent: *parent***

Explanation: The expression did not specify a required keyword expression. This message will appear for a lower level keyword (that is, one with a parent keyword such as ParKwd=(ReqKwd=value)). *keyword* represents the required keyword from the associated Template Map Keyword entry. *parent* represents the parent keyword. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

AJT0148E **Expression contains invalid syntax near col: *col_number***

Explanation: A statement specified a positional parameter after the first keyword expression has been specified. Positional parameters must precede any keyword parameters. *col_number* is the character position in the expression where the error was detected. This might not be the same as the column number in an input record because a single expression can span multiple records. Messages AJT0198I and AJT0199I display details of the portion of the statement that is in error.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0198I *variable text*

Explanation: This message provides details of error messages about syntax errors. *variable text* contains the portion of a statement or command expression that is in error. See the example at the end of AJT0199I.

System action: None.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

AJT0199I *

Explanation: This message contains a single asterisk to point to where the syntax error described by message AJT0198I occurred. See the example at the end of this section.

System action: Command is terminated.

Operator response: None.

Detecting module: CAZC0030, CAZC0035, CAZC0390

Example of BKN0198I and BKN0199I

In the example below, message AJT0102E describes the cause of a syntax error in a CONFIG statement. AJT0198I displays the portion of the statement in error, and AJT0199I points to the portion of the statement (described by AJT0198I) that is in error.

```
AJT0102E Misplaced equal sign near col: 000091
AJT0198I                                     SystemId==CAZ1
AJT0199I                                     *
```

AJT0200S **Data space could not be created – too many data spaces exist (*nnnn*).**

Explanation: This is an internal error. An attempt to create a new data space failed because Application Performance Analyzer has created too many data spaces in this address space. Creation of another data space would have caused an overflow of an internal table. *nnnn* represents the maximum number of data spaces allowed.

System action: The process abends with abend code U4080.

Operator response: Contact product support.

AJT0201S **DSPSERV *function_code* failed
RC=*return_codeX*, RSN=*reason_codeX*.**

Explanation: The DSPSERV function named by *function_code* has failed. *return_codeX* and *reason_codeX* represent the hexadecimal return and reason codes respectively.

System action: The process abends with abend code U4080.

Operator response: Contact product support.

AJT0202 **ALESERV function_code failed**
RC=return_codeX.

Explanation: The ALESERV function named by function_code has failed. return_codeX represent the hexadecimal return and reason code.

System action: The process abends with abend code U4080.

Operator response: Contact product support.

AJT0203S **Data space could not be extended –**
unknown requestor (id_1, id_2).

Explanation: This is an internal error. An attempt to extend a data space failed because Application Performance Analyzer could not identify the original "owner" of the data space. A possible cause for this problem is a storage overlay. id_1 and id_2 are diagnostic data for product support.

System action: The process abends with abend code U4080.

Operator response: Contact product support.

AJT0204W **Data space full. Report aaa might not be**
complete.

Explanation: An attempt to extend a reporting data space beyond its maximum size failed. The report named by aaa might be incomplete.

System action: Application Performance Analyzer continues processing.

Operator response: Contact product support.

CAZ0001I **Application Performance Analyzer for**
z/OS Version numbers starting

Explanation: During the initialization of the main task, the version and release numbers are reported as numbers.

System action: Application Performance Analyzer for z/OS® continues initialization.

Operator response: None.

CAZ0006E **Foreground mode invalid. Terminating.**

Explanation: CAZ00001 was executed in TSO foreground.

System action: Application Performance Analyzer terminates.

Operator response: Application Performance Analyzer must be run in a batch region or started task.

CAZ0007E **Unable to LOAD CAZ00085.**
Terminating.

Explanation: During initialization, the message logging module CAZ00085 could not be loaded.

System action: Application Performance Analyzer terminates.

Operator response: This is probably caused by an incorrect library concatenation in STEPLIB. Correct the JCL and resubmit.

CAZ0008E **Unable to LOAD CAZ00002.**
Terminating.

Explanation: During initialization, the module CAZ00002 could not be loaded.

System action: Application Performance Analyzer terminates.

Operator response: This is probably caused by an incorrect library concatenation in STEPLIB. Correct the JCL and resubmit.

CAZ0009E **Program is not authorized. Terminating.**

Explanation: CAZ00001 terminated because it was not APF authorized.

System action: Application Performance Analyzer terminates.

Operator response: Verify that the product load library is APF authorized and that no unauthorized libraries are included in the STEPLIB concatenation. Verify the AC=1 attribute for the CAZ00001 load module.

CAZ0010E **Unable to establish ESTAE.**
R15=X'return_code' R0=X'reason_code'

Explanation: During initialization, CAZ00001 was unable to establish an ESTAE exit routine. The return code and reason code from the ESTAEX macro are reported as X'return_code' and X'reason_code'.

System action: Application Performance Analyzer terminates.

Operator response: Refer to the Application Performance Analyzer technical support Web site at www.ibm.com/software/awdtools/apa/support/ to find a possible resolution to this problem.

CAZ0012I **Application Performance Analyzer is**
licensed for the following features:
feature_1...feature_n

Explanation: This message is issued at startup and lists the Application Performance Analyzer features (feature_1...feature_n) that this current system is licensed for.

System action: Application Performance Analyzer continues initialization.

Operator response: None.

CAZ0014E Application Performance Analyzer cannot operate in sysplex mode due to errors.

Explanation: A previous error occurred during sysplex initialization and is preventing Application Performance Analyzer from completing initialization.

System action: Application Performance Analyzer terminates.

Operator response: Refer to messages prior to this one for more information about the cause of the error.

CAZ0015E Request: *request_number* selecting Active JOB: *job_name* in ASID: *identifier* on: *yyyy/mm/dd hh:mm* was not found. Rejected.

Explanation: A measurement request was submitted to measure an active job at some future date and time. At the time the measurement request was submitted, the selected job was executing under an ASID. When the date and time arrived to start the measurement session, the original job had terminated and a new job with the same *job_name* was running, but under a different ASID.

request_number
Request number

job_name
Selected job name

yyyy/mm/dd
Selected start date

hh:mm
Selected start time

System action: Application Performance Analyzer marks the request "Failed."

Operator response: Resubmit a new request and delete the failed request.

CAZ0016E SYSPLEX group name *group_name* already in use by an instance of Application Performance Analyzer with ID: *APA_ID*

Explanation: Application Performance Analyzer has detected that you are running another instance of Application Performance Analyzer with the same group name on the same system. You can only run one instance of Application Performance Analyzer with the same group name on the same system.

System action: Application Performance Analyzer terminates.

CAZ0018E Sysplex Event Manager has terminated prematurely. Application Performance Analyzer is shutting down. - or - IEFUSI Request Servicing subtask has terminated prematurely. Application Performance Analyzer is shutting down.

Explanation: The named component of Application Performance Analyzer has ended abnormally (ABEND).

System action: Application Performance Analyzer terminates.

Operator response: Refer to messages prior to this one for more information about the cause of the error.

CAZ0019E CHKP DSN mismatch with sysplex MEMBER=*member_name*; DSN=*file_name*

Explanation: Application Performance Analyzer has detected that another Application Performance Analyzer member of the same sysplex group, is using a different checkpoint file name. All members of the same group must use the same checkpoint file name.

member_name
Represents member name of the Application Performance Analyzer whose checkpoint file name does not match this Application Performance Analyzer's name.

file_name
Represents the checkpoint file name of this Application Performance Analyzer.

System action: Application Performance Analyzer terminates.

Operator response: Change the checkpoint file names in the configuration of sysplex members *member_name*, *file_name*, or both so that they match, and then stop and restart these tasks.

CAZ0020I High Level Qualifier is *high_level_qualifier*

Explanation: During initialization of the main task, this message reports the high level qualifier (*high_level_qualifier*) used for any new data sets created by this instance of Application Performance Analyzer .

System action: Application Performance Analyzer continues initialization.

Operator response: None.

CAZ0021E High Level Qualifier *high_level_qualifier* already in use by an instance of Application Performance Analyzer with ID: *task_ID*

Explanation: During initialization, another started task instance of Application Performance Analyzer was executing and was using the same high level qualifier.

high_level_qualifier indicates the HLQ and *task_ID* is the ID of the other Application Performance Analyzer started task.

System action: Application Performance Analyzer terminates.

Operator response: Refer to the Application Performance Analyzer *Customization Guide* for information about defining started task configuration settings.

CAZ0022S Unsupported level of the operating system, Application Performance Analyzer is terminating.

Explanation: Application Performance Analyzer has detected that it is executing on a level of the operating system that Application Performance Analyzer does not support. Refer to message CAZ0004D for more information about operating system level.

System action: Application Performance Analyzer terminates.

Operator response: Refer to the *Program Directory* for information about the product levels supported.

CAZ0023W Application Performance Analyzer has detected a non-JES2 primary subsystem, I/O sampling will not report on SYSOUT data sets.

Explanation: Application Performance Analyzer has detected that it is executing on a non-JES2 system. SYSOUT data sets will not be sampled and therefore the I/O reports will lack SYSOUT information. System action: Application Performance Analyzer continues initialization.

Operator response: None.

CAZ0024E Sysplex is not available on this MVS image, processing cannot proceed.

Explanation: You have requested Application Performance Analyzer to execute in sysplex mode and Application Performance Analyzer has determined that sysplex is not available on the MVS™ image.

System action: Application Performance Analyzer terminates.

Operator response: Either change this started task to run in non-sysplex mode, or run it on an MVS image where sysplex is available.

CAZ0025E Request: *request_number* selecting Active JOB: *job_name* in ASID: *identifier* was not found. Rejected.

Explanation: A measurement request was submitted to measure an active job that is no longer executing under the selected address space ID.

request_number
Request number

job_name
Selected job name

identifier
Address space id of the job.

System action: Application Performance Analyzer marks the request failed.

Operator response: Resubmit a new request and delete the failed request.

CAZ0026I Application Performance Analyzer waiting for outstanding sampling to complete. Wait time is: *minutes:seconds* (mmmm:ss).

Explanation: Application Performance Analyzer is shutting down and has detected active sampling sessions. The started task must wait for these sessions to complete. The estimated wait time is represented by *minutes:seconds*; where *mmmm* represents minutes and *ss* represents seconds.

System action: Application Performance Analyzer waits.

CAZ0027E STOP operator command detected.

Explanation: This message indicates that an operator has entered STOP command requesting the Application Performance Analyzer started task to shut down.

System action: Application Performance Analyzer terminates.

Operator response: Correct the value of *SPXGroupName* in CONFIG BASIC and restart Application Performance Analyzer.

CAZ0028E SYSPLEX user state mismatch. Possible invalid group name: *SPXGroupName_variable*.

Explanation: Application Performance Analyzer has attempted to join a SYSPLEX group but has detected that it has joined the wrong group. A possible cause for this is an incorrect *SPXGroupName* value was specified.

System action: Application Performance Analyzer terminates.

Operator response: Correct the value of *SPXGroupName* in CONFIG BASIC and restart Application Performance Analyzer.

CAZ0029E Security type mismatch with SYSPLEX MEMBER=*member*.

Explanation: This message indicates that while initializing in a sysplex group, this instance of Application Performance Analyzer has detected that it is using a security mode that does not match the other members of the sysplex group.

All members of the sysplex group must use the same security mode. Refer to the SECURITY keyword in the 'CONFIG BASIC' statement of started tasks configuration settings for more information.

System action: Application Performance Analyzer terminates.

Operator response: Ensure that all sysplex members are configured to use the same security type.

CAZ0030E HFS ALESERV ADD failed at initialization. RC=*~~~~~*

Explanation: An ALESERV ADD failed for the HFS SYSZBPX2 data space.

System action: Processing continues, but no HFS data can be extracted for any observation request.

Operator response: Contact product support

CAZ0051S Unable to create global name/name token. RC=*return_code*.

Explanation: Application Performance Analyzer issued a Global Name/Token services request (to IEANTRT) that failed. This could indicate a system environmental problem.

System action: Application Performance Analyzer terminates.

Operator response: Examine the reported return code *return_code* and analyze the reason why IEANTRT might have failed.

CAZ0052S Unable to retrieve global name/token. RC=*return_code*

Explanation: Application Performance Analyzer issued a Global Name/Token services request (to IEANTRT) which failed. This could indicate a system environmental problem.

System action: Application Performance Analyzer terminates.

Operator response: Examine the reported return code *return_code* and analyze the reason why IEANTRT might have failed.

CAZ0053S Mismatched PAB entry lengths. Terminating.

Explanation: During initialization, Application Performance Analyzer established access to an existing Application Performance Analyzer Anchor Block (PAB), but the length of this existing PAB was not valid. This is an internal error.

System action: Application Performance Analyzer terminates.

Operator response: Refer to the Application Performance Analyzer technical support Web site at www.ibm.com/software/awdtools/apa/support/ to find a possible resolution to this problem.

CAZ0058E All PAB entries used. Terminating.

Explanation: The maximum number of Application Performance Analyzer started tasks is already executing. You must stop one or more of these instances before it is possible to start a new one.

System action: Application Performance Analyzer terminates.

Operator response: Stop an instance of Application Performance Analyzer that is currently not in use and try to restart the failed instance.

CAZ0059E Application Performance Analyzer ID *task_ID* already in use by STC *started_task_job_name*

Explanation: One of two problems might have occurred:

1. Another instance of the Application Performance Analyzer-started task is executing and using the same ID (*task_ID*) as this started task. A unique ID must be used for each Application Performance Analyzer started task. *started_task_job_name* is the job name of started task already using the ID.
2. A previous execution of the Application Performance Analyzer-started task either ended abnormally (ABEND) or was cancelled and the started task could not shutdown properly.

System action: Application Performance Analyzer terminates.

Operator response: If the error was caused by option 1, then refer to the Application Performance Analyzer *Customization Guide* for information about defining started task configuration settings.

If the error was caused by option 2, then perform the following:

1. Add the following line to the CONFIG OPER statement in the configuration file of the Application Performance Analyzer started task in question:
PABENTReset=YES

2. Restart the Application Performance Analyzer started task.

Note: PABENTReset is a special operational parameter to be used only in this situation or as directed by product support. Once the started task has successfully started, you must remove the PABENTReset line from the Configuration file. Failure to do so will prevent Application Performance Analyzer from detecting if a duplicate started task was accidentally submitted.

CAZ0070I Subtask starting for *job_name* request *request_number*

Explanation: Application Performance Analyzer has started a new subtask to initiate a sampling session. The name of the job being measured is indicated by *job_name* and *request_number* is the request number.

System action: None.

Operator response: None.

CAZ0071I Subtask detached for *job_name* request *request_number*

Explanation: Application Performance Analyzer has completed a sampling session for job *job_name*, request number *request_number*. The subtask that was attached to process this session has ended and has been detached.

System action: None.

Operator response: None.

CAZ0080W Requested MaxUSSCM value: *aaaa*, is greater than currently configured maximum value: *bbb*.

Explanation: The Application Performance Analyzer started task CONFIG file specified a value for MaxUSSCM (*aaaa*) that is greater than the original value specified when the started task was first brought up after an initial program load (IPL).

System action: Application Performance Analyzer continues initialization.

Operator response: In order for the new, higher MaxUSSCM value to take effect you must restart (re-IPL) your system.

CAZ0100I Application Performance Analyzer operating

Explanation: Application Performance Analyzer completed its initialization. The system is now ready to process sampling.

System action: None.

Operator response: None.

CAZ0131E DB2 sampling subtask for SSID(*subsystem_ID*) has terminated prematurely.

Explanation: An Application Performance Analyzer subtask assigned to performing DB2[®] sampling for the DB2 subsystem identified by the SSID *subsystem_ID* has failed.

System action: DB2 sampling for the DB2 subsystem identified by the SSID *subsystem_ID* will no longer be possible.

Operator response: The Application Performance Analyzer DB2 subtask will have produced diagnostic errors, refer to the sysout data set with a ddname of *subsystem_ID* for further error messages.

CAZ0150E Scheduling for JOB *job_name* failed (*record_type*). Original request number *request_number*.

Explanation: An attempt to create a new scheduling record for request number *request_number* failed. The value of *record_type* indicates what kind of record was being created:

- A step PME for an ACTIVE job request
- A multi-step PME for a scheduled job
- A step PME for a scheduled job
- A multi-step PME for a run-again job
- A step PME for a run-again job

System action: The new scheduling request fails.

Operator response: The most likely cause of this error is that the checkpoint file is full. Delete some old requests to make room for new ones.

CAZ0201E Error in OPEN of file-type

Explanation: Performance Analysis Reporting was attempting to access the file described in file-type. The attempt failed because the file could not be opened.

System action: The ISPF dialog is terminated.

Operator response: Refer to any MVS system messages that might have been issued at the time of the error to determine a problem resolution.

CAZ0203E Auxiliary storage shortage.

Explanation: While attempting to load the sample file, reporting detected that the system was running low on auxiliary storage.

System action: The sample is not loaded, and the user is returned to the R02 panel.

Operator response: Request that your system programmer add more page data sets.

CAZ0204E Sample File not loaded. Data space full, cannot be extended, size=aaaa.

Explanation: While attempting to load a sample file, reporting detected a "data space full" condition and could not finish loading the data space. The *aaaa* value represents the current size of the data space in bytes.

System action: The sample is not loaded, and the user is returned to the R02 panel.

Operator response: If the size value *aaaa* is 2 gigabytes, the sample is too large and can not be loaded by reporting. Try re-running the sample request with either a shorter duration or sampling frequency. If the size value *aaaa* is less than 2 gigabytes, the most likely cause is that your installation is restricting the maximum data space size to this value. Request your system programmer adjust this maximum value in the IEFUSI exit.

CAZ0300E ENQ failed, DB2 or IMS intercept function could not proceed. Try again later.

Explanation: The Application Performance Analyzer-started task was unable to serialize an internal resource required to perform an intercept function. Another Application Performance Analyzer started task was holding the resource for the same reason. The problem occurs when multiple instances of the Application Performance Analyzer started task are starting at the same time, each attempting to acquire the resource. Only one will succeed, the rest will fail.

System action: The function was not performed. If this problem occurred during startup, then the started task will terminate.

Operator response: Restart the started task.

CAZ0301E Other Application Performance Analyzer started tasks are still active, DB2 or IMS intercept function could not proceed.

Explanation: The started Application Performance Analyzer started task was unable to perform an intercept function because there were other Application Performance Analyzer started tasks executing. An intercept function can only be performed when all other Application Performance Analyzer started tasks are down.

System action: The function was not performed. If this problem occurred during startup, then the started task will terminate.

Operator response: Stop all Application Performance Analyzer started tasks and then retry the function.

CAZ0302E SRB failed, DB2 or IMS intercept function could not proceed. CODE=bbbb, CC=cccc, RSN=dddd.

Explanation: The SRB that is used to install and uninstall the DB2 or IMS™ intercept failed.

System action: The function was not performed. If this problem occurred during startup, then the started task will terminate.

Operator response: Record the information in this message. Check for a possible dump in the *MASTER* address space, save the dump and then contact product support.

CAZ0303E Unable to load module: *module_name*, Abend=*Sabend_code*, RSN=*reason_code*.

Explanation: The module specified in the message could not be load because of the abend and reason codes provided.

System action: The function was not performed. If this problem occurred during startup, then the started task will terminate.

Operator response: Ensure that the STEPLIB specified for the Application Performance Analyzer started task contains the complete Application Performance Analyzer product at the correct release level.

CAZ0304E IEAMSCHD failed, RC=aaaa, DB2 or IMS intercept function could not proceed.

Explanation: IEAMSCHD was unable to schedule an SRB for the reason given in the RC field.

System action: The function was not performed. If this problem occurred during startup, then the started task will terminate.

Operator response: Record the information in this message, then refer to the Application Performance Analyzer technical support Web site at www.ibm.com/software/awdtools/apa/support/ to find possible solutions to this problem.

CAZ0305E SRB/IRB ended abnormally (ABEND). DB2 or IMS intercept function could not proceed.

Explanation: The SRB or IRB used to install and uninstall the DB2 or IMS intercept ended abnormally (ABEND).

System action: The function was not performed. If this problem occurred during startup, then the started task will terminate.

Operator response: A mini diagnostic dump will be produced under the ddname DUMP0001. Save this dump and contact product support.

CAZ0306S Invalid SRB or IRB parameters detected.

Explanation: The SRB or IRB used to install and uninstall the intercept detected input parameters that are not valid and could not proceed.

System action: The function is terminated.

Operator response: Refer to the Application Performance Analyzer technical support Web site at www.ibm.com/software/awdtools/apa/support/ to find a possible resolution to this problem.

CAZ0307S Invalid PABX detected.

Explanation: The SRB used to install and uninstall the intercept detected an invalid internal control block and could not proceed.

System action: The function is terminated.

Operator response: Refer to the Application Performance Analyzer technical support Web site at www.ibm.com/software/awdtools/apa/support/ to find a possible resolution to this problem.

CAZ0308S CAZ00004 has ended abnormally (ABEND). See dump for details.

Explanation: The program that is used to manage the DB2 intercept detected an abend and has recovered but the function could not proceed.

System action: The function is terminated and a dump will be produced.

Operator response: Save the dump and contact product support.

CAZ0309S Unable to schedule IRB, Job Step TCB not found. DB2 or IMS intercept function could not proceed.

Explanation: The IRB that is used to install and uninstall the intercept could not be scheduled because the *MASTER* address space's job step TCB could not be found.

System action: The function is terminated.

Operator response: Refer to the Application Performance Analyzer technical support Web site at www.ibm.com/software/awdtools/apa/support/ to find a possible resolution to this problem.

CAZ0312E DB2 or IMS intercept update unsuccessful, DB2 or IMS intercept in use.

Explanation: The request to update the DB2 or IMS intercept code could not be completed because Application Performance Analyzer determined that the intercept is currently in use by one or more sampling sessions. Wait for the sampling session(s) to complete

before retrying this function.

System action: None.

Operator response: Refer to the Application Performance Analyzer technical support Web site at www.ibm.com/software/awdtools/apa/support/ for more information.

CAZ0313E DB2 or IMS intercept uninstall failed, reason_code.

Explanation: The request to uninstall the DB2 or IMS intercept failed for the reason specified by *reason_code*. Possible values for *reason_code* are:

DB2 or IMS intercept not installed

Application Performance Analyzer has determined that the intercept is not installed on this MVS system and therefore could not uninstall it.

DB2 or IMS intercept in use

Application Performance Analyzer has determined that the intercept is currently in use by one or more sampling sessions. Wait for the sampling session(s) to complete before retrying this function.

System action: None.

Operator response: Refer to the Application Performance Analyzer technical support Web site at www.ibm.com/software/awdtools/apa/support/ for more information.

CAZ0314E RESET not possible, reason_code.

Explanation: The request to reset the DB2 intercept control data was not possible for the reasons specified by *reason_code*. Possible values for *reason_code* are:

DB2 or IMS intercept in use

Application Performance Analyzer has determined that the intercept is currently in use by one or more sampling sessions. Wait for the sampling session(s) to complete before retrying this function.

DB2 or IMS intercept must be uninstalled first

Application Performance Analyzer has determined that the intercept is still installed. Reset can be performed only after the intercept has been removed.

System action: None.

Operator response: Refer to the Application Performance Analyzer technical support Web site at www.ibm.com/software/awdtools/apa/support/ for more information.

CAZ0315I Newer version of DB2 intercept detected, attempting refresh.

Explanation: During startup, the Application Performance Analyzer started task determined that a newer version of the DB2 intercept is available. It will attempt to refresh the intercept. Refresh involves uninstalling the current intercept and then installing the new one. All other Application Performance Analyzer started tasks must be down in order for this process to complete successfully.

System action: IMS stub will be refreshed.

Operator response: None

CAZ0316I Newer version of IMS stub detected, attempting refresh.

Explanation: During startup, the Application Performance Analyzer started task determined that a newer version of an internal stub is available. It will attempt to refresh the stub.

System action: IMS stub will be refreshed.

Operator response: None

CAZ0317I Newer version of IMS stub found and refreshed.

Explanation: During startup, the Application Performance Analyzer started task determined that a newer version of an internal IMS stub was available and that it was refreshed successfully.

System action: None

Operator response: None

CAZ0321S *module_name* has abended, see SVC dump for details.

Explanation: The program named in *module_name* has detected an abend and produced an SVC dump.

System action: Processing continues

Operator response: Save the dump and contact Application Performance Analyzer support.

CAZ0490I Application Performance Analyzer is shutting down

Explanation: Application Performance Analyzer initiated its shutdown process.

System action: None.

Operator response: None.

CAZ0491E PABX initialization not possible, following STCs are still active: s1, s2, s3, ...

Explanation: The Application Performance Analyzer started task was unable to initialize an internal control block because there were other Application Performance Analyzer started tasks executing. This control block can only be initialized when all other Application Performance Analyzer started tasks are down. "s1, s2, s3,..." represent the IDs of the Application Performance Analyzer started tasks that are still executing.

System action: The started task will terminate.

Operator response: Stop all Application Performance Analyzer started tasks and restart the started task.

CAZ0499I Application Performance Analyzer terminating

Explanation: This message is reported when Application Performance Analyzer has completed its shutdown process and is about to terminate.

System action: None.

Operator response: None.

CAZ0551E Unable to LOAD xxxxxxxx. R01="x"....." R15="x"....."

Explanation: During initialization, Application Performance Analyzer was unable to load module xxxxxxxx. The value in R01 is the abend code from the load and the value in R15 is the reason code.

System action: Application Performance Analyzer terminates.

Operator response: Find the abend code in the Systems Codes manual, correct the error and restart the Application Performance Analyzer started task.

CAZ0700I Module *module_name* found in *data_set_name* in *linklist_name* LNKLST

Explanation: The IEFUSI exit module specified by *module_name* was found in the currently active linklist specified by *linklist_name* in the data set specified by *data_set_name*.

System action: None.

Operator response: None.

CAZ0701E CSVDYNL: Module *module_name* not found in current LNKLST

Explanation: The IEFUSI exit module specified by *module_name* could not be found in the currently active linklist.

System action: Application Performance Analyzer terminates.

Operator response: Ensure that the named module is in a linklist data set and then restart Application Performance Analyzer.

CAZ0702E CSVDYNL: LNKLST=*linklist_name*
MODULE=*module_name* RC=*return_code*
RSN=*reason_code*

Explanation: Application Performance Analyzer detected a CSVDYNL error while attempting search the currently active linklist specified by *linklist_name* for the IEFUSI exit module specified by *module_name*. The CSVDYNL return code and reason code are specified by *return_code* and *reason_code* respectively.

System action: Application Performance Analyzer terminates.

Operator response: Refer to *MVS Programming: Authorized Assembler Services Reference* for information about the CSVDYNL error codes. Correct the problem and then restart Application Performance Analyzer.

CAZ0703W Internal security detected. This is not recommended in a SYSPLEX group and might produce undesirable results.

Explanation: This message indicates that while initializing in a sysplex group, this instance of Application Performance Analyzer detected that it is running with internal security rules.

Application Performance Analyzer cannot guarantee the accuracy of security authorizations if performs using internal rules. Users might be unintentionally authorized for actions.

It is recommended that an installation's external security system be used when Application Performance Analyzer is running as part of a sysplex group.

System action: This is a warning, no further action is taken. All processing will continue as normal.

Operator response: Consider migrating Application Performance Analyzer to your installation's external security system.

CAZ0704W External security detected in compatibility mode. This is not recommended in a SYSPLEX group and might produce undesirable results.

Explanation: This message indicates that while initializing in a sysplex group, this instance of Application Performance Analyzer detected that it is running with external security rules in compatibility mode.

Application Performance Analyzer cannot guarantee the accuracy of security authorizations if performs

under these conditions. Users might be unintentionally authorized for actions.

It is recommended that an installation's external security system be used in native mode when Application Performance Analyzer is running as part of a sysplex group.

Compatibility mode should only be used temporarily while the installation updates its security rules to use the MVS system name instead of the STCid of the Application Performance Analyzer started task as the first node of the resource profile.

System action: This is a warning, no further action is taken. All processing will continue as normal.

Operator response: None.

CAZ0720I Sampling buffer size is *size* bytes

Explanation: During initialization, this message reports the maximum size of the sampling buffers used during a measurement request.

System action: None.

Operator response: None.

CAZ0724I Task/subtask dispatch cycle is *time_interval* X 0.01 seconds

Explanation: During initialization, this message reports the interval of time between each Application Performance Analyzer "pulse" during which it checks for work to be dispatched. The value *time_interval* is in units of 1/100 seconds.

System action: None.

Operator response: None.

CAZ0725I Default sampling duration is *seconds* seconds

Explanation: During initialization, this message reports a value that either was specified in the CONFIG member or was set to its default. The value *seconds* is the default number of seconds of duration for a sampling session.

System action: None.

Operator response: None.

CAZ0726I Default number of samples is *samples*

Explanation: During initialization, this message reports a value that either was specified in the CONFIG member or was set to its default. The value *samples* is the default number of samples to be taken during a sampling session.

System action: None.

Operator response: None.

CAZ0727I Minimum sampling rate is *sampling_rate* milliseconds

Explanation: During initialization, this message reports a value that either was specified in the CONFIG member or was set to its default. The value *sampling_rate* is the minimum duration, in milliseconds, that is allowed to be specified as a sampling rate.

System action: None.

Operator response: None.

CAZ0731I Log file primary allocation is *primary_allocation_units*

Explanation: During initialization, this message reports a value that either was specified in the CONFIG member or was set to its default. The value *primary_allocation_units* is the number primary allocation units for the log data set.

System action: None.

Operator response: None.

CAZ0732I Log file allocation unit is *allocation_unit*

Explanation: During initialization, this message reports a value that either was specified in the CONFIG member or was set to its default. The value *allocation_unit* is the allocation unit for the log data set: T=TRK, C=CYL, B=BLK.

System action: None.

Operator response: None.

CAZ0733I DASD UNIT name is *name*

Explanation: During initialization, this message reports a value that either was specified in the CONFIG member or was set to its default. The value *name* is the DASD UNIT name for allocation of new data sets.

System action: None.

Operator response: None.

CAZ0734I Checkpoint DSN: *data_set_name*

Explanation: During initialization, this message reports the name of the data set (*data_set_name*) Application Performance Analyzer will use for checkpoint functions.

System action: None.

Operator response: None.

CAZ0735I Checkpoint file capacity is *records*

Explanation: During initialization, this message reports the number of records (*records*) (excluding header records) specified for the Checkpoint File. This value is meaningful only if no Checkpoint File exists and Application Performance Analyzer creates one.

System action: None.

Operator response: None.

CAZ0752E HLQ mismatch with Sysplex
member=*member_name*;
HLQ=*high_level_qualifier*

Explanation: During initialization in sysplex mode, the Application Performance Analyzer started task has detected that its HLQ does not match that of at least one other Application Performance Analyzer started task in the same sysplex group.

member_name

Represents the member name of the Application Performance Analyzer started task in conflict with this started task.

high_level_qualifier

Represents this Application Performance Analyzer's HLQ value.

System action: Application Performance Analyzer terminates.

CAZ0785I IXCJOIN *started_task-sysout_file*
(*MVS_system*) RC=*return_code*
RSN=*reason_code*

Explanation: This is an information message that indicates whether this instance of Application Performance Analyzer successfully joined the sysplex group. A return code value of either 0 or 4 indicates a successful operation. A return code greater than 4 indicates a problem with the join operation. The message is written to the *sysout_file*. The *MVS_system* refers to the MVS system on which Application Performance Analyzer is running.

System action: Application Performance Analyzer will terminate if the return code is greater than 4 and this message will be followed by message CAZ0014E.

Operator response: Refer to *MVS Programming: Sysplex Services Reference* for an explanation of the return and reason codes for IXCJOIN and take corrective action.

CAZ0788E IXCQUERY on SYSPLEX.
RC=*return_code* RSN=*reason_code*

Explanation: This message is only used by product support for diagnostic purposes.

System action: None.

Operator response: Contact product support.

CAZ0789I System ~~~~~ Status X"~~" at
~~~~~

**Explanation:** This message is only used by product support for diagnostic purposes.

**System action:** None.

**Operator response:** Contact product support.

---

**CAZ0790E** IXCQUERY on GROUP. RC=*return\_code*  
RSN=*reason\_code*

**Explanation:** This message is only used by product support for diagnostic purposes.

**System action:** None.

**Operator response:** Contact product support.

---

**CAZ0795I** IXCQUIES RC=*return\_code*  
RSN=*reason\_code*

**Explanation:** This message is only used by product support for diagnostic purposes.

**System action:** None.

**Operator response:** Contact product support.

---

**CAZ1000I** Logger started.

**Explanation:** The logger subtask has started and is in the process of initializing.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ1020I** Logger operating.

**Explanation:** The logger subtask has completed initialization and is now ready for work.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ1030S** Allocation error for *dsn* E=X"*error\_code*"  
I=X"*information\_code*"  
SMS=X"*reason\_code*".

**Explanation:** A dynamic allocation error occurred while attempting to allocate a new log file specified by *dsn*. *error\_code*, *information\_code*, and *reason\_code* represent the dynamic allocation error code, information code and SMS reason code respectively.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Refer to *MVS Programming*:

*Authorized Assembler Services Guide* for information about the above error codes. Correct the problem and then restart Application Performance Analyzer.

---

**CAZ1031I** New log is *dsn*

**Explanation:** This is an information message indicating that the logger subtask has allocated a new log file with the data set name specified by *dsn*.

**System action:** None.

**Operator response:** None.

---

**CAZ1032W** Allocation error for SYSOUT data set  
*ddname* E=X"*error\_code*"  
I=X"*information\_code*"  
SMS=X"*reason\_code*".

**Explanation:** A dynamic allocation error occurred while attempting to allocate a log SYSOUT data set specified by *ddname*. *error\_code*, *information\_code*, and *reason\_code* represent the dynamic allocation error code, information code and SMS reason code respectively.

**System action:** None.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Guide* for information about the above error codes. Correct the problem and if necessary restart Application Performance Analyzer.

---

**CAZ1040E** DEVTYPE error for *ddname* *ddname*  
RC=*return\_code* RSN=*reason\_code*

**Explanation:** A DEVTYPE error occurred while attempting to determine the device type for the log data set allocated to the *ddname* specified by *ddname*. *return\_code* and *reason\_code* represent the DEVTYPE return code and reason code respectively.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Refer to *DFSMSdfp™ Advanced Services* for information about the above error codes. Correct the problem and then restart Application Performance Analyzer.

---

**CAZ1090I** Logger stopping.

**Explanation:** The logger subtask has started its shutdown process.

**System action:** None.

**Operator response:** None.

---

**CAZ1099I** Logger terminated.

**Explanation:** The logger subtask has completed its shutdown process and is about to terminate.

**System action:** None.

**Operator response:** None.

---

**CAZ1100I Command Processor started.**

**Explanation:** The command processor subtask has started and is in the process of initializing.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ1103E The following command is not allowed as a Modify Command: *command\_name*.**

**Explanation:** An operator attempted to enter an Application Performance Analyzer modify command specified by *command\_name* that was not permitted.

**System action:** Command is discarded.

**Operator response:** None.

---

**CAZ1105S Unable to open COMMANDS *ddname*.**

**Explanation:** The command processor subtask was not able to open the data set or SYSOUT allocated to the COMMANDS *ddname*. Probable cause: the COMMANDS DD statement is missing from the Application Performance Analyzer JCL.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Add the appropriate COMMANDS DD statement to the Application Performance Analyzer JCL.

---

**CAZ1130I Command Processor operating.**

**Explanation:** The command processor subtask has completed initialization and is now ready for work.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ1141W Module *module\_name* already defined in exit *exit\_name*.**

**Explanation:** The module *module\_name* for the MVS installation exit named by *exit\_name* has already been defined.

**System action:** Application Performance Analyzer will use the existing definition.

**Operator response:** None.

---

**CAZ1190I Command Processor stopping.**

**Explanation:** The command processor subtask has started its shutdown process.

**System action:** None.

**Operator response:** None.

---

**CAZ1199I Command Processor terminated.**

**Explanation:** The command processor subtask has completed its shutdown process and is about to terminate.

**System action:** None.

**Operator response:** None.

---

**CAZ1200I Exit *exit\_name* defined.**

**Explanation:** The MVS installation exit named by *exit\_name* has been successfully defined to MVS.

**System action:** None.

**Operator response:** None.

---

**CAZ1201W Exit *exit\_name* already defined.**

**Explanation:** The MVS installation exit named by *exit\_name* has been defined to MVS by another application.

**System action:** Application Performance Analyzer will use the existing definition.

**Operator response:** None.

---

**CAZ1202E Unable to define exit *exit\_name*  
RC=*X*"*return\_code*" RSN=*X*"*reason\_code*"**

**Explanation:** Application Performance Analyzer was unable to define the MVS installation exit named by *exit\_name*. *return\_code* and *reason\_code* represent the return and reason codes returned by CSVDYNEX.

**System action:** If the problem occurs during initialization, Application Performance Analyzer will terminate. Otherwise no action is taken.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Reference* for information about the CSVDYNEX return and reason codes. Correct the problem and restart Application Performance Analyzer if necessary.

---

**CAZ1220E Error adding module *module\_name* to exit *exit\_name*. RC=*X*"*return\_code*"  
RSN=*X*"*reason\_code*"**

**Explanation:** Application Performance Analyzer was unable to add the module *module\_name* to the MVS installation exit named by *exit\_name*. *return\_code* and

*reason\_code* represent the return and reason codes returned by CSVDYNEX.

**System action:** If the problem occurs during initialization, Application Performance Analyzer will terminate, otherwise not action is taken.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Reference* for information about the CSVDYNEX return and reason codes. Correct the problem and restart Application Performance Analyzer if necessary.

---

**CAZ1221I** Module *module\_name* added to exit *exit\_name*.

**Explanation:** The module *module\_name* was successfully added to the MVS installation exit named by *exit\_name*.

**System action:** None.

**Operator response:** None.

---

**CAZ1224S** CSVDYNEX LIST error:  
RC=*X*"*return\_code*" RSN=*X*"*reason\_code*".

**Explanation:** Application Performance Analyzer was unable to list the MVS installation exit points. *return\_code* and *reason\_code* represent the return and reason codes returned by CSVDYNEX.

**System action:** Application Performance Analyzer will terminate.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Reference* for information about the CSVDYNEX return and reason codes. Correct the problem and restart Application Performance Analyzer.

---

**CAZ1225I/CAZ1225W** Exit Point: *task\_name*, not active; RSN=*X*"*reason\_code*".

**Explanation:** The exit point defined by *task\_name* was not active for the reason specified in *reason\_code*. Application Performance Analyzer is not able to add an exit routine to that exit point. For reason codes less than or equal to 4 this is an informational message.

For reason codes greater than 4 this a warning message and users will not be able to sample non active started tasks: (*task\_name* = "SYSSTC.IEFUSI") or TSO logons: (*task\_name* = "SYSTSO.IEFUSI").

Values for *task\_name*:

- "SYSJES2.IEFUSI" or "SYSJES3.IEFUSI"
- "SYSJES3.IEFUSI"
- "SYSSTC.IEFUSI"
- "SYSTSO.IEFUSI"

Values for *reason\_code* are:

- 0 - n/a

- 4 - Target SYS/SUBSYS has no exit points defined to the system.
- 8 - No exit points defined to system. This situation should never happen because some sort of exit point is always defined.
- 12 - The target exit point is not defined to the system, but exit point TYPE has other exit points.
- 16 - The target exit point has no routines defined.
- 20 - The target exit point is not defined but has exit routines defined to it.
- 24 - The target exit point is defined but without the IEFUSI routine.
- 28 - The target exit point is defined without the IEFUSI routine but with CAZ00990.

**Note:** RSN 16, 20, and 24 should never happen unless the exit point was erroneously defined by a program other than SMF

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** For reason codes greater than 4 contact your system programmer and verify the status of the SMF exit points. Refer to the chapter describing SMFPRMxx in *MVS Initialization and Tuning Reference* for information about defining the exit point. Correct the problem and restart Application Performance Analyzer.

---

**CAZ1226S** A required SMF Exit Point is not active - sampling cannot proceed.

**Explanation:** Application Performance Analyzer determined that one of the following exit points was not active: SYS.IEFUSI, SYSJES2.IEFUSI, (or SYSJES3.IEFUSI in JES3 environments). These exit points must be active in order for Application Performance Analyzer to sample scheduled jobs. Refer to message CAZ1225W for more information.

**System action:** Application Performance Analyzer will terminate.

**Operator response:** Contact your system programmer and verify the status of the SMF exit point: SYS.IEFUSI and SYSJES2.IEFUSI or SYSJES3.IEFUSI. Refer to the chapter describing SMFPRMxx in *MVS Initialization and Tuning Reference* for information about defining the exit. Correct the problem and restart Application Performance Analyzer.

---

**CAZ1227I** Exit: *routine\_name* has already been added to Exit Point: *task\_name*

**Explanation:** The Application Performance Analyzer exit routine (*routine\_name*) has already been added by another instance of Application Performance Analyzer. Values for *task\_name*:

- "SYS.IEFUSI"

- "SYSJES2.IEFUSI" or "SYSJES3.IEFUSI"
- "SYSSTC.IEFUSI"
- "SYSTSO.IEFUSI"
- "BPX\_POSPROC\_INIT"

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

**CAZ1234E Exit Point aaaa not defined, USS sampling may be affected.**

**Explanation:** The Exit Point defined by aaaa was not defined to the system. Application Performance Analyzer might not be able to sample USS address spaces properly.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** Determine why the Exit Point was not defined. Define it and restart the Application Performance Analyzer STC.

**CAZ1235E CSVDYNEX LIST error: RC=aaaax RSN=bbbbx for Exit Point cccc. USS sampling may be affected.**

**Explanation:** Application Performance Analyzer was attempting to determine the status of the Exit Point described by cccc via the CSVDYNEX LIST function. This function failed with return and reason codes described by aaaa and bbbb. Application Performance Analyzer might not be able to sample USS address spaces properly.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** Refer to MVS Programming: Authorized Assembler Services Reference for information about the CSVDYNEX return and reason codes. Correct the problem and restart the Application Performance Analyzer STC.

**CAZ1236E Error adding module aaaa to Exit Point bbbb. RC=ccccx RSN=dddxd. USS sampling may be affected.**

**Explanation:** Application Performance Analyzer was attempting to add a module (aaaa) to the Exit Point described by bbbb via the CSVDYNEX ADD function. This function failed with return and reason codes described by cccc and dddd. Application Performance Analyzer might not be able to sample USS address spaces properly.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** Refer to MVS Programming: Authorized Assembler Services Reference for information about the CSVDYNEX return and reason

codes. Correct the problem and restart the Application Performance Analyzer STC.

**CAZ1237E CAZ0004x: IXCMSGI error. r15=X" return\_code" r0=X" reason\_code"**

**Explanation:** The Application Performance Analyzer sysplex messaging system detected an error while receiving a message from a group member.

*return\_code*  
represents the return code from IXCMSGI

*reason\_code*  
represents the reason code from IXCMSGI

**System action:** none.

**Operator response:** If the message persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem..

**CAZ1300I Module *module\_name* deleted.**

**Explanation:** The module named by *module\_name* has been deleted from memory. This message is a result of the PROMOTE operator command.

**System action:** None.

**Operator response:** None.

**CAZ1303E Module *module\_name* not in module list.**

**Explanation:** The module named by *module\_name* was not defined to Application Performance Analyzer. This message is a result of the PROMOTE operator command.

**System action:** PROMOTE command terminates.

**Operator response:** Check to ensure that you have typed the module name correctly and retry the command.

**CAZ1304E Module *module\_name* not CSA loadable. PROMOTE ignored.**

**Explanation:** The module named by *module\_name* is not eligible for promotion. This message is a result of the PROMOTE operator command.

**System action:** PROMOTE command terminates.

**Operator response:** Check to ensure that you have typed the module name correctly and retry the command.

**CAZ1305I Module *module\_name* loaded at EP=*location*.**

**Explanation:** The module named by *module\_name* was successfully loaded into CSA at location *location*. This

message is a result of the PROMOTE operator command.

**System action:** None.

**Operator response:** None.

---

**CAZ1307E** LOAD error for *module\_name*.  
R01=X"R01\_value" R15=X"R15\_value".

**Explanation:** The module named by *module\_name* could not be loaded into CSA. This message is a result of the PROMOTE operator command.

**System action:** PROMOTE command terminates.

**Operator response:** Record the values for R01 and R15, then refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ1701E** Parsing error in COMMAND SM/TM

**Explanation:** This is a fatal error.

**System action:** Command is terminated and the Application Performance Analyzer started task carries on normal processing.

**Operator response:** Refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find a possible resolution to this problem.

---

**CAZ1702E** Processing error in loadDRT of  
COMMAND SM/TM

**Explanation:** This is a fatal error.

**System action:** Command is terminated and the Application Performance Analyzer started task carries on normal processing.

**Operator response:** Refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find a possible resolution to this problem.

---

**CAZ1703E** Request=*request\_number* specified for  
CANCEL/DELETE does not exist.  
CANCEL/DELETE issued by Userid:  
*user\_ID*.

**Explanation:** User *user\_ID* attempted the specified action when request *request\_number* no longer existed.

**System action:** Command is terminated.

**Operator response:** None.

---

**CAZ1704E** Request=*request\_number* cannot be  
deleted when status is ACTIVE or  
already deleted. DELETE issued by  
Userid: *user\_ID*.

**Explanation:** User attempted to delete a request that was either currently active or already deleted.

**System action:** Command is terminated.

**Operator response:** None.

---

**CAZ1705E** Request=*request\_number* cannot be  
deleted since the associated Sample File  
could not be deleted. DELETE issued by  
Userid: *user\_ID*.

**Explanation:** User *user\_ID* attempted to delete request *request\_number*. The request failed because the associated Sample File was in use by another user.

**System action:** The request is not deleted.

**Operator response:** Try the delete request later.

---

**CAZ1706E** Request by *user\_ID* for JOB *job\_name* is a  
duplicate of Request: *request\_number*.  
Request rejected.

**Explanation:** User *user\_ID* attempted to add a new sampling request that is a duplicate of one already added by the same user. *job\_name* and *request\_number* represent the job name and request number of the request that is already queued.

**System action:** The request is not added.

**Operator response:** Redefine the request with different parameters.

---

**CAZ1707E** Request=*request\_number* cannot be  
canceled when status is not ACTIVE or  
already canceled. CANCEL issued by  
Userid: *user\_ID*.

**Explanation:** User attempted to cancel a request that was either not currently active or already cancelled.

**System action:** Command is terminated.

**Operator response:** None.

---

**CAZ1708E** Request=*request\_number*, specified for  
KEEP does not exist. KEEP issued by  
userid *user\_ID*

**Explanation:** A KEEP command was issued for an observation request that does not exist.

**System action:** Command processing terminates.

**Operator response:** Report the error to the system administrator.

---

---

**CAZ1709E** Request=*request\_number*, cannot KEEP while Active, Sched, Future, or Thresh. KEEP issued by userid *user\_ID*

**Explanation:** A KEEP command was issued for an observation request that is in either Active, Sched, Future, or Thresh status.

**System action:** The KEEP command is ignored.

**Operator response:** Wait for the request to end before issuing the KEEP command.

---

**CAZ1710E** DELETE of Req#=*request\_number* not allowed as it is a Schedule, Multi-step, or Threshold Monitor request.

**Explanation:** Request *request\_number* is a Schedule or Multi-step or Threshold Monitor master request record. This type of request record represents a list of subsidiary requests. This type of record cannot be deleted by using the batch command interface.

**System action:** Command is rejected.

**Operator response:** Use the ISPF interface to delete this type of request.

---

**CAZ1712E** Scheduling entry for *date time* is more than 1 year into the future.

**Explanation:** The scheduling entry for date *date* and time *time* is more than 366 days from the date and time of the request. Application Performance Analyzer allows future-dated requests up to 1 year from the current date and time.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1713E** ASID invalid for future-dated active request.

**Explanation:** The keyword ASID must not be specified for a future-dated scheduling request with ACTIVE=YES.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1714E** ASID valid only for an active request.

**Explanation:** The keyword ASID must not be specified for a request without ACTIVE=YES.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1715E** Required keyword: *keyword* not specified. Rejected.

**Explanation:** A command was issued without a required keyword: *keyword*.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the command.

---

**CAZ1716E** Keyword: *keyword* contains invalid value. Rejected.

**Explanation:** A command was issued with a keyword: *keyword* that contained a value that was inappropriate for the keyword.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the command.

---

**CAZ1717E** Keyword: *keyword* contains a value that is out of range. Value must be between: *value\_range*.

**Explanation:** A command was issued with a keyword: *keyword* that contained a numeric value that was out of range. *value\_range* describes the valid range for the keyword.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the command.

---

**CAZ1718E** The following keywords are mutually exclusive and might not be specified together: *keyword*.

**Explanation:** A command was issued with mutually exclusive keywords. *keyword* describes the keywords in error.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the command.

---

**CAZ1719W** A new/existing request has been provisionally accepted. Request will be authorized when the job starts.

**Explanation:** This message indicates that either a new observation request was added or an existing observation request was updated and the request specified a target system name of asterisk (\*). Under these conditions the request could not be authorized using the external security system since the target system name is unknown. The request has been provisionally accepted and will be authorized at the time the job starts. When the job starts, the system will

be known. It is possible, however, for the request to fail at that time.

**System action:** None.

**Operator response:** If this is a critical observation request, then ensure that your user ID has the proper measurement authority on all systems in this Application Performance Analyzer sysplex group.

---

**CAZ1720E Invalid CICS transaction name or mask**  
*"transaction\_name".*

**Explanation:** A NEW or MODIFY command was issued with the CTRAN keyword containing a syntactically incorrect CICS® transaction name or mask: *transaction\_name*.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the command.

---

**CAZ1721W Unknown Feature *feature\_name* Ignored.**

**Explanation:** A NEW or MODIFY command was issued with the FEATURES keyword containing an unknown feature value: *feature\_name*.

**System action:** Command parsing continues, the invalid feature is ignored.

**Operator response:** Correct and resubmit the command if necessary.

---

**CAZ1722E/S *variable text***

**Explanation:** An access error occurred while processing a NEW or MODIFY command. The text of the message describes the access error.

**System action:** Command is rejected.

**Operator response:** Contact your system administrator for assistance with the problem. Refer to the Application Performance Analyzer *Customization Guide* for information regarding defining access rules.

---

**CAZ1723S Invalid return coded detected from AccessControl. Request failed.**  
**RC=0x***return\_code*.

**Explanation:** A severe access error occurred while processing a NEW or MODIFY command. *return\_code* represent the return code.

**System action:** Command is rejected.

**Operator response:** Refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find a possible resolution to this problem.

---

**CAZ1724E SCHDSPAN applies only to future dated inactive jobs.**

**Explanation:** The keyword SCHDSPAN can be specified only if ACTIVE=NO is specified for a future-dated scheduling request.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1725I Too many load libraries specified. Remainder ignored.**

**Explanation:** A NEW or MODIFY command was issued with the LIBS keyword specifying too many data set names.

**System action:** Command parsing continues.

**Operator response:** Correct and resubmit the command if necessary.

---

**CAZ1726I**

**This messages has one of several formats:**

Request=*request\_number* : Userid=*user\_ID* for JOB *job\_name* and STEP *step\_name*.

Request=*request\_number* : Userid=*user\_ID* for JOB *job\_name* and STEP *step\_name* and PROCSTEP *proc\_step\_name*.

Request=*request\_number* : Userid=*user\_ID* for JOB *job\_name* and PROGRAM *program\_name*.

Request=*request\_number* : Userid=*user\_ID* for JOB *job\_name* and PROGRAM *program\_name* and PROCSTEP *proc\_step\_name*.

Request=*request\_number* : Userid=*user\_ID* for JOB *job\_name* and STEP *step\_number*.

Request=*request\_number* : Userid=*user\_ID* for JOB *job\_name*. *nn* steps.

Request=*request\_number* : Userid=*user\_ID* for JOB *job\_name*. *xxx* future dates.

Request=*request\_number* : Userid=*user\_ID* for JOB *job\_name*. *nn* steps and *xxx* future dates.

**Explanation:** A NEW or MODIFY command was successfully issued. The message describes the selection parameters specified for this request.

*request\_number*

The request number that was added or modified.

*job\_name*

The name of job to be measured.

*user\_ID*

The user ID that created or modified the request.

*step\_name*

The name of step to be measured.



*proc\_step\_name*  
The name of the proc step to be measured

*program\_name*  
The name of the program specified on the EXEC PGM= of the step to be measured.

*step\_number*  
The number of the step to be measured.

*nn* The number of STEP entries specified.

*xxx*  
The number of SCHDDATE entries specified.

**System action:** The command is accepted.

**Operator response:** None.

---

**CAZ1727E Scheduling entry for *date time* overlapped by previous entry.**

**Explanation:** The scheduling entry for date *date* and time *time* is overlapped by the time span of the previous entry or the scheduling entry for *date time* overlapped by RUNAGAIN time span.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1728E STEP entry *step\_number* has multiple values.**

**Explanation:** STEP entry number *step\_number* has mutually exclusive step identification values. A step can be identified by only one of the following:

- step number
- program name
- step name
- step name and procedure step name

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1729E RETRYAFTER applies only to future dated active jobs.**

**Explanation:** The keyword RETRYAFTER can be specified only if ACTIVE=YES is specified for a future-dated scheduling request.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1730E CAZ00080(ISPF\_CMD) detected a zero ECB address, USER=*user\_ID***

**Explanation:** This is an internal error found during command processing.

**System action:** Command processing completes.

**Operator response:** Report the error to the system administrator.

---

**CAZ1731E Parameter version mismatch: CurrVer=*caller\_version\_number*, CallerVer=*task\_version\_number*, Caller=*caller\_name***

**Explanation:** An external component of Application Performance Analyzer called the Application Performance Analyzer started task to perform a function. The started task detected a mismatch between itself and the external component.

*caller\_version\_number*

Represents an internal version number for the function as known by caller or external component.

*task\_version\_number*

Represents an internal version number for the function as known by the started task.

*caller\_name*

Represents the caller or external component.

**System action:** The function could not be completed and is terminated.

**User response:** Report the error to the system administrator.

**System programmer response:** The action is based on the value specified in *caller\_name*.

If *caller\_name* specifies "IEFUSI" then the Application Performance Analyzer Step Initiation Exit is back leveled with the version of the Application Performance Analyzer started task. Follow the instructions in the Application Performance Analyzer *Customization Guide* to upgrade the IEFUSI exit.

If *caller\_name* specifies "ISPF CMD" then upgrade the Application Performance Analyzer/ISPF interface.

If *caller\_name* specifies "SPX" then one or more members of the Application Performance Analyzer sysplex group is back leveled. Ensure that all members of the group are at the same Application Performance Analyzer version or higher.

---

**CAZ1732I Request=*request\_number*, Samples=*number\_of\_samples*, DURATION=*duration seconds*, Sample interval=*interval seconds*,**

**Explanation:** A NEW or MODIFY command was successfully issued. The message describes the sampling parameters specified for this request.

*request\_number*

Is the request number that was added or modified.

*number\_of\_samples*

Is the number of samples to be taken.

*duration*

Is the duration of the sampling session in seconds.

*interval*

Is the interval in seconds, between each sample.

**System action:** The command is accepted.

**Operator response:** None.

---

**CAZ1733E** No active job found for job name  
*job\_name*.

**Explanation:** No matching job could be found for a request for an active job with job name *job\_name*.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1734E** No active job found for job name  
*job\_name* and ASID identifier.

**Explanation:** No matching job could be found for a request for an active job with job name *job\_name* and ASID identifier.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1735E** RETRYAFTER must specify positive  
time span.

**Explanation:** When RETRYAFTER=(*mm*,FOR=*nn*) is specified, the value of *mm* multiplied by *nn* must be greater than zero.

**System action:** The command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1736S** DIE enqueue failed. RC = 0x*return\_code*.

**Explanation:** This is an internal error.

**System action:** Request is failed.

**Operator response:** Refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find a possible resolution to this problem.

---

**CAZ1737E** User: *user\_ID* is not authorized to  
measure type, Req#=*request\_number*,  
JobName=*job\_name*.

**Explanation:** User *user\_ID* has attempted to measure or monitor a job of type:

- a TSO Address Space
- an Initiated Job
- a Started Task

and with a job name of *job\_name*. *request\_number* is the request number of the failed request. The user is not authorized to request this type of measurement request based on the rules defined to Application Performance Analyzer.

**System action:** The measurement request is failed. The job continues executing normally.

**Operator response:** Refer to the Application Performance Analyzer *Customization Guide* for information regarding defining access rules.

---

**CAZ1738S** All request numbers are now in use and  
a new request number cannot be  
assigned. Delete an old request and try  
your request again.

**Explanation:** Application Performance Analyzer cannot accept new sampling request as all available request number have been exhausted.

**System action:** Request is failed.

**Operator response:** If you have old requests that are not longer needed then delete one or more of them and resubmit your request. Otherwise, contact your system administrator for assistance.

---

**CAZ1739E** CONVTO failed RC=0x*return\_code*.

**Explanation:** A NEW or MODIFY command was issued with a valid that is not valid for either the SDATE or STIME keywords. The value caused CONVTO to fail with return code: *return\_code*.

**System action:** Command parsing continues, and the feature that is not valid is ignored.

**Operator response:** Retry the request.

---

**CAZ1740E** Keyword: REQNUM not allowed for  
*cccc* requests. *cccc* issued by User ID:  
*user\_ID*.

**Explanation:** A *cccc* command was issued with the REQNUM keyword. REQNUM is not valid for a *cccc* command.

**System action:** Command is ignored.

**Operator response:** Resubmit the command without specifying REQNUM keyword.

---

**CAZ1741E** Request=*request\_number* not found.  
MODIFY rejected. MODIFY issued by  
Userid: *user\_ID*.

**Explanation:** An attempt to modify request *request\_number* failed because it could not be found.  
Probable cause: another user deleted the request.

**System action:** Command is ignored.

**Operator response:** Determine whether the request was deleted. If it was not deleted, retry the MODIFY command.

---

**CAZ1742E** Request=*request\_number* cannot be  
modified, the status is no longer 'Sched'  
MODIFY issued by Userid: *user\_ID*.

**Explanation:** An attempt to modify a request that is no longer scheduled. Probable cause: the request has changed status while the Modify request was being processed.

**System action:** Command is ignored.

**Operator response:** None.

---

**CAZ1743S** Severe error: request failed by  
CAZ00082.

**Explanation:** A severe error occurred while attempting to create a new sampling request.

**System action:** Command is rejected.

**Operator response:** Refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find a possible resolution to this problem.

---

**CAZ1745E** Command: *command\_name*, missing  
required keyword: *kkkkkk*

**Explanation:** A severe error occurred while attempting to create a new sampling request.

**System action:** Command fails.

**Operator response:** the missing keyword resubmit the command.

---

**CAZ1746E** User: *user\_id*, not authorized for  
keyword: *kkkkkk*

**Explanation:** The user: *user\_id* specified a keyword: *keyword\_name* for which he is not authorized. This most likely an attempt by the user to specify a keyword reserved for internal use only by Application Performance Analyzer.

**System action:** Command fails.

**Operator response:** Remove the keyword and resubmit the command.

---

**CAZ1748E** Keyword: CTRAN must be specified  
when the CICS feature is selected.

**Explanation:** The NEW command specified the CICS feature without the associated CTRAN keyword. You must specify one or more transaction codes or \* for all transactions when the CICS feature is selected.

**System action:** The step is terminated.

**Operator response:** Specify the CTRAN keyword, and resubmit the job.

---

**CAZ1749E** Keyword: *keyword* not allowed when  
Application Performance Analyzer is  
running in non-sysplex mode.

**Explanation:** The keyword denoted by *keyword*, is not permitted when Application Performance Analyzer is executing stand-alone. That is: not part of a sysplex group.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1750E** Unable to retrieve sysplex job list for  
SYSTEMS=*system\_name*.

**Explanation:** A request for a list of job names to the system identified by *system\_name* failed.

**System action:** The new scheduling request fails.

**Operator response:** Check the system log for additional messages or an SVC dump.

---

**CAZ1751E** Too many matching jobs in system  
*system\_name*.

**Explanation:** There are too many job names in the system identified by *system\_name* that match the requested job name.

**System action:** The new scheduling request fails.

**Operator response:** If possible, provide a more unique job name.

---

**CAZ1752E** Step information invalid for active job.

**Explanation:** You cannot specify step information for an active job request. The currently executing step is the only one that can be measured.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1753E** The RUNAGAIN keyword might not be specified for active jobs.

**Explanation:** The keyword RUNAGAIN might not be specified if ACTIVE=YES is specified.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1754E** RUNAGAIN keyword missing required parameter.

**Explanation:** You have specified only one of the two required parameters for the RUNAGAIN keyword. Or you have specified a non-zero value for one of the parameters and zero for the other.

**System action:** Command is rejected.

**Operator response:** Ensure that both parameters contain non-zero values in the appropriate ranges of values.

---

**CAZ1755E** User: *user\_ID*, is not authorized to function *function\_name* Req#=*request\_number*

**Explanation:** The userid specified by *user\_ID* is not authorized to perform the function specified by *function\_name* for the sampling request specified by *request\_number*. *function\_name* might be either 'DELETE' or 'KEEP'

**System action:** Command is rejected.

**Operator response:** Refer to the Application Performance Analyzer *Customization Guide* for information regarding defining access rules.

---

**CAZ1756E** Step number cannot be zero.

**Explanation:** A step number value of zero was specified in a STEP keyword.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1757E** Duplicate step number.

**Explanation:** A STEP keyword has specified the same step number as another STEP keyword.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

---

**CAZ1758E** Application Performance Analyzer is not enabled for *feature\_variable*. Request failed.

**Explanation:** A NEW or MODIFY request attempted to select a feature that has not been enabled in Application Performance Analyzer.

Possible values for *feature\_variable* are:

**DB2I** Represents the DB2+ feature.

**IMSI** Represents the IMS+ feature.

**System action:** None.

**Operator response:** The Application Performance Analyzer configuration settings have not been enabled for this feature. Refer to the "Started Task Configuration Settings" section in the *Application Performance Analyzer for z/OS Customization Guide* for instructions on how to enable this feature.

---

**CAZ1759E** *Feature\_variable* is not active. Request failed.

**Explanation:** A NEW or MODIFY request attempted to select a feature that has not been enabled in Application Performance Analyzer. The feature has been enabled but could not be activated during started task initialization.

Possible values for *feature\_variable* are:

**DB2I** Represents the DB2+ feature.

**IMSI** Represents the IMS+ feature.

**System action:** None.

**Operator response:** Refer to the MAIN sysout data set in the started task for error messages that describe the reason the feature could not be activated.

---

**CAZ1762E** Scheduling interval between events is not greater than the sampling duration.

**Explanation:** You have entered sequence schedule dates/times where the interval between two consecutive entries is less than or equal to the sampling duration. This is not permitted for a sampling request for an active job since it would cause two sampling sessions to overlap each other.

**System action:** Command is rejected.

**Operator response:** Correct and resubmit the scheduling request.

---

**CAZ1765E** A Triggering request may not be converted to sample an active job.

**Explanation:** The user attempted to convert a Triggering request for schedule job to sample an active job. This is not allowed.

**System action:** Command is terminated.

---

**Operator response:** None.

---

**CAZ1766E Multi-step/Run-Again/Scheduling not allowed for a Triggered request.**

**Explanation:** The user attempted to create a Triggered request to sample either multiple steps in the job; or assign the request run-again or scheduling attributes. This is not allowed.

**System action:** Command is terminated.

**Operator response:** None.

---

**CAZ1767E Triggered request cannot be aaaa, associated Triggering request status is invalid.**

**Explanation:** The user attempted to add or modify a Triggered request where the associated Triggering request is not in the correct status. This error occurs when the Triggering request status is no 'Sched'.

aaaa = added or modified

**System action:** Command is terminated.

**Operator response:** None.

---

**CAZ1768E Triggered request cannot be aaaa, associated Triggering request targets an active address space.**

**Explanation:** The user attempted to add or modify a Triggered request against a Triggering request that is sampling an active address space.

aaaa = added or modified

**System action:** Command is terminated.

**Operator response:** None.

---

**CAZ1769E Triggered request cannot be aaaa, associated Triggering request is already assign a Triggered request.**

**Explanation:** The user attempted to add or modify a Triggered request against a Triggering request that is already associated with a Triggered request. This is not allowed.

aaaa = added or modified

**System action:** Command is terminated.

**Operator response:** None.

---

**CAZ1770E Triggered request cannot be aaaa, associated Triggering request: bbbb is not found.**

**Explanation:** The user attempted to add or modify a Triggered request against a Triggering request that no longer exists.

aaaa = added or modified

bbbb = request number of triggering request

**System action:** Command is terminated.

**Operator response:** None.

---

**CAZ1771E Triggered request cannot be added, associated request: aaaa is also a Triggered request. Explanation:**

**Explanation:** The user attempted to add a Triggered request to a request that is itself a Triggered request. Triggered requests cannot be chained together.

aaaa = request number of triggering request

**System action:** Command is terminated.

**Operator response:** None.

---

**CAZ1799I --- generic message text ---**

**Explanation:** This is a general information message used for diagnostic purposes by product support. The text of the message will vary depending on the diagnostic data to be presented.

**System action:** None.

**Operator response:** None.

---

**CAZ2000I Checkpointer started.**

**Explanation:** This message indicates that the Checkpointer subtask has started and is in the process of initializing.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ2001E Creation of Checkpoint File failed**

**Explanation:** An attempt to allocate a new Checkpoint File failed. Additional information is reported in CAZ2004E and CAZ2005E messages.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Attempt to resolve the problem based on the information available in the message and restart the job.

---

**CAZ2002E Allocation of Checkpoint File failed**

**Explanation:** An attempt to allocate the Checkpoint File to ddname CHKPT failed. Additional information is reported in CAZ2004E and CAZ2005E messages.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Attempt to resolve the problem

based on the information available in the message and restart the job.

---

**CAZ2003E OPEN of Checkpoint File <dsname> failed**

**Explanation:** An OPEN of the Checkpoint File of the indicated dsname failed during initialization of Application Performance Analyzer. This probably indicates that the data set existed with incorrect characteristics. The Checkpoint File should be a physical sequential (PS) data set with unblocked, LRECL=1024 records.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Attempt to resolve the problem based on the information available in the message and restart the job.

---

**CAZ2004E Allocation of <dsname> to DD <ddname> failed**

**Explanation:** This is a secondary information message that provides qualifying information to separate error message. This message reports a data set name dsname and DD Name ddname for which an allocation attempt failed. This is accompanied by a CAZ2005E message.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Attempt to resolve the problem based on the information available in the message and restart the job.

---

**CAZ2005E DYNALLOC Feedback  
RSN=<return\_code> INFO=  
<information\_code>**

**Explanation:** This is a secondary information message that provides qualifying information to a separate error message. It reports an error reason and error information code, in hexadecimal, returned from Dynamic Allocation (SVC 99) services.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Guide* for information about the above error codes. Attempt to resolve the problem based on the information available in the message and restart the job.

---

**CAZ2009E Checkpoint file has too many updates outstanding.**

**Explanation:** This error occurs when there are too many updates pending for a checkpoint file.

**System action:** Application Performance Analyzer STC terminates with a SOC3.

**Operator response:** Verify that all Application Performance Analyzer STCs with the same sysplex group name (SPXGroupName=xxxxxxx) have the same checkpoint file defined in their CONFIG files. Also verify that the checkpoint file has not also been defined in a CONFIG file to a non-sysplex Application Performance Analyzer STC. Once the CONFIG files have been corrected, bring down and restart all Application Performance Analyzer STC's.

---

**CAZ2010E I/O error reading checkpoint file, attempting initialization**

**Explanation:** I/O error reading checkpoint file, attempting initialization. An I/O error on the checkpoint file was detected during started task initialization. The checkpoint file was being verified and the read failed. The started task assumes a corrupt checkpoint file and will attempt to initialize it.

This message will be followed message: CAZ2011E, which provides diagnostics on the I/O error.

**System action:** Application Performance Analyzer initialization continues.

**Operator response:** None.

---

**CAZ2011E aaaa, bbbbbbbb, ccccccc, dddd,e , fffffff, gggg, hhhhhhhh, iiiiii, jjjj**

**Explanation:** The message follows: CAZ2010E and provides diagnostic data the I/O error.

Message insert description:

aaaa Number of bytes read  
bbbbbbb

Jobname

ccccccc Stepname

dddd Device number

e Device type

ffffff DDname

gggg Operation attempted

hhhhhhh

Error description

iiiiiii Actual track address and block number  
(BBCCHHR in hex)

jjjj Access method

**System action:** Application Performance Analyzer initialization continues.

**Operator response:** None.

---

**CAZ2020I Checkpointer operating.**

**Explanation:** This message indicates that the Checkpointer subtask has completed initialization and is now ready for work.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ2090I Checkpointer stopping.**

**Explanation:** This message is reported when the Checkpointer subtask has started its shutdown process.

**System action:** None.

**Operator response:** None.

---

**CAZ2099I Checkpointer terminated.**

**Explanation:** This message is reported when the Checkpointer subtask has completed its shutdown process and is about to terminate.

**System action:** None.

**Operator response:** None.

---

**CAZ2199S CAZ00040 has ended abnormally (ABEND). Sysplex event managing subtask is terminating.**

**Explanation:** This message indicates that the named component of Application Performance Analyzer has ended abnormally (ABEND). This message will be followed by a dump.

**System action:** Application Performance Analyzer terminates.

---

**CAZ2700W Resource constraints, new sampling rate=*sampling\_rate***

**Explanation:** This message indicates that a CPU usage constraint has been applied to the request, and the sampling rate has been reduced. This is controlled by the MaxMIPPercent parameter in your installation's configuration. The user will also get a warning message in the S01 Session Statistics report.

**System action:** None.

**Operator response:** None.

---

**CAZ2701E Resource constraints, new sampling request CANCELLED**

**Explanation:** This message indicates that a CPU usage constraint has been applied to the request, and the request has been cancelled. This is controlled by the MaxMIPPercent parameter in your installation's configuration. The user will see that the request's status has been set to Stopped.

**System action:** None.

**Operator response:** None.

---

**CAZ3200I Data writer for request *request\_number* JOB *job\_name* started.**

**Explanation:** This message indicates that a data writer subtask has started. A new data writer subtask is started each time Application Performance Analyzer

starts sampling a job. *request\_number* is the request number and *job\_name* is the name of the Job, STC, or TSU that the data writer has been assigned to.

**System action:** None.

**Operator response:** None.

---

**CAZ3205E DW *request\_number* : Error allocating *dsn*  
E=*error\_code* I= *information\_code*  
SMS=*reason\_code*.**

**Explanation:** This message indicates a dynamic allocation error occurred while attempting the data writer was attempting to allocate the sample file (*dsn*) for the request *request\_number*. *error\_code*, *information\_code*, and *reason\_code* represent the dynamic allocation error code, information code and SMS reason code respectively.

**System action:** The sampling request is terminated and all sample data is lost.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Guide* for information about the above error codes. Correct the problem and resubmit the sampling request.

---

**CAZ3206I Request *request\_number* for JOB *job\_name* cancelled, sample file created.**

**Explanation:** Application Performance Analyzer has detected that a user has cancelled an active sampling request. An abbreviated sample has been created for this request

**System action:** None.

**Operator response:** None.

---

**CAZ3208E DW *rrrr*: Unable to ATTACH DB2 HVXT sub-task. RC=*aaaa* .**

**Explanation:** The data writer assigned to request *rrrr* was unable to attach the Host Variable Extractor subtask. This subtask resolves SQL host variable names as requested by the user on the Measurement Options panel (DB2V - SQL Variables option).

**System action:** Sampling continues without SQL host variable name resolution. Reports containing SQL text will not display host variable names.

**Operator response:** Record the return code *aaaa* and refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

---

**CAZ3210I** Sampling dataset=*dsn*.  
Primary=*primary\_allocation*,  
Secondary=*secondary\_allocation* in tracks.

**Explanation:** This is an information message indicating that the data writer has successfully allocated a new sample file (*dsn*) with a primary and secondary allocation of *primary\_allocation* and *secondary\_allocation* tracks respectively.

**System action:** None.

**Operator response:** None.

---

**CAZ3211E** DW request\_number: Unable to ATTACH  
ESD subtask. RC=*return\_code*.

**Explanation:** The data writer assigned to request *request\_number* was unable to attach an ESD subtask

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports. Sampling will proceed for this request, but ESD information will not be available to reporting.

**Operator response:** Record the return code *return\_code* and refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ3212W** Coupling Facility sampling cannot  
proceed: *reason*

**Explanation:** Application Performance Analyzer has detected the absence of a Coupling facility. *reason* represents the reason text for this message.

**System action:** Coupling Facility sampling data will not be collected during any sampling sessions.

**Operator response:** You can ignore this message if your system is operating without Coupling Facility support. Otherwise, you might wish to review the cause of the error based on the text provided.

---

**CAZ3213E** Error detected while sampling the  
Coupling Facility: Set=*aa*, error=*bbbbbb*

**Explanation:** The message indicates that an unexpected error occurred while sampling the coupling facility.

**System action:** Coupling Facility sampling data will not be available, sampling continues for this request.

**Operator response:** If the message persists, record the values for *aa* and *bbbbbb* and refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ3214E** IXLMG error. RC=*return\_code*  
RSN=*reason\_code*

**Explanation:** Application Performance Analyzer has detected an IXLMG error during Coupling Facility sampling. *return\_code* and *reason\_code* represent the return code and reason code from the IXLMG call.

**System action:** Coupling Facility sampling data will not be collected during the sampling session.

**Operator response:** If the message persists, record the values for RC and RSN and refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ3215E** IXCQUERY REQINFO=CF error.  
RC=*return\_code* RSN=*reason\_code*

**Explanation:** Application Performance Analyzer has detected an IXCQUERY error during Coupling Facility sampling. *return\_code* and *reason\_code* represent the return code and reason code from the IXCQUERY call.

**System action:** Coupling Facility sampling data will not be collected during the sampling session.

**Operator response:** If the message persists, record the values for RC and RSN and refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ3216E** Unable to load DB2 module:  
*module\_name*, Abend=*Sreturn\_code*,  
RSN=*reason\_code*

**Explanation:** A required DB2 load module could not be loaded from STEPLIB.

*module\_name*

Represents the module name

*Sreturn\_code*

Represents the abend code returned by the LOAD SVC

*reason\_code*

Represents the reason code returned by the LOAD SVC

**System action:** Processing continues but some or all DB2 plan and package timestamp data might not be present in the sample file.

**Operator response:** Add the DB2 load library to the STEPLIB concatenation in the Application Performance Analyzer Started Task JCL.

---



---

**CAZ3217E** DB2 error for Func=*DB2\_function*;  
RC=*return\_codex*; RSN=*reason\_codex*;  
SSID=*subsystem\_ID*; PLAN=*PLAN\_name*

**Explanation:** The Application Performance Analyzer started task detected an error while performing a DB2 function.

*DB2\_function*

Represents the DB2 function

*return\_codex*

Represents the hex return code from the function

*reason\_codex*

Represents the hex reason code from the function

*subsystem\_ID*

Represents the DB2 subsystem where the function was directed to

*PLAN\_name*

Represents the DB2 PLAN name under which the function was operation.

**System action:** Processing continues but some or all DB2 plan and package timestamp data might not be present in the sample file.

**Operator response:** Refer to *IBM® DB2 Universal Database™: Message Reference, Volume 1* or *IBM DB2 Universal Database: Message Reference, Volume 2* for an explanation of the reason code and associated corrective for action.

---

**CAZ3218E** Error accessing DB2 catalog: *catalog* on  
SSID: *subsystem\_ID*

**Explanation:** The Application Performance Analyzer started task detected an error while accessing a DB2 catalog.

*catalog*

Represents the DB2 catalog

*subsystem\_ID*

Represents the DB2 subsystem where the access was directed to.

This message will be followed by one or more CAZ1799 messages that contain DB2 issue messages (DSN\*).

**System action:** Processing continues but some or all DB2 plan and package timestamp data might not be present in the sample file.

**Operator response:** Refer to *IBM DB2 Universal Database: Message Reference, Volume 1* or *IBM DB2 Universal Database: Message Reference, Volume 2* for an explanation of the DB2 message and associated corrective for action.

---

**CAZ3220I** DW *request\_number* operating.

**Explanation:** This message indicates that the data writer subtask assigned to request *request\_number* has completed initialization and is now ready for work.

**System action:** None.

**Operator response:** None.

---

**CAZ3230E** DW *request\_number* : EDTINFO error for device *device\_type*. RC=*return\_code*  
RSN=*reason\_code*.

**Explanation:** The data writer assigned to request *request\_number* detected an EDTINFO error while analyzing a data set from the sampled region. *device\_type* is the UCB device type, *return\_code* and *reason\_code* are the return and reason codes respectively from EDTINFO.

**System action:** None. Sampling continues, but the user might notice missing data when viewing the DASD reports.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Reference* for information about the EDTINFO return and reason codes. Correct the problem and resubmit the sample request.

---

**CAZ3231E** DW *request\_number* : UCBLook error for device *device\_type*. RC=*return\_code*  
RSN=*reason\_code*.

**Explanation:** The data writer assigned to request *request\_number* detected a UCBLook error while analyzing a data set from the sampled region. *device\_type* is the UCB device type, *return\_code* and *reason\_code* are the return and reason codes respectively from UCBLook.

**System action:** None. Sampling continues, but the user might notice missing data when viewing the DASD reports.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Reference* for information about the UCBLook return and reason codes. Correct the problem and resubmit the sample request.

---

**CAZ3232E** CAZ00699 Internal sampling error.

**Explanation:** This indicates that the sampling request had a severe error. This message is always accompanied by message CAZ3390E that gives the request number and an error code.

**System action:** The sampling request is terminated and marked as "Failed".

**Operator response:** Contact product support with the post code (*post\_code*) from the accompanying CAZ3390E message as well as the complete FFO STC output.

---

**CAZ3233E** Sampling has timed out. STC/TSO might no longer exist.

**Explanation:** This indicates that the sampling request has unexpectedly stopped sampling. This might be because the target address space has terminated. This message is always accompanied by message CAZ3390E that gives the request number and an error code.

**System action:** The sampling request is terminated and marked as "Failed".

**Operator response:** Contact product support with the post code (*post\_code*) from the accompanying CAZ3390E message as well as the complete FFO STC output.

---

**CAZ3380E** DSPSERV EXTEND error. RC=X" *return\_code*" RSN=X" *reason\_code*".

**Explanation:** Application Performance Analyzer was unable to extend a sampling data space. *return\_code* and *reason\_code* represent the return and reason codes returned by DSPSERV EXTEND.

**System action:** The sampling request will be terminated and the sampling data set might be unusable.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Reference* for information about the DSPSERV EXTEND return and reason codes. Correct the problem then resubmit the sampling request.

---

**CAZ3390I** DW *request\_number* stopping. POST code=*post\_code*.

**Explanation:** This message is reported when the data writer subtask assigned to request *request\_number* has started its shutdown process. The POST code *post\_code* might be ignored. It would be used by product support diagnosis in the event of an error condition.

**System action:** None.

**Operator response:** None.

---

**CAZ3399I** DW *request\_number* terminated. JOB id=*job\_name*.

**Explanation:** This message is reported when the data writer subtask assigned to request *request\_number* and Job *job\_name*, has completed its shutdown process and is about to terminate.

**System action:** None.

**Operator response:** None.

---

**CAZ3400I** ESD extractor for request *request\_number* JOB *job\_name* started.

**Explanation:** This message indicates that a ESD extractor subtask has started. A new ESD extractor subtask is started each time Application Performance Analyzer starts sampling a job. *request\_number* is the request number and *job\_name* is the name of the Job, STC, or TSU that the data writer has been assigned to.

**System action:** None.

**Operator response:** None.

---

**CAZ3410I** EE *request\_number* operating.

**Explanation:** This message indicates that the ESD extractor subtask assigned to request *request\_number* has completed initialization and is now ready for work.

**System action:** None.

**Operator response:** None.

---

**CAZ3420E** EE *request\_number* : ISITMGD. RC=*return\_code* RSN=*reason\_code* for *ddddddd* in PDS *dsn*.

**Explanation:** This message indicates an ISITMGD error occurred while the ESD extractor was attempting determine if data set *dsn* for the request *request\_number*, was SMS managed. *return\_code* and *reason\_code* represent the ISITMGD return and reason codes.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to the *Macro Instructions for Data Sets* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3421E** EE *request\_number* : Allocation error for *dsn* E= *error\_code* I=*information\_code* SMS=*reason\_code*.

**Explanation:** This message indicates a dynamic allocation error occurred while the ESD extractor was attempting to allocate a load library (*dsn*) for module analysis during processing of request *request\_number*. *error\_code*, *information\_code*, and *reason\_code* represent the dynamic allocation error code, information code and SMS reason code respectively.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Guide* for information about the above error codes. Correct the problem and resubmit the sampling request.

---

**CAZ3425E** EE *request\_number* : FIND error.  
RC=*return\_code* RSN=*reason\_code* for  
member *member\_name* for *dsn*.

**Explanation:** This message indicates a FIND error occurred while the ESD extractor was attempting to find the member *member\_name* in load library *dsn* during processing of request *request\_number*. *return\_code* and *reason\_code* represent return and reason codes for FIND.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to *DFSMS Macro Instructions for Data Sets* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3430E** EE *request\_number* : IEWBIND  
Func=STARTD. RC=*return\_code* RSN  
=*reason\_number* for *dsn*.

**Explanation:** This message indicates a IEWBIND STARTD error occurred while the ESD extractor was preparing to extract ESD information from modules in load library *dsn* during processing of request *request\_number*. *return\_code* and *reason\_number* represent return and reason codes for IEWBIND STARTD.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to *DFSMS Program Management* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3431E** EE *request\_number* : IEWBIND  
Func=CREATEW. RC=*return\_code*  
RSN=*reason\_code* for *dsn*.

**Explanation:** This message indicates a IEWBIND CREATEW error occurred while the ESD extractor was preparing to extract ESD information from modules in load library *dsn* during processing of request *request\_number*. *return\_code* and *reason\_code* represent return and reason codes for IEWBIND CREATEW.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to *DFSMS Program Management* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3432E** EE *request\_number* : LOAD error.  
RC=*return\_code* RSN=*reason\_code* for  
ccccccc in *dsn*.

**Explanation:** This message indicates a LOAD error occurred while the ESD extractor was preparing to extract ESD information from modules in load library *dsn* during processing of request *request\_number*. *return\_code* and *reason\_code* represent return and reason codes for LOAD, *ccccccc* represents the load module.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to *MVS Programming: Assembler Services Reference, Volume 1* or *MVS Programming: Assembler Services Reference, Volume 2* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3433E** EE *request\_number* : CSVQUERY error.  
RC=*return\_code* for *module\_name* in *dsn*.

**Explanation:** This message indicates a CSVQUERY error occurred while the ESD extractor was preparing to extract ESD information from module *module\_name* in load library *dsn* during processing of request *request\_number*. *return\_code* represents return code for CSVQUERY.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to *MVS Programming: Assembler Services Reference, Volume 1* or *MVS Programming: Assembler Services Reference, Volume 2* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3434E** EE *rrrr* IEWBIND Func=*ffff*.  
RC=*return\_code* RSN=*reason\_code* for *dsn*,  
*ddn*.

**Explanation:** This message indicates an IEWBIND error occurred while processing function *ffff*. The ESD extractor was extracting ESD information from modules in load library *dsn* allocated to *ddn* during processing of request *rrrr*.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to the *z/OS MVS Program Management: Advanced Facilities* for information about the return and reason codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3436E** EE *request\_number* : IEWBIND Func=  
GETE Type (S). RC=*return\_code*  
RSN=*reason\_code* for *module\_name* in *dsn*.

**Explanation:** This message indicates a IEWBIND GETE error occurred while the ESD extractor was extracting ESD information from module *module\_name* in load library *dsn* during processing of request *request\_number*. *return\_code* and *reason\_code* represent return and reason codes for IEWBIND GETE.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to the *DFSMS Program Management* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3437E** EE *request\_number* : IEWBIND Func=  
GETE Type (ED,ER). RC=*return\_code*  
RSN=*reason\_code* for *module\_name* in *dsn*.

**Explanation:** This message indicates a IEWBIND GETE error occurred while the ESD extractor was extracting ESD information from module *module\_name* in load library *dsn* during processing of request *request\_number*. *return\_code* and *reason\_code* represent return and reason codes for IEWBIND GETE.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to *DFSMS Program Management* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3438E** EE *request\_number* : IEWBIND Func=  
GETE Type (LD,PR). RC=*return\_code*  
RSN=*reason\_code* for *module\_name* in *dsn*.

**Explanation:** This message indicates a IEWBIND GETE error occurred while the ESD extractor was extracting ESD information from module *module\_name* in load library *dsn* during processing of request *request\_number*. *return\_code* and *reason\_code* represent return and reason codes for IEWBIND GETE.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to *DFSMS Program Management* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3439E** EE *request\_number* : IEWBIND Func=  
GETD Type B\_IDRB. RC=*return\_code*  
RSN=*reason\_code* for *module\_name* in *dsn*.

**Explanation:** This message indicates a IEWBIND GETD error occurred while the ESD extractor was extracting ESD information from module *module\_name* in load library *dsn* during processing of request *request\_number*. *module\_name*, *return\_code*, and *reason\_code* represent return and reason codes for IEWBIND GETE.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to *DFSMS Program Management* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3440E** EE *request\_number* : IEWBIND Func=  
GETD Type B\_IDRL. RC=*return\_code*  
RSN=*reason\_code* for *module\_name* in *dsn*.

**Explanation:** This message indicates a IEWBIND GETD error occurred while the ESD extractor was extracting ESD information from module *module\_name* in load library *dsn* during processing of request *request\_number*. *return\_code* and *reason\_code* represent return and reason codes for IEWBIND GETE.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to *DFSMS Program Management* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3441E** EE *request\_number* : IEWBIND Func=  
GETD Type B\_IDRU. RC=*return\_code*  
RSN=*reason\_code* for *module\_name* in *dsn*.

**Explanation:** This message indicates a IEWBIND GETD error occurred while the ESD extractor was extracting ESD information from module *module\_name* in load library *dsn* during processing of request *request\_number*. *return\_code* and *reason\_code* represent return and reason codes for IEWBIND GETE.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to *DFSMS Program Management* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

---

**CAZ3442E** EE *request\_number* : IEWBIND Func=  
GETD Type B\_IDRZ. RC=*return\_code*  
RSN=*reason\_code* for *module\_name* in *dsn*.

**Explanation:** This message indicates a IEWBIND GETD error occurred while the ESD extractor was extracting ESD information from module *module\_name* in load library *dsn* during processing of request *request\_number*. *return\_code* and *reason\_code* represent return and reason codes for IEWBIND GETE.

**System action:** None. Sampling continues, but the user might notice missing load module CSECT information in some of the reports

**Operator response:** Refer to *DFSMS Program Management* for information about the above error codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3447E** Invalid ESD IRB parameters detected.

**Explanation:** This message indicates that the ESD IRB detected invalid input parameters and could not proceed.

**System action:** Sampling continues, but the user might notice missing load module CSECT information in some of the reports. The IRB will be abended.

**Operator response:** Refer to the *z/OS MVS Program Management: Advanced Facilities* for information about the return and reason codes. Correct the problem and resubmit the request if necessary.

---

**CAZ3448E** LOAD error. RC= ~~~~~ RSN=  
~~~~~ HFS: *HFS\_file\_name*.

Explanation: The identified HFS file could not be loaded into storage.

System action: Processing continues, but no CSECT names, function names or compile time stamp information can be extracted.

Operator response: Lookup the return code and reason code values in the *z/OS UNIX System Services Messages and Codes manual* to determine the reason for the failure.

CAZ3449E CSVQUERY error. RC= ~~ HFS:
HFS_file_name.

Explanation: A CSVQUESRY issued against the identified HFS file failed.

System action: Processing continues, but no CSECT names, function names or compile time stamp information can be extracted.

Operator response: Report this error to Application Performance Analyzer support.

CAZ3450E DELETE error. RC= ~~~~~ RSN=
~~~~~ HFS:*HFS\_file\_name*.

**Explanation:** The identified HFS file could not be deleted from storage.

**System action:** Processing continues, but the program remains in memory in the started task address space.

**Operator response:** Lookup the return code and reason code values in the *z/OS UNIX System Services Messages and Codes manual* to determine the reason for the failure.

---

**CAZ3480E** Open for file: *dsn* failed due to a security violation.

**Explanation:** Application Performance Analyzer attempted to open for input the file named by *dsn*, to extract external symbol information. The open failed due to a security violation. For more information, refer to the joblog for other system related messages.

**System action:** Application Performance Analyzer continues processing the sample request. No symbol information will be available for any modules loaded from this file.

**Operator response:** If external symbol information is required, grant read access to the affected file.

---

**CAZ3481E** EE detected an abend and is terminating

**Explanation:** The ESD Extractor has detected an abend while processing a load module and will be terminating.

**System action:** Application Performance Analyzer continues processing the sample request. Symbol information might be missing from some or all modules observed during this sample session.

**Operator response:** Save both the dump and all started task output and then contact customer support.

---

**CAZ3590I** EE *request\_number* stopping.

**Explanation:** This message is reported when the ESD extractor subtask assigned to request *request\_number* has started its shutdown process.

**System action:** None.

**Operator response:** None.

---

**CAZ3599I** DW *request\_number* terminated.

**Explanation:** This message is reported when the ESD extractor subtask assigned to request *request\_number* has completed its shutdown process and is about to terminate.

**System action:** None.

**Operator response:** None.

---

**CAZ3650E** Error creating sampling data space for request: *request\_number*. DSPSERV: RC=*X*" *return\_code*" RSN=*X*"*reason\_code*".

**Explanation:** Application Performance Analyzer detected an error while attempting to create a sampling data space for to request *request\_number*. *return\_code* and *reason\_code* represent the DSPSERV CREATE return and reason codes.

**System action:** The sampling request will not proceed.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Reference* for information about the DSPSERV CREATE return and reason codes. Correct the problem and resubmit the sampling request.

---

**CAZ3652E** Error adding sampling data space ALET for request: *request\_number* ALESERV ADD: RC="*return\_code*".

**Explanation:** Application Performance Analyzer detected an error while attempting to add a sampling data space ALET for to request *request\_number*. *return\_code* represents the ALESERV ADD return code.

**System action:** The sampling request will not proceed.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Reference* for information about the ALESERV ADD return and reason codes. Correct the problem and resubmit the sampling request.

---

**CAZ3700I** HV Extractor for request *rrrr* JOB *jjjjjjj* started.

**Explanation:** A Host Variable Extractor subtask has started. This subtask resolves SQL host variable names as requested by the user on the Measurement Options panel (DB2V - SQL Variables option). The value for *rrrr* is the request number that the data writer has been assigned. The value for *jjjjjjj* is the name of the Job, STC, or TSU being measured.

**System action:** None.

**Operator response:** None.

---

**CAZ3703I** HVXT*rrrr* operating.

**Explanation:** The SQL Host Variable Extractor subtask assigned to request *rrrr* has completed initialization and is now ready for work.

**System action:** None.

**Operator response:** None.

---

**CAZ3704E** DB2 CAF modules failed to load. Error = *mmmm*.

**Explanation:** A required DB2 CAF load module could not be loaded from STEPLIB. *mmmm* - Message CAZ*mmmm* has been issued for this error. Refer to this message for additional error information.

**System action:** Sampling continues without SQL variable name resolution. Reports containing SQL text will not display host variable names.

**Operator response:** Refer to message CAZ*mmmm* for operator response.

---

**CAZ3705E** Unexpected SQL error for *aaaaaaaaaaaa*. Request: *rrrr*.

**Explanation:** An unexpected SQLCODE value was returned by DB2 for a SQL call made by Application Performance Analyzer during SQL host variable resolution.

Additional information is displayed after this message to identify the SQL error. *aaaaaaaaaaaa* identifies the SQL call that received the error.

**System action:** Sampling continues. Depending on the SQL error, reports containing SQL text might not display host variable names.

**Operator response:** Record the error location and the SQL error information that follows this message and contact product support.

---

**CAZ3706I** *Message text*.

**Explanation:** This is a general information message used for diagnostic purposes by product support. The text of the message will vary depending on the diagnostic data to be presented.

**System action:** None.

**Operator response:** None.

---

**CAZ3707E** No SYSPACKSTMT row found for statement. Request: *rrrr*. StmtNo: *sssssss*.

**Explanation:** During SQL host variable resolution, no corresponding rows were found in the DB2 catalog table SYSPACKSTMT for the SQL statement number identified by *sssssss*. *rrrr* is the request number.

**System action:** Sampling continues. Reports containing the SQL statement text for statement number *sssssss* will not display host variable names.

**Operator response:** Record the statement number and request number, and contact product support.

---

---

**CAZ3708E** No SYSSTMT row found for statement.  
Request: rrrr. StmtNo: sssssss.

**Explanation:** During SQL host variable resolution, no corresponding rows were found in the DB2 catalog table SYSSTMT for the SQL statement number identified by sssssss. rrrr is the request number.

**System action:** Sampling continues. Reports containing the SQL statement text for statement number sssssss will not display host variable names.

**Operator response:** Record the statement number and request number, and contact product support.

---

**CAZ3709E** CAZ00073 detected a data space overflow error. One or more samples might be lost.

**Explanation:** The data writer was unable to write one or more sample records to the sample data space. The data space was in the process of being expanded while the sample records were being added to the data space. These records were dropped to avoid overflowing the data space.

**System action:** Sampling continues. Reports containing SQL text might not display all host variable names.

**Operator response:** Record the statement number and request number, and contact product support.

---

**CAZ3710S** Too many abends in: CAZ00073. HV Extractor Sub-task terminating.

**Explanation:** The Host Variable Extractor (HVXT) subtask has exceeded its abend threshold. The subtask will detect and recover from an abend situation. This sequence of recovery will continue until the subtask reaches a threshold point, at which time the subtask will terminate.

**System action:** Sampling continues, but the HVXT subtask terminates. Reports containing SQL text will may not display host variable names.

**Operator response:** Collect failure information and contact product support.

---

**CAZ3711S** Unrecoverable error in: CAZ00073. HV Extractor Subtask terminating.

**Explanation:** The Host Variable Extractor (HVXT) subtask has detected an abend situation and cannot continue. A dump is produced and the subtask terminates.

**System action:** Sampling continues, but the HVXT subtask terminates. Reports containing SQL text will may not display host variable names.

**Operator response:** Collect failure information and contact product support.

---

**CAZ3712E** Error threshold reached for message aaaaaaaa. Message suppressed.

**Explanation:** The Host Variable Extractor (HVXT) subtask has detected a recurring error identified by error message aaaaaaaa. To prevent excessive output from being generated, the error message is suppressed.

**System action:** See message aaaaaaaa.

**Operator response:** See message aaaaaaaa.

---

**CAZ3799I** HVXT ~~~~ terminated.

**Explanation:** This message is reported when the Host Variable Extractor subtask has completed its shutdown process and is about to terminate.

**System action:** None.

**Operator response:** None.

---

**CAZ3910E** Unable to open SYSPRINT data set.

**Explanation:** An error occurred while attempting to open the SYSPRINT data set. Possible cause: user omitted the SYSPINT DD statement from the JCL.

**System action:** The step is terminated.

**Operator response:** Review the job output for possible system messages related to this DD statement.

---

**CAZ3911E** Unable to open SYSIN data set.

**Explanation:** An error occurred while attempting to open the SYSIN data set. Possible cause: user omitted the SYSIN DD statement from the JCL.

**System action:** The step is terminated.

**Operator response:** Review the job output for possible system messages related to this DD statement.

---

**CAZ3912E** Invalid EXEC parameter specified: "parameter".

**Explanation:** An invalid EXEC parameter string was detected. Currently the only valid parameter is the FFID keyword and value.

**System action:** The step is terminated.

**Operator response:** Review the EXEC parameters to ensure that only an FFID keyword value pair is specified, for example: 'FFID=CAZ0'.

---

**CAZ3913E** Command string ended prematurely.

**Explanation:** End of file was reached on the SYSIN data set prior to detecting the end of a command string.

**System action:** Processing continues to the next command string.

**Operator response:** Review the command string that preceded this message and ensure that it is terminated with a semicolon.

---

**CAZ3914E Command string contains unrecognized syntax.**

**Explanation:** The command string that precedes this message contains a syntax error. Possible cause: command name that was not specified or the command name is not a known command.

**System action:** Processing continues to the next command string.

**Operator response:** Review the command string that preceded this message for errors.

---

**CAZ3915W No commands detected in input SYSIN.**

**Explanation:** No valid command strings were detected in the SYSIN input data set. This is a warning message and indicates that the Batch Interface did not find any valid commands to process.

**System action:** The step is terminated.

**Operator response:** Review the SYSPRINT output for error messages that might precede this message.

---

**CAZ3916E SYSIN input file is empty.**

**Explanation:** A SYSIN data set was specified but was found to be empty.

**System action:** The step is terminated.

**Operator response:** Ensure the SYSIN data set contains valid command strings.

---

**CAZ3917I Command successfully processed, RC=0000.**

**Explanation:** The command that precedes this message has been successfully processed by the Application Performance Analyzer started task.

**System action:** Processing continues to the next command string.

**Operator response:** None.

---

**CAZ3918E The STCID key value pair was not specified in the EXEC parameters. Commands could not be processed. Active STCIDs follow:**

**Explanation:** The user did not specify an Application Performance Analyzer ID ('STCID=xxx') keyword value pair and the Batch Interface attempted to use the Application Performance Analyzer ID that was currently active on the system. This was not possible since there were more than one active Application Performance Analyzer IDs on this system.

This message is followed by a list of active Application Performance Analyzer IDs. For example:

| STCID | Version |
|-------|---------|
| CAZ1  | 1.100A  |
| CAZ2  | 1.100B  |
| CAZ3  | 1.100B  |
| CAZ4  | 1.100B  |

**System action:** The step is terminated.

**Operator response:** Specify an STCID keyword value in the EXEC parameters.

---

**CAZ3919E Application Performance Analyzer started task with FFID=aaaa not active, processing cannot proceed.**

**Explanation:** The user specified an Application Performance Analyzer ID of *aaaa*. This ID was not active at the time the Batch Interface ran.

**System action:** The step is terminated.

**Operator response:** Ensure that Application Performance Analyzer started task is active when running the Batch Interface.

---

**CAZ3920E There are no Application Performance Analyzer started tasks defined to this system, processing cannot proceed.**

**Explanation:** The user did not specify an FFID key value pair EXEC parameter; and the system had no Application Performance Analyzer ID defined to it for which the Batch Interface could use as a default ID.

**System action:** The step is terminated.

**Operator response:** Ensure that Application Performance Analyzer started task is active when running the Batch Interface.

---

**CAZ3922E Command failed, RC=return\_code**

**Explanation:** The command that precedes this message failed to process successfully.

**System action:** Processing continues to the next command string.

**Operator response:** This message will be preceded by diagnostic messages that describe the cause of the failure.

---

**CAZ3923I Application Performance Analyzer Batch Interface terminating, highest return code is: return\_code.**

**Explanation:** This message indicates that the Batch Interface is has completed processing and is terminating. *return\_code* represents the highest return code detected during processing.



**System action:** The step is terminated.

**Operator response:** None.

---

**CAZ3924E** Command string is too long for internal command buffer. Command could not be processed.

**Explanation:** The command string that precedes this message is too long for CAZBATCH's internal command buffer and cannot be processed.

**System action:** Processing continues to the next command string.

**Operator response:** Reduce the size of the command string by combining multiple input records for this command string into fewer records.

---

**CAZ4700E** Unable to schedule SRB for JOB *job\_name*. RC=*return\_code*.

**Explanation:** Application Performance Analyzer was unable to reschedule a sampling SRB in the target address spaced specified by job *job\_name*. *return\_code* represents the IEAMSCHD return code.

**System action:** The sampling request will be terminated. The sample might be unusable.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Reference* for information about the IEAMSCHD return and reason codes. Correct the problem and resubmit the sampling request.

---

**CAZ4701E** Unable to schedule SRB. JOB *job\_name* and ASID X"*identifier*" no longer valid.

**Explanation:** Application Performance Analyzer was unable to reschedule a sampling SRB in the target address spaced specified by job *job\_name* and ASID *identifier*. Application Performance Analyzer has detected that the address space has terminated.

**System action:** The sampling request will be terminated. The sample might be unusable.

**Operator response:** Resubmit the sampling request.

---

**CAZ4702E** Unable to schedule SRB for JOB *job\_name* Abend code is X"*return\_code*".

**Explanation:** Application Performance Analyzer was unable to reschedule a sampling SRB in the target address spaced specified by job *job\_name* due to a system abend *return\_code*. Abend summary information will follow in Message:

**System action:** The sampling request will be terminated. The sample might be unusable.

**Operator response:** Resubmit the sampling request.

---

**CAZ4703I** variable text message

**Explanation:** This message containsabend summary information useful to product support. This message will be preceded by message CAZ4702S.

**System action:** None.

**Operator response:** Record these error messages and refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ4805E** SRB ALESERV ADD failed at { initialization | EOJ }. RC=*return\_code*.

**Explanation:** The Application Performance Analyzer sampling SRB detected an error while attempting to add a sampling data space ALET. *return\_code* represents the ALESERV ADD return code.

**System action:** The sampling request will not proceed.

**Operator response:** Refer to *MVS Programming: Authorized Assembler Services Reference* for information about the ALESERV ADD return and reason codes. Correct the problem and resubmit the sampling request.

---

**CAZ5001E** CICS sampling cannot proceed - invalid JSTCB parameter detected.

**Explanation:** This is an internal error.

**System action:** The sampling request will not proceed.

**Operator response:** If this problem persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ5002E** CICS sampling cannot proceed - internal CICS version table is invalid.

**Explanation:** This is an internal error.

**System action:** The sampling request will not proceed.

**Operator response:** If this problem persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ5003E** CICS sampling cannot proceed - unsupported version of CICS; Diag=*aaaaaaaa*.

**Explanation:** The version of CICS is not supported, Application Performance Analyzer cannot measure this CICS region.

**System action:** The sampling request will not proceed.

**Operator response:** Refer to Application Performance Analyzer *Program Directory* to see which versions of CICS are supported.

---

**CAZ5201E OPEN of CONFIG file failed**

**Explanation:** The configuration file OPEN failed. This file is allocated (in JCL) to DDNAME=CONFIG. This error occurs if the CONFIG DD statement is missing or the file is not a sequential FB LRECL=80 data set.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Correct the CONFIG DD statement or the configuration file.

---

**CAZ5202E Fatal errors processing CONFIG file**

**Explanation:** Errors were encountered in CONFIG statements in the CONFIG file. Details of the error(s) follow in separate messages.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Refer to the *Customization Guide* for information about defining started task configuration settings.

---

**CAZ5203E Parsing error in CONFIG SM/TM**

**Explanation:** This is an internal error and can occur only if certain internal templates are syntactically invalid. This error should also be accompanied by an AJTnnnn message providing additional details as well as a CAZ5205E message.

**System action:** Processing terminates.

**Operator response:** Report the problem to product support.

---

**CAZ5204E Processing error in loadDRT of CONFIG SM /TM**

**Explanation:** This is an internal error and can occur only if certain internal templates are syntactically invalid. This error should also be accompanied by an AJTnnnn message.

**System action:** Processing terminates.

**Operator response:** Report the problem to product support.

---

**CAZ5205E Error processing object=object\_name**

**Explanation:** This is an internal error and can occur only if certain internal templates are syntactically invalid. This message accompanies a CAZ5203E message and indicates which CONFIG object (*object\_name*) was being processed when the error occurred.

**System action:** Processing terminates.

**Operator response:** Report the problem to product support.

---

**CAZ5206E Error processing object=object\_name**

**Explanation:** This is an internal error and can occur only if certain internal templates are syntactically invalid. This message accompanies a CAZ5204E message and indicates which CONFIG object (*object\_name*) was being processed when the error occurred.

**System action:** Processing terminates.

**Operator response:** Report the problem to product support.

---

**CAZ5207I CONFIG file processed successfully**

**Explanation:** This indicates that all statements in the CONFIG file were processed successfully.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ5208E CONFIG BASIC keyword: SPXGroupName contains a value: group\_name, which matches the name of the Sysplex.**

**Explanation:** The group name specified for *SPXGroupName* is the same as the name used to identify your Sysplex. This value is not allowed as an Application Performance Analyzer group name.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Refer to the Application Performance Analyzer *Customization Guide* for information how to code this keyword value.

---

**CAZ5209E Required parameter(aaaaaaaa) missing for bbbbbbbb keyword: Keyword cccccccc**

**Explanation:** The parameter specified by *aaaaaaaa* was required and missing for the keyword specified by *ccccccc* in the CONFIG object named by *bbbbbbbb*.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Correct the error in the CONFIG file and restart Application Performance Analyzer.

---

**CAZ5210E Rec. record\_number contains invalid object**

**Explanation:** This message indicates the record number *record\_number* of a CONFIG statement in the CONFIG file. The object specified on this CONFIG

statement is invalid. This error will also be accompanied by a CAZ5202E message.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Refer to the Application Performance Analyzer *Customization Guide* for information about defining started task configuration settings.

---

**CAZ5211E Rec. record\_number contains errors**

**Explanation:** This message indicates that an error was encountered while parsing a CONFIG statement. The record number indicates the CONFIG file record where the CONFIG statement begins. The actual error might have been detected on a continuation record. One or more error messages are issued by the parser in the form AJTnnnnE which provide information about the error.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Refer to the Application Performance Analyzer *Customization Guide* for information about defining started task configuration settings.

---

**CAZ5219E 'CONFIG SAMPLE'  
Keyword:DB2Explain, specified a  
mutually exclusive subsystem value**

**Explanation:** This message indicates that a subsystem value of "\*" was specified in other than the first occurrence of the DB2Explain keyword. If the DB2Explain keyword specifies a subsystem value of "\*", then no further occurrences of the DB2Explain keyword are permitted.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Correct the error in the CONFIG file and restart Application Performance Analyzer.

---

**CAZ5212I Rec. record\_number processed  
successfully**

**Explanation:** The record number indicates a record in the CONFIG file at which a CONFIG statement begins. This indicates that the CONFIG statement was processed successfully.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ5213E Rec. record\_number unrecognized syntax**

**Explanation:** The record number indicates a CONFIG file record in which unrecognizable statement was encountered. A statement with the following syntax was expected: CONFIG *jobname* ...

**System action:** Application Performance Analyzer terminates.

**Operator response:** Correct the error in the CONFIG file and restart the job.

---

**CAZ5214E Rec. record\_number expression ended  
prematurely**

**Explanation:** The record number indicates a CONFIG file record at which a CONFIG statement begins. End of file on the CONFIG file was encountered before the end of the CONFIG statement. This is probably caused by a missing semicolon delimiter which should appear at the end of the expression.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Correct the error in the CONFIG file and restart the job.

---

**CAZ5215E Invalid value for CONFIG object\_name  
keyword: keyword [, Positional Parm:  
value] [; Value: invalid\_value**

**Explanation:** A value for the CONFIG object named by *object\_name* contained a keyword name by: *keyword* that specified an invalid value. If the keyword supports multiple positional parameters, then the numeric position will be specified by *value*. This message might optionally display the *invalid\_value*.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Correct the error in the CONFIG file and restart Application Performance Analyzer.

---

**CAZ5216E UNIT: value in 'CONFIG BASIC' could  
not be found in EDT.**

**Explanation:** The value specified for the UNIT keyword in the CONFIG BASIC object is not defined to the system.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Correct the error in the CONFIG file and restart the job.

---

**CAZ5217E** Error validating 'CONFIG BASIC'  
**UNIT:** *value*. EDTINFO RC=*return\_code*  
RSN=*reason\_code*.

**Explanation:** An EDTINFO error occurred validating the CONFIG BASIC UNIT value.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find a possible resolution to this problem.

---

**CAZ5218E** Invalid value for CONFIG LOG  
Keyword LogHLQ

**Explanation:** LogHLQ does not conform to DSN standards.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Correct the LogHLQ parameter in the CONFIG file and restart the job.

---

**CAZ5220E** Invalid ADATA File.

**Explanation:** This error can occur while attempting to extract source program mapping information from an assembly ADATA file. It indicates that no source type records (type X'0030') were found in the ADATA file or no Job ID (type X'0000') record was found. Either of these conditions probably indicate an invalid ADATA file.

**System action:** The ISPF dialog is terminated.

**Operator response:** Recreate the ADATA file by reassembling the program in error and retry the operation.

---

**CAZ5221E** Invalid map type requested

**Explanation:** This error is raised if the requested map type is not recognized.

**System action:** The ISPF dialog is terminated.

**Operator response:** Refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find a possible resolution to this problem.

---

**CAZ5223E** PROGRAM-ID found in COBOL  
program

**Explanation:** This error is raised if a PROGRAM-ID statement could not be found in the requested COBOL source file. Application Performance Analyzer is unable to determine the CSECT name of the program if a PROGRAM-ID statement can not be found.

**System action:** The ISPF dialog is terminated.

**Operator response:** Ensure that a valid COBOL source listing was associated with the program. If not, correct the definition and retry the operation.

---

**CAZ5224E** Invalid compiler listing

**Explanation:** This error is raised if a compiler listing is empty or incomplete.

**System action:** The ISPF dialog is terminated.

**Operator response:** Ensure that a valid compiler listing was associated with the program. If not, correct the definition and retry the operation.

---

**CAZ5225E** Unrecognized compiler

**Explanation:** This error is raised if the type or version of the compiler cannot be recognized from the listing.

**System action:** The ISPF dialog is terminated.

**Operator response:** Ensure that a valid compiler listing was associated with the program. If not, correct the definition and retry the operation.

---

**CAZ5226E** Required compile options not present

**Explanation:** This error is raised if a compiler listing does not have the required options listed. For example, a COBOL program must be compiled with the SOURCE and (MAP or LIST) options.

**System action:** The ISPF dialog is terminated.

**Operator response:** Refer to the Application Performance Analyzer *User's Guide* for information regarding the correct compiler options. Recompile your program with these options and retry the operation.

---

**CAZ5231E** Rec. *record\_number* contains errors

**Explanation:** A PRINT control statement contained errors. *record\_number* represents the input line number of the statement in error. This message will be followed by message CAZ5232E.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the CAZCTL input and rerun the job.

---

**CAZ5232E** Invalid report code in SECTION  
statement

**Explanation:** A PRINT control statement specified an unknown report code in the SECTION statement. This message follows message: CAZ5231E.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the CAZCTL input and rerun the job.

---

**CAZ5233E Missing or unrecognizable report code in SECTION statement**

**Explanation:** A PRINT control statement specified omitted the report code in the SECTION statement. This message follows message: CAZ5231E.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the CAZCTL input and rerun the job.

---

**CAZ5234E CAZCTL file contains no valid statements**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. During its prescan of records specified to ddname CAZCTL, CAZPRINT did not find any valid statements.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the CAZCTL input and rerun the job.

---

**CAZ5235E No PROFILE statement found**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. No PROFILE statement was found in the CAZCTL input file. At least one PROFILE statement is required. A PROFILE statement specifies a measurement file from which the report is to be produced.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5236E No SECTION statement found**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. No SECTION statement was found in the CAZCTL input file. At least one SECTION statement is required. A SECTION statement specifies a section to be included in the performance analysis report.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5237E No PRINT or CONVERT statement found**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. No PRINT or CONVERT statement was found in the CAZCTL input file. At least one PRINT or CONVERT statement is required. PRINT or CONVERT specifies a destination for the performance analysis report.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5238E PROFILE statement must precede SECTION statement**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. A SECTION statement was encountered in the CAZCTL input file which was not preceded by a PROFILE statement. A PROFILE statement specifies a measurement file from which the report is to be produced and must appear before any corresponding SECTION statements.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5239E PROFILE statement must precede MAP statement**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. A MAP statement was encountered in the CAZCTL input file which was not preceded by a PROFILE statement. A PROFILE statement specifies a measurement file from which the report is to be produced and must appear before any corresponding MAP statements.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5240E SECTION statement must precede PRINT statement**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. A PRINT or CONVERT statement was encountered in the CAZCTL input file which was not preceded by a SECTION statement.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5241E PROFILE Stmt at record *record\_number* specifies slot *slot\_number* used in a previous PROFILE**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. A PROFILE statement *record\_number*, specified a slot number *slot\_number* (01 to 99) which was already specified in a previous PROFILE statement. Each PROFILE statement must specify a unique slot value.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5242E SECTION Stmt at record *record\_number* specifies slot *slot\_number* not specified in a PROFILE stmt**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. A SECTION statement *record\_number*, specified a slot number (in its PROFILE=*slot\_number* parameter) which was not previously specified in a PROFILE statement. A SECTION statement with the PROFILE=*slot\_number* parameter omitted defaults to slot 01.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5243E Print file for ddname *ddname* open failure**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. The output file with the indicated ddname could not be opened. The ddname is specified in a PRINT statement and a corresponding DD statement must be included in the JCL.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5244E PRINT for ddname *ddname* has no SECTION definitions**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. A PRINT statement was encountered for which no corresponding SECTION statements were processed. SECTION statements must precede the PRINT statement.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5245E File for ddname *ddname* open failure**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. The output file with the indicated ddname could not be opened. The ddname is specified in a CONVERT statement and a corresponding DD statement must be included in the JCL.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5246E CONVERT for ddname *ddname* has no SECTION definitions**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. A CONVERT statement was encountered for which no corresponding SECTION statements were processed. SECTION statements must precede the CONVERT statement.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5247E MAP statement at record *record\_number* specifies slot *slot\_number* not specified in a PROFILE stmt**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. A MAP statement *record\_number*, specified a slot number *slot\_number* in PROFILE=*slot\_number* for which there was no corresponding PROFILE statement.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5249E MAP statement at record *record\_number* specifies invalid DSN value**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. The DSN parameter in a MAP statement specified a data set name which is syntactically incorrect.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5250E MAP statement at record *record\_number* specifies invalid MEMBER value**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. The MEMBER parameter in a MAP statement specified a PDS member name which is syntactically incorrect.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5251E MAP statement at record *record\_number* specified data set not found**

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. The data set specified in the DSN parameter of a MAP statement was not found in the catalog.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5252E** MAP statement at record *record\_number* specifies data set with incorrect DSORG

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. A MAP statement specified a data set with an incorrect organization. This error can occur if the specified data set is partitioned and no MEMBER was specified in the MAP statement or if the data set is not partitioned and a MEMBER was specified in the MAP statement.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5253E** MAP statement at record *record\_number* specifies previously loaded map file

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. A MAP statement specified a source mapping data set which has already been processed by a previous MAP statement.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5254E** MAP statement at record *record\_number* specifies member that cannot be located

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. A map statement specified a PDS member which was not found in the specified library.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5255E** MAP statement at record *record\_number* data set allocation failed

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. Allocation of the data set specified in a MAP statement failed.

**System action:** PRINT processing is terminated.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5256I** MAP statement at record *record\_number* source mapped to CSECT *CSECT\_name*

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. This is an information message. It indicates that the source

mapping data described in a MAP statement was successfully loaded and mapped to the indicated CSECT in the measurement data.

**System action:** None.

**Operator response:** None.

---

**CAZ5257W** MAP statement at record *record\_number* no matching CSECTs found

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. This message is a warning. It indicates that source mapping data specified in a MAP statement was successfully loaded, but no data exists in the measurement file for program(s) mapped by this data.

**System action:** None.

**Operator response:** None.

---

**CAZ5258I** Prescan of control statements completed

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. This is a normal informational message indicating the initial prescan of CAZCTL statements was successful.

**System action:** None.

**Operator response:** None.

---

**CAZ5259I** Syntax checking of control statements completed

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. This is a normal informational message indicating the CAZCTL statements were syntax checked and no errors were found.

**System action:** None.

**Operator response:** None.

---

**CAZ5260W** Name *program\_name* specified in record *record\_number* not found in measurement data

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. This message is a warning. A SECTION statement for source mapping reporting specified a program name in its PROGRAM= parameter for which no measurement data was found.

**System action:** None.

**Operator response:** Correct the JCL or CAZCTL input and rerun the job.

---

**CAZ5261W** Name *program\_name* specified in record *record\_number* not specified in a MAP statement

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. This message is a warning. A SECTION statement for source mapping reporting specified a program name in its PROGRAM= parameter for which no source mapping data was specified in a MAP statement. This message is a warning.

**System action:** None.

**Operator response:** None.

---

**CAZ5262I** SECTION *section\_name* (record *record\_number*) excluded because no *data\_type* measurement data exists

**Explanation:** This message is issued by the printed report formatting facility - CAZPRINT. This message is informational. It indicates that a report section *section\_name* specified in a SECTION statement was omitted because the specific type of data pertaining to that report section does not exist in the measurement file. For example, a DB2 report section was specified but no DB2 activity was measured.

**System action:** None.

**Operator response:** None.

---

**CAZ5263E** COBOL compile options heading not found

**Explanation:** This error is raised during processing of a COBOL compile listing file. A line containing the text 'OPTIONS IN EFFECT:' or '\*OPTIONS IN EFFECT\*' in col 1 could not be found. This is the heading expected on a page containing information about compile options. The matching of this text is not case sensitive.

**System action:** The COBOL compile listing file cannot be processed.

**Operator response:** Check that the COBOL compile listing file is valid.

---

**CAZ5264E** No source statements found after compile options

**Explanation:** This error is raised during processing of a COBOL compile listing file. A line containing the text 'OPTIONS IN EFFECT:' or '\*OPTIONS IN EFFECT\*' was found and compile option information was extracted. Source lines were expected to be found in the listing file after the option information but no such records were found. The file might have been truncated in the middle of the compile options section. The end of this section is recognized by a record containing blanks in columns 1 to 4.

**System action:** The COBOL compile listing file cannot be processed.

**Operator response:** Check that the COBOL compile listing file is valid.

---

**CAZ5265E** PMAP (OFFSET) section not found in COBOL listing

**Explanation:** This error is raised during processing of a COBOL compile listing file. A line containing the text 'LINE # HEXLOC VERB' in col 1 could not be found in the listing file. This is the heading expected on a page containing PMAP offset information. The matching of this text is not case sensitive.

**System action:** The COBOL compile listing file cannot be processed.

**Operator response:** Check that the COBOL compile listing file is valid.

---

**CAZ5266E** File ended after PMAP heading

**Explanation:** This error is raised during processing of a COBOL compiler listing file. A PMAP heading record containing 'LINE # HEXLOC VERB' was found, but EOF was encountered unexpectedly while processing PMAP detail lines. The file might have been truncated.

**System action:** The COBOL compile listing file cannot be processed.

**Operator response:** Check that the COBOL compile listing file is valid.

---

**CAZ5267E** COBOL source listing ended prematurely

**Explanation:** EOF was encountered in a COBOL source listing file within the first 3 records.

**System action:** The COBOL compile listing file cannot be processed.

**Operator response:** Check that the COBOL compile listing file is valid.

---

**CAZ5268E** COBOL source heading line not found

**Explanation:** This error is raised during the prescan of a COBOL listing file if no line containing 'LINEID PL SL' in col 1 is found. This is the heading expected on a page containing COBOL source statements. The matching is not case sensitive.

**System action:** The COBOL compile listing file cannot be processed.

**Operator response:** Check that the COBOL compile listing file is valid.

---



---

**CAZ5302E** Error validating 'CONFIG BASIC'  
**Keyword:** *SecurityClassName*, **Value:**  
*class\_name*.

**Explanation:** This message is the first a two part message. It indicates a validation error with class name specified by *class\_name*. Refer to message CAZ5303E for details on this error.

**System action:** Application Performance Analyzer terminates.

**Operator response:** See message CAZ5303E.

---

**CAZ5303E** RACROUTE REQUEST=STAT error:  
**SAF\_RC=***saf\_retcode*, **RACF\_(RC,RSN) =**  
*(racf\_retcode,racf\_rsncode)*.

**Explanation:** This message accompanies CAZ5302E and provides details of the problem. Application Performance Analyzer attempted to verify the existence of the class name specified by Keyword: *SecurityClassName* by issuing the RACROUTE REQUEST=STAT service. This service failed with the errors specified.

Refer to the *z/OS SecureWay Security Server External Security Interface (RACROUTE) Macro Reference* for details on the following error codes:

- *saf\_retcode* - represents the SAF return code
- *racf\_retcode* - represents the RACF return code (if applicable)
- *racf\_rsncode* - represents the RACF reason code (if applicable)

**System action:** Application Performance Analyzer terminates.

**Operator response:** Correct the error based on the information provided by the error codes.

---

**CAZ5304E** MLPA data set not found.

**Explanation:** The named data set is not in the catalog, or the data set is in the catalog but not on the volume specified by the catalog entry.

**System action:** The started task does not initialize.

**Operator response:** Correct the data set name specified and restart the started task.

---

**CAZ5305E** Invalid Extractor

**Explanation:** Parm ExtractorsOnByDefault in CAZCNFG0 member has an invalid extractor coded.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Correct or remove the invalid parameter in ExtractorsOnByDefault and restart the Application Performance Analyzer started task. See the installation guide for valid extractor values.

---

---

**CAZ5306E** DB2+ cannot be selected when DB2I not enabled

**Explanation:** Parm ExtractorsOnByDefault has DB2+ coded, but DB2I has not been enabled.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Either set DB2I=Yes in the configuration or remove DB2+ from ExtractorsOnByDefault, then restart the Application Performance Analyzer started task.

---

**CAZ5307E** DB2V cannot be selected when DB2I not enabled

**Explanation:** Parm ExtractorsOnByDefault has DB2V coded, but DB2I has not been enabled.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Either set DB2I=Yes in the configuration or remove DB2+ from ExtractorsOnByDefault, then restart the Application Performance Analyzer started task.

---

**CAZ5308E** IMS+ cannot be selected when IMSI not enabled

**Explanation:** Parm ExtractorsOnByDefault has IMS+ coded, but IMSI has not been enabled.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Either set IMSI=Yes in the configuration or remove IMS+ from ExtractorsOnByDefault, then restart the Application Performance Analyzer started task.

---

**CAZ6001I** DB2 EXPLAIN Request Servicing Subtask started

**Explanation:** This message indicates that the XRS subtask has started the process of initializing.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ6002I** DB2 EXPLAIN Request Servicing Subtask now operating

**Explanation:** This message indicates that the XRS subtask has completed initialization and is ready for work.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

---

**CAZ6003I DB2 EXPLAIN Request Servicing Subtask stopping**

**Explanation:** This message indicates that the XRS subtask has completed initialization and is ready for work.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ6003I DB2 EXPLAIN Request Servicing Subtask stopping**

**Explanation:** This message indicates that the XRS subtask has started its shutdown process.

**System action:** None.

**Operator response:** None.

---

**CAZ6004I DB2 EXPLAIN Request Servicing Subtask terminated**

**Explanation:** This message indicates that the XRS subtask has completed its shutdown process and is terminating.

**System action:** None.

**Operator response:** None.

---

**CAZ6012S Too many abends in CAZ00072. DB2 EXPLAIN Servicing Subtask terminating**

**Explanation:** This message is reported when the XRS subtask has exceeded its abend threshold. The subtask will detect and recover from an abend situation. This sequence of recovery will continue until the subtask reaches a threshold point, at which time the subtask will terminate. At this point, reporting requests for DB2 EXPLAIN will fail until the start task is recycled.

**System action:** None.

**Operator response:** None.

---

**CAZ6013E No INVOKER ID found for EXPLAIN. Request: request\_variable Userid: user\_ID**

**Explanation:** The EXPLAIN request was for a SQL statement that belongs to a stored procedure. The EXPLAIN request did not identify the invoker of the stored procedure.

**System action:** The request fails.

**Operator response:** Report this error to Application Performance Analyzer support.

---

---

**CAZ6014E No plan or package info for EXPLAIN. Request: request\_variable Userid: user\_ID.**

**Explanation:** The EXPLAIN request did not identify a DB2 plan and did not identify a DB2 package for the SQL statement.

**System action:** The request fails.

**Operator response:** Report this error to Application Performance Analyzer support.

---

**CAZ6015E Unexpected SQL error for SQL\_call. Request: request\_variable Userid: user\_ID.**

**Explanation:** An unexpected SQLCODE value was returned by DB2 for a SQL call made by Application Performance Analyzer during the processing of an EXPLAIN request. Additional information is displayed after this message to identify the SQL error. If the error is for *D0601 EXEC*, then the requested SQL statement might not be valid for EXPLAIN processing.

**System action:** The request fails.

**Operator response:** Determine if the requested SQL statement is valid for EXPLAIN processing. Contact product support if you believe that the error is caused by Application Performance Analyzer.

---

**CAZ6016E Unauthorized EXPLAIN for SQL\_statement. Request: request\_variable Userid: user\_ID.**

**Explanation:** The EXPLAIN request was for a SQL statement that runs on the DB2 subsystem identified by *SQL\_statement*. This subsystem has not been listed for EXPLAIN processing in the configuration parameters of the started task.

**System action:** The request fails.

**Operator response:** Contact your system administrator to determine why the identified DB2 subsystem is not listed for EXPLAIN processing by Application Performance Analyzer.

---

**CAZ6017E No stored procedure ID for EXPLAIN. Request: request\_variable Userid: user\_ID.**

**Explanation:** The EXPLAIN request was for a SQL statement that belongs to a stored procedure. The EXPLAIN request did not identify the stored procedure name.

**System action:** The request fails.

**Operator response:** Report this error to Application Performance Analyzer support.

---

---

**CAZ6018E** No *row\_identifier* row found for EXPLAIN. **Request:** *request\_variable*  
**Userid:** *user\_ID*.

**Explanation:** No corresponding row was found in the catalog table identified by *row\_identifier* for the SQL statement specified in an EXPLAIN request.

**System action:** The request fails.

**Operator response:** Determine if the requested SQL statement is still valid for EXPLAIN processing. If the observation request identified by *request\_variable* is old, the required row might no longer exist in the catalog. Contact product support if you believe Application Performance Analyzer caused the error.

---

**CAZ6019E** SQL statement too big for EXPLAIN.  
**Request:** *request\_variable* **Userid:** *user\_ID*.

**Explanation:** The SQL statement selected for EXPLAIN exceeds the maximum size supported by Application Performance Analyzer.

**System action:** The request fails.

**Operator response:** None.

---

**CAZ6020E** Incompatible message versions,  
**Diag=(a,b,c,d,e,f)**

**Explanation:** This message is reported when the XRS subtask detects that the requestors message version is incompatible with the servicing XRS. This error can occur when the ISPF front end requesting the DB2 Explain is at a different version than the Application Performance Analyzer started task servicing the request. Both components must be running at the same version level.

The values specified in the *Diag* keyword are as follows:

- a Represents the requestor's system name
- b Represents the servicing system name
- c Represents the requestor's version
- d Represents the servicing version
- e Represents the requesting TSO user ID
- f Represents the observation request number

**System action:** The request fails.

**Operator response:** Contact your system administrator.

---

**CAZ6021E** No *qualifier\_variable* PLAN\_TABLE for EXPLAIN. **Request:** *request\_variable*  
**Userid:** *user\_ID*.

**Explanation:** There is no PLAN\_TABLE defined for the qualifier specified by *qualifier\_variable*. If the qualifier is for the Application Performance Analyzer

started task, then the installation of Application Performance Analyzer has not been completed properly. If the qualifier is for the statement being explained, then Application Performance Analyzer has been configured without automatic PLAN\_TABLE creation for the DB2 subsystem to which the requested SQL statement belongs.

**System action:** The request fails.

**Operator response:** Notify your system administrator.

---

**CAZ6022E** No CURRENT PATH for EXPLAIN.  
**Request:** *request\_variable* **Userid:** *user\_ID*.

**Explanation:** The EXPLAIN request did not identify a CURRENT PATH for the SQL statement.

**System action:** The request fails.

**Operator response:** Report this error to Application Performance Analyzer support.

---

**CAZ6025E** This Application Performance Analyzer instance is not part of a SYSPLEX group, operation is not possible.

**Explanation:** You are attempting to perform an EXPLAIN request for an SQL statement that executed on a system other than the one you are currently connected to through Application Performance Analyzer. This instance of Application Performance Analyzer is not part of a sysplex group and therefore cannot communicate your EXPLAIN request to the target for processing.

**System action:** The request fails.

**Operator response:** Report this error to your system administrator.

---

**CAZ6026E** Internal error, SYSPLEX output processor is not available.

**Explanation:** The sysplex output processor for the instance of Application Performance Analyzer that you are currently connected to is down and cannot process your request. The most likely cause for this message is that the OUTPUT processor has abended and could not recover.

**System action:** The request fails.

**Operator response:** Report this error to your system administrator.

---

**CAZCAZ6027E** No USER Authid for EXPLAIN.  
**Request:** *request\_variable* **Userid:** *user\_ID*.

**Explanation:** The EXPLAIN request did not identify a USER AuthID for the SQL statement.

**System action:** The request fails.

**Operator response:** Report this error to Application

Performance Analyzer support.

---

**CAZ6103I IEFUSI Request Servicing subtask now operating**

**Explanation:** This message indicates that the named component of Application Performance Analyzer has completed initialization and is ready for work.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ6106S Variable text.**

**Explanation:** This message is issued whenever the URSS subtask detects an abend. It contains abend summary information useful to product support.

**System action:** The URSS subtask will attempt to recover from the abend.

**Operator response:** Record these error messages and refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ6107I IEFUSI Request Servicing subtask started.**

**Explanation:** This message indicates that the URSS subtask has started the process of initializing.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ6190I IEFUSI Request Servicing subtask stopping.**

**Explanation:** This message is reported when the URSS subtask has started its shutdown process.

**System action:** None.

**Operator response:** None.

---

**CAZ6191I IEFUSI Request Servicing subtask terminated.**

**Explanation:** This message is reported when the URSS subtask has completed its shutdown process and is about to terminate.

**System action:** None.

**Operator response:** None.

---

**CAZ6199S Too many abends in CAZ00100. IEFUSI Request Servicing subtask terminating.**

**Explanation:** This message is reported when the URSS subtask has exceeded its abend threshold. The subtask will detect and recover from an abend situation. This sequence of recovery will continue until the subtask reaches a threshold point, at which time the subtask will terminate. This message will be preceded by numerous CAZ6106S messages.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Attempt to restart Application Performance Analyzer.

---

**CAZ6200I Sampling Request Monitor Subtask started.**

**Explanation:** The message indicates that the Sampling Request Monitor Subtask (SRMS) has started the process of initializing.

**System action:** Application Performance Analyzer continues initializing.

**Operator response:** None.

---

**CAZ6201I Sampling Request Monitor Subtask started.**

**Explanation:** The message indicates that the Sampling Request Monitor Subtask (SRMS) has started the process of initializing.

**System action:** Application Performance Analyzer continues initializing.

**Operator response:** None.

---

**CAZ6202I Sampling Request Monitor Subtask stopping.**

**Explanation:** The message indicates that the Sampling Request Monitor Subtask (SRMS) has started its shutdown process.

**System action:** None.

**Operator response:** None.

---

**CAZ6203I Sampling Request Monitor Subtask terminated.**

**Explanation:** The message indicates that the Sampling Request Monitor Subtask (SRMS) has completed its shutdown process and is about to terminate.

**System action:** None.

**Operator response:** None.

---

---

**CAZ6204S** Too many abends in: CAZ00061.  
Sampling Request Monitoring Subtask  
is terminating.

**Explanation:** The message indicates that the Sampling Request Monitor Subtask (SRMS) has exceeded its abend threshold. The subtask will detect and recover from abend situations. This sequence of recovery will continue until the subtask reaches a threshold point, at which time the subtask will terminate. At this point Threshold Monitoring will cease until the started task is recycled.

**System action:** None.

**Operator response:** Report this error to Application Performance Analyzer support.

---

**CAZ6205S** Internal Error - structure size mismatch  
(size1,size2).

**Explanation:** During initialization, the Sampling Request Monitor Subtask (SRMS) detected a size mismatch of one of its internal structures. SRMS will terminate. At this point Threshold Monitoring will cease until the started task is recycled.

**System action:** None.

**Operator response:** Report this error to Application Performance Analyzer support.

---

**CAZ6206E** Error parsing Threshold Monitor criteria  
for Request Number: *request\_number*.

**Explanation:** The Sampling Request Monitor subtask (SRMS) detected a syntax error with the contents of the TMSEL keyword for a newly added monitor request. Due to this error the monitoring request could not be added. Refer to message CAZ6207E for details of the parsing error.

**System action:** None.

**Operator response:** Report this error to Application Performance Analyzer support.

---

**CAZ6207E** *Diagnostic information (free-form text)*

**Explanation:** This message accompanies message: CAZ6206E and contain diagnostic information detailing the cause of the parsing error.

**System action:** Refer to CAZ6206E.

**Operator response:** Refer to CAZ6206E.

---

**CAZ6209S** Unrecoverable error in:&\$.00061.  
Sampling Request Monitoring Subtask  
is terminating.

**Explanation:** The message indicates that the Sampling Request Monitor Subtask (SRMS) has an abend situation from which it cannot recover. SRMS will

terminate with a dump. At this point Threshold Monitoring will cease until the started task is recycled.

**System action:** None.

**Operator response:** Report this error to Application Performance Analyzer support.

---

**CAZ6221E** Processing error in loadDRT of  
Threshold Monitor SM/TM

**Explanation:** The message indicates that the Sampling Request Monitor Subtask (SRMS) has detected an error with one of its internal processes. This message might be followed by one or more AJT messages. SMRS will terminate. At this point Threshold Monitoring will cease until the started task is recycled.

**System action:** None.

**Operator response:** Report this error to Application Performance Analyzer support.

---

**CAZ6222E** Error parsing Threshold Monitor request

**Explanation:** The Application Performance Analyzer command processor detected a syntax error with the contents of the TMSEL keyword from the TNEW or TMOD command. One or more messages will follow this message and will provide details on the parsing error.

**System action:** None.

**Operator response:** Correct the parsing error, resubmit the command.

---

**CAZ6300I** Sysplex input message subtask started.

**Explanation:** This message indicates that the sysplex input message subtask has started the process of initializing.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ6320I** Sysplex input message subtask started.

**Explanation:** This message indicates that the named component of Application Performance Analyzer has completed initialization and is ready for work.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ6322E** CAZ0004x: XMsgHdr version mismatch:  
SenderVer=*sender\_version*,  
CurrVer=*receiver\_version*, Sending  
Member=*member\_name*.

**Explanation:** The Application Performance Analyzer

sysplex messaging system has received a message from another member of the group. The message is not compatible with this version of Application Performance Analyzer.

*sender\_version*

represents the version the sender's message.

*receiver\_version*

represents the version of this Application Performance Analyzer.

*member\_name*

represents the member name of the sending Application Performance Analyzer.

**System action:** The message is rejected.

**Operator response:** Ensure that all members of the Application Performance Analyzer group are at the correct release levels.

---

**CAZ6326E Unknown input message detected, possible wrong group. SYPLEX input sub-task shutting down.**

**Explanation:** Application Performance Analyzer could not validate an input message from another SYSPLEX group member. A possible cause for this is that Application Performance Analyzer has joined the wrong group.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Correct the value of SPXGroupName in CONFIG BASIC and restart Application Performance Analyzer.

---

**CAZ6350E CAZ00047: Incorrect notification type detected in MNPL - message rejected. Type=MNPLTYPE.**

**Explanation:** The Application Performance Analyzer sysplex messaging system has received a message with an unsupported MNPLTYPE.

*MNPLTYPE*

represents the MNPLTYPE.

**System action:** The message is rejected.

**Operator response:** If the message persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ6351W CAZ00047: Solicited message received and rejected.**

**Explanation:** The Application Performance Analyzer sysplex messaging system has received a solicited message.

**System action:** The message is rejected.

**Operator response:** If the message persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ6352W CAZ00047: Incorrect Data Record type detected - message rejected. Type=record\_type.**

**Explanation:** The Application Performance Analyzer sysplex messaging system detected an incorrect record type in the MNPL structure.

*record\_type*

represents the record type.

**System action:** The message is rejected.

**Operator response:** If the message persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ6353W CAZ00047: Data Record did not contain the correct type of Target/Response entries - message rejected. Type=record\_type**

**Explanation:** The Application Performance Analyzer sysplex messaging system detected an incorrect Target/Response type in the data record.

*record\_type*

represents the record type.

**System action:** The message is rejected.

**Operator response:** If the message persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ6354W CAZ00047: No Target/Response Entries returned in Data Record - message rejected.**

**Explanation:** The Application Performance Analyzer sysplex messaging system detected a Data record with no Target/Response entries.

**System action:** The message is rejected.

**Operator response:** If the message persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ6355W CAZ00047: No XMMsg Response Message address provided in message control.**

**Explanation:** The Application Performance Analyzer sysplex messaging system detected that the MNPL message control field did not contain the address of an XMMsg Response Message.

**System action:** The message is rejected.

**Operator response:** If the message persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ6356W CAZ7: No Data Records detected - message rejected.**

**Explanation:** The Application Performance Analyzer sysplex messaging system detected that the MNPL message did not contain any Data Records.

**System action:** The message is rejected.

**Operator response:** If the message persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ6357W The following system(s) failed to respond or provided a partial response:**  
*system\_name system\_name system\_name ...*

**Explanation:** The Application Performance Analyzer sysplex messaging system either received no response or a partial response. A message was sent to one or more members of a Application Performance Analyzer sysplex group and the message was timed out before all members could respond. Or, a system replied with a partial response due to the volume of data. This problem might occur if any of the targeted members was down.

*system\_name*

Represents the names of systems that responded partially or not at all.

**System action:** The message is accepted.

**Operator response:** Ensure that the Application Performance Analyzer member is running on the named system(s).

---

**CAZ6358W All requested systems either failed to respond or provided a partial response.**

**Explanation:** The Application Performance Analyzer sysplex messaging system either received no response or a partial response. A message was sent to one or more members of a Application Performance Analyzer sysplex group and the message was timed out before any member could respond. Or, a system replied with a partial response due to the volume of data. This problem might occur if all of the targeted members were down.

**System action:** none.

**Operator response:** Ensure that the Application Performance Analyzer member is running on all intended systems.

---

**CAZ6390I Sysplex input message subtask stopping.**

**Explanation:** This message is reported when the sysplex input message subtask has started its shutdown process.

**System action:** None.

**Operator response:** None

---

**CAZ6391I Sysplex input message subtask terminated.**

**Explanation:** This message is reported when the sysplex input message subtask has completed its shutdown process and is about to terminate.

**System action:** None.

**Operator response:** None.

---

**CAZ6600I Sysplex output message Subtask started.**

**Explanation:** This message indicates that the sysplex output message has started the process of initializing.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ6620I SYSPLEX output message subtask operating.**

**Explanation:** This message indicates that the named component of Application Performance Analyzer has completed initialization and is ready for work.

**System action:** Application Performance Analyzer continues initialization.

**Operator response:** None.

---

**CAZ6621W Request failed, no active systems matched the request.**

**Explanation:** A sysplex message could not be sent to Application Performance Analyzer members because all members were not active.

**System action:** The message is rejected.

**Operator response:** If the message persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ6622E Request failed, IXCMSSGO**  
**RC=return\_code, RSN=reason\_code,**  
**Type=message\_type, FLAG=flag.**

**Explanation:** The Application Performance Analyzer sysplex messaging system detected an error while sending a message to one or more group members.

*return\_code*  
represents the return code from IXCMSSGO

*reason\_code*  
represents the reason code from IXCMSSGO

*message\_type*  
represents the internal XMsg type

*flag*  
represents an internal flag

**System action:** Nne.

**Operator response:** If the message persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ6623E Response failed, message timed out. Terminating.**

**Explanation:** The Application Performance Analyzer sysplex messaging system detected a timeout while attempting to send a response message to a requesting member. The receiving member might be missing data.

**System action:** None.

**Operator response:** If the error persists contact Application Performance Analyzer support.

---

**CAZ6690I Sysplex output message subtask stopping.**

**Explanation:** This message is reported when the sysplex output message subtask has started its shutdown process.

**System action:** None.

**Operator response:** None

---

**CAZ6691I Sysplex output message subtask terminated.**

**Explanation:** This message is reported when the sysplex output message subtask has completed its shutdown process and is about to terminate.

**System action:** None.

**Operator response:** None.

---

**CAZ6699S CAZ2 has ended abnormally (ABEND). Sysplex output subtask is terminating.**

**Explanation:** This message indicates that the named component of Application Performance Analyzer has abnormally ended (ABEND). This message will be followed by a dump.

**System action:** Application Performance Analyzer terminates.

---

**CAZ9000E *module\_name* detected a data space overflow error. One or more samples might be lost.**

**Explanation:** The data write was unable to write one or more sample records to the sample data space. The data space was in the process of being expanded while the sample records were being added to the data space. These records were dropped to avoid overflowing the data space. *module\_name* represents the module that detected this condition.

**System action:** None. Sampling continues, but the user might possibly notice sampling errors in some of the reports only if this message appeared continuously throughout the sampling session.

**Operator response:** If this problem persists, refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ9001S Invalid return code detected from CAZC0006. RC=*return\_code*.**

**Explanation:** This is an internal error. An unexpected error occurred in module CAZC0006.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Record the return code *return\_code*, then refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.

---

**CAZ9002W Application Performance Analyzer Product license will expire in: *nn* day(s).**

**Explanation:** This a warning message advising the user that Application Performance Analyzer will expire soon.

**System action:** None.

**Operator response:** Under normal circumstances, a new password will be supplied by your local IBM Sales Representative in plenty of time to prevent product expiry warning messages being issued. Therefore, if this occurs, it usually means that a password has already been supplied but not yet applied, or a password has been applied incorrectly. In such cases, the following should be checked:

Is the product running on the CPU for which it was generated? This is especially relevant when running under the VM operating system. IBM software only checks the last four digits of the CPU id, so the first two digits might be used to retain uniqueness.

If the password is applied by updating a parameter list, is there a duplicate statement containing the old password? If so, delete it. Has the new password



supplied by IBM been applied correctly?

---

**CAZ9003E**    **Application Performance Analyzer Product license has expired. Please contact your system programmer.**

**Explanation:** Application Performance Analyzer Product license has expired. Your system programmer will have to contact product support for a new password.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Contact your system programmer for a new password.

---

**CAZ9004E**    **Product license password could not be found in the configuration module. Please contact your system programmer.**

**Explanation:** A password CVSET value could not be found in the configuration module.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Refer to the Application Performance Analyzer *Customization Guide* for information about installation-level configuration settings.

---

**CAZ9005E**    **Product license password is invalid. Please contact your system programmer.**

**Explanation:** A password CVSET value specified in the configuration module was not valid. Probable cause is an incorrect password.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Refer to the Application Performance Analyzer *Customization Guide* for information about installation-level configuration settings.

---

**CAZ9006E**    **The current CPU is not authorized to execute the Application Performance Analyzer product. Please contact product support.**

**Explanation:** You are attempting to execute Application Performance Analyzer on a CPU for which you are not licensed. Contact your system programmer to determine the CPU for which Application Performance Analyzer is licensed. If the CPU is licensed then verify that the password value specified in the configuration module is correct.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Refer to the Application

Performance Analyzer *Customization Guide* for information about Installation-level configuration settings.

---

**CAZ9007E**    **The following feature(s) are not licensed for Application Performance Analyzer; please contact your system programmer: *feature\_1, feature\_2, ...***

**Explanation:** You are attempting to use a Application Performance Analyzer feature for which you are not licensed. Verify that the password value specified in the configuration module is correct. *feature\_n* represents the feature(s) not licensed.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Refer to the Application Performance Analyzer *Customization Guide* for information about Installation-level configuration settings.

---

**CAZ9008S**    **Severe error occurred while validating license; reason code=*reason\_code***

**Explanation:** An internal error was detected while validating the Application Performance Analyzer product license.

**System action:** Application Performance Analyzer terminates.

**Operator response:** Record the reason code value, then refer to the Application Performance Analyzer technical support Web site at [www.ibm.com/software/awdtools/apa/support/](http://www.ibm.com/software/awdtools/apa/support/) to find possible solutions to this problem.



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## Chapter 3. ISPF messages

These messages are displayed when there are ISPF-related errors.

---

**AJTI001W Invalid selection**

**Explanation:** Invalid selection. Enter blank or "/". Use "/" to select the option and blank to de-select it.

---

**AJTI002I Preferences updated**

**Explanation:** Preferences have been updated.

---

**AJTI003W Invalid entry**

**Explanation:** Invalid entry. Enter "S" to select.

---

**AJTI004W Too many selections**

**Explanation:** Multiple selections not allowed.

---

**AJTI005W No menu page**

**Explanation:** No Menu page exists.

---

**AJTI006W No setup options exist**

**Explanation:** No setup options are available for this report.

---

**AJTI007W Invalid command**

**Explanation:** Invalid command

---

**AJTI008W Parameters missing**

**Explanation:** One or two parameters expected. FIND command must be in one of the following formats: FIND string or FIND "string" NEXT/PREV/LAST or FIND NEXT/PREV/LAST "string".

---

**AJTI009W Too many arguments**

**Explanation:** Too many argument in FIND command. FIND must be in one of the following formats: FIND string or FIND "string" NEXT/PREV/LAST or FIND NEXT/PREV/LAST "string".

---

**AJTI011W Parameter not recognized**

**Explanation:** One of the two parameters must specify NEXT, PREV or FIRST.

---

**AJTI012W Error in quotes**

**Explanation:** One quote immediately followed by

another quote is not allowed.

---

**AJTI013W Incomplete string**

**Explanation:** A string is missing a closing quote.

---

**AJTI014W Error in quotes**

**Explanation:** A closing quote cannot be followed immediately by a non blank character.

---

**AJTI015W Too many quoted strings**

**Explanation:** When two parameters are specified in the FIND command, only one of them - the search string - can be enclosed in quotes. The other parameter must be NEXT, PREV or FIRST.

---

**AJTI016W Nothing to search**

**Explanation:** No data exists in the scrollable area to be searched.

---

**AJTI017W Bottom of data reached**

**Explanation:** The search proceeded to the end of data and the specified string was not found.

---

**AJTI018W Top of data reached**

**Explanation:** The search proceeded to the top of data and the specified string was not found.

---

**AJTI019W Enter a FIND command**

**Explanation:** You must enter a FIND command before you can use the RFIND command.

---

**AJTI020W Already active**

**Explanation:** Application Performance Analyzer is already active. You cannot run a second instance in ISPF.

---

**AJTI021W System error**

**Explanation:** Load of CE Anchor program failed.

---

**AJTI022W System error**

**Explanation:** Load module fetch failed.

---

**AJTI023W Data space full**

**Explanation:** An attempt to extend a reporting data space beyond its maximum size failed. The report might be incomplete.

---

**CAZI001W Invalid entry**

**Explanation:** Invalid entry. Enter "S" to select.

---

**CAZI002W Too many selections**

**Explanation:** Multiple selections are not allowed.

---

**CAZI003W Invalid line command**

**Explanation:** You have entered an invalid line command. Enter "/" on any input field for a list of valid commands. Enter "?" for information about the field.

---

**CAZI004W Line command conflict**

**Explanation:** No other line command entry is allowed in combination with a "/" command.

---

**CAZI005W Invalid pattern**

**Explanation:** Invalid "wildcard" pattern specified. First character must be: A-Z, #,@,\$,\*, or ?.

---

**CAZI006W Invalid pattern**

**Explanation:** Invalid "wildcard" pattern specified. Allowable characters are: A-Z, 0-9, #,@,\$,\*, and ?.

---

**CAZI007W Invalid pattern**

**Explanation:** Invalid "wildcard" pattern specified. Asterisk (\*) must be the last character in the string.

---

**CAZI008W Allocation failure**

**Explanation:** Allocation of sample file failed. The data set might have been deleted.

---

**CAZI009W No sample file**

**Explanation:** There is no sample file available for this selection. Check the status of the observation request.

---

**CAZI010I**

**Explanation:** *parameter\_name*

---

**CAZI011W Invalid expression**

**Explanation:** Invalid expression for percentage value.

---

**CAZI012W Invalid expression**

**Explanation:** Invalid decimal expression.

---

**CAZI013W Input conflict**

**Explanation:** You must not enter both source mapping file information and line commands.

---

**CAZI014W Invalid file type entry**

**Explanation:** Invalid or missing entry for File Type. Valid values are: L, A, T.

---

**CAZI015W Data set name error**

**Explanation:** Invalid or missing data set name for source mapping file.

---

**CAZI016W Member name error**

**Explanation:** Invalid member name entered for source mapping file.

---

**CAZI017W Data set not found**

**Explanation:** Unable to locate specified data set.

---

**CAZI018W Data set not partitioned**

**Explanation:** You have entered a member name but the data set you have specified is not partitioned.

---

**CAZI019W Duplicate file specified**

**Explanation:** This source map data set has already been specified for this observation session.

---

**CAZI020W Data already loaded**

**Explanation:** This source map data set has already been loaded.

---

**CAZI021W Allocation failure**

**Explanation:** Allocation of specified source map data set failed.

---

**CAZI022W Map file not applicable**

**Explanation:** The specified source mapping data is not applicable to any of the modules for which activity was measured. *parameter\_name*

---

---

**CAZI023W Source map table full**

**Explanation:** Your source mapping file table is full. Delete some entries to make more space available in the table.

---

**CAZI024W File organization error**

**Explanation:** The organization of the data set you have specified is incorrect. It must be a physical sequential file (PS).

---

**CAZI025W Member name needed**

**Explanation:** The data set you have specified is partitioned. You must enter a member name. You can omit the member name only if the file is not partitioned.

---

**CAZI026W Member not found**

**Explanation:** The member name you specified was not found in the PDS directory.

---

**CAZI027W Cannot copy this entry**

**Explanation:** You can only copy a source mapping entry from a different observation session. You have selected an entry already in the current observation session.

---

**CAZI028W Entry already exists**

**Explanation:** The source mapping entry you have selected to be copied into the current observation session already exists in this session.

---

**CAZI029W Connection not available**

**Explanation:** The Application Performance Analyzer measurement task named *parameter\_name* is currently not available. You can use the CONNECT command to connect to another measurement task if one is available.

---

**CAZI031W Welcome to IBM APA for z/OS – As a first time user you must connect to an IBM APA for z/OS started task. To begin using the product, enter "CONNECT ID" on the command line, where ID is one of following started task ids: &MPARM1**

**Explanation:** You have not yet specified the Application Performance Analyzer started task ID to which you are to be connected. Enter "CONNECT ID" on the command line, where ID is one of the IDs in the &MPARM1 list.

---

**CAZI033W No connection available**

**Explanation:** There are currently no active Application Performance Analyzer measurement tasks available.

---

**CAZI034W Connection lost**

**Explanation:** Your connection to Application Performance Analyzer id *parameter\_name* has been lost. This measurement task is no longer active.

---

**CAZI035I Connection established**

**Explanation:** A connection to Application Performance Analyzer id *parameter\_name* has been successfully established.

---

**CAZI036W Unable to connect**

**Explanation:** A connection with the specified Application Performance Analyzer id could not be established. Available Application Performance Analyzer IDs are: *parameter\_name*

---

**CAZI037W Invalid CONNECT syntax**

**Explanation:** The CONNECT command requires a single parameter specifying a Application Performance Analyzer identifier (up to 4 characters).

---

**CAZI038I Source map data loaded**

**Explanation:** Source mapping data has been successfully loaded from the specified file.

---

**CAZI039W No source map data**

**Explanation:** No source mapping data has been loaded for the selected object. Select A01 from the report menu to manage source mapping data.

---

**CAZI040W Invalid ADATA file**

**Explanation:** The specified file did not contain any Source (type X"0030") records or did not contain a Job Id (type X"0000") record. These conditions probably indicate the file is not an ADATA file.

---

**CAZI041W Invalid map type**

**Explanation:** This is an internal error. The source mapping module was passed an invalid map type value.

---

**CAZI043W PROGRAM-ID not found**

**Explanation:** A PROGRAM-ID statement was not found in the specified compiler listing file.

---

**CAZI044W Invalid listing file**

**Explanation:** The specified compiler listing file is empty or incomplete.

---

**CAZI045W Unsupported listing file**

**Explanation:** The file was not recognized as one of the compiler listings supported by Application Performance Analyzer. Supported versions are:

- COBOL II (5668-958)
  - COBOL for MVS/VM (5688-197)
  - COBOL for OS/390/VM (5648-A25)
  - Enterprise COBOL for z/OS (5655-G53)
  - OS/VS COBOL (5740-CB1)
  - Enterprise PL/I for z/OS (5655-H31)
  - IBM OS PL/I OPTIMIZING COMPILER (5668-910) (PL/I using LANGX side files only)
  - z/OS C/C++ V1R2.0 and above (5694-A01)
- 

**CAZI046W Compile options error**

**Explanation:** The compiler listing file indicates that the necessary compile options were not specified. For COBOL, these are SOURCE, NONNUMBER and OFFSET.

---

**CAZI048W License expiring soon**

**Explanation:** *parameter\_name*

---

**CAZI049W Invalid entry**

**Explanation:** Invalid entry. Enter "S" "/" or blank.

---

**CAZI050W PDF DSN error**

**Explanation:** An error was detected in the data set name for the PDF file or no data set name was entered. It must be a nonpartitioned sequential data set LRECL=80.

---

**CAZI051W JCL library DSN error**

**Explanation:** An error was detected in the data set name for the JCL library or no data set name was entered.

---

**CAZI052W JCLLIB member name error**

**Explanation:** The JCL library member name is missing or invalid.

---

**CAZI053W PDF data set not found**

**Explanation:** The specified PDF file could not be located. The data set must be a cataloged sequential file with fixed 80 byte records.

---

**CAZI054W PDF file incorrect DSORG**

**Explanation:** The specified PDF file is not PS (physical sequential), or its record size is not fixed 80 bytes.

---

**CAZI055W JCL library not found**

**Explanation:** The specified JCL library could not be located.

---

**CAZI056W JCL library DSORG error**

**Explanation:** The specified JCL library is not partitioned or its record size is not fixed 80 bytes.

---

**CAZI057W JCL member alloc error**

**Explanation:** Allocation of specified JCL member failed.

---

**CAZI058W JCL member OPEN failed**

**Explanation:** OPEN for output of JCL member failed.

---

**CAZI059W LEVELS value must be 0-9**

**Explanation:** The LEVELS parameter value must be a single numeric digit.

---

**CAZI060W Invalid sort sequence**

**Explanation:** The sort sequence option for this report must be specified as NAME or VALUE.

---

**CAZI061W Invalid option value**

**Explanation:** To select this option enter a slash (/). To deselect the option, enter blank.

---

**CAZI062W Invalid sort sequence**

**Explanation:** The sort sequence option for this report must be specified as NAME, SIZE, ADDRESS or LIBRARY.

---

**CAZI063W Invalid decimal value**

**Explanation:** Invalid syntax, such as a nonnumeric digit, was encountered in a decimal expression.

---

---

**CAZI064W Invalid slice size value**

**Explanation:** A code slice size value must be between 32 and 65536 and must be an even value.

---

**CAZI065W Invalid intervals value**

**Explanation:** The value for the number of intervals in a timeline report must be between 2 and 256.

---

**CAZI066 Invalid entry**

**Explanation:** Invalid entry. Valid entries are: 'Y' or 'N' or blank.

---

**CAZI067 Missing required input**

**Explanation:** Specify either a dataset name, a member name or both depending on your SPM requirements.

---

**CAZI068 Member not found**

**Explanation:** The member name you specified was not found in any dataset of the type specified in "File type" that was listed from the A04 panel, or the list was empty.

---

**CAZI069 Line Command conflict**

**Explanation:** You entered line commands that conflict with one another. You can only enter one: "I", or "M" line command at a time. In addition, enter only one: "A" line command if you have also entered an "M" line command.

---

**CAZI071W No options hdg found**

**Explanation:** A line containing the text "OPTIONS IN EFFECT:" or "\*OPTIONS IN EFFECT\*" in col 1 could not be found. This is the heading expected on a page containing information about compile options. The matching of this text is not case sensitive.

---

**CAZI072W No source lines found**

**Explanation:** A line containing the text "OPTIONS IN EFFECT:" or "\*OPTIONS IN EFFECT\*" was found and compile option information was extracted. Source lines were expected to be found in the listing file after the option information but no such records were found. The file might have been truncated in the middle of the compile options section. The end of this section is recognized by a record containing blanks in columns 1 to 4.

---

**CAZI073W OFFSET section not found**

**Explanation:** This error is raised during processing of a COBOL compile listing file. A line containing the text "LINE # HEXLOC VERB" in col 1 could not be found in the listing file. This is the heading expected on a page containing PMAP offset information. The matching of this text is not case sensitive.

---

**CAZI074W File ended prematurely**

**Explanation:** This error is raised during processing of a COBOL compiler listing file. A PMAP heading record containing "LINE # HEXLOC VERB" was found, but EOF was encountered unexpectedly while processing PMAP detail lines. The file might have been truncated.

---

**CAZI075W File ended prematurely**

**Explanation:** EOF was encountered in a COBOL source listing file within the first 3 records.

---

**CAZI076W No source hdg line found**

**Explanation:** This error is raised during the pre-scan of a COBOL listing file if no line containing "LINEID PL SL" in column one is found. This is the heading expected on a page containing COBOL source statements. The matching is not case sensitive.

---

**CAZI077W No source at this offset**

**Explanation:** Source mapping data exists for this CSECT, but there is no source statement corresponding to the specified offset. The offset might be for code generated by the compiler and does not correspond to a source statement or the map file might be for a different version.

---

**CAZI078W Incompatible versions**

**Explanation:** The Application Performance Analyzer measurement task named *parameter\_name* is not compatible with the current version of Application Performance Analyzer/ISPF.

---

**CAZI079W No module information**

**Explanation:** No load module information is available for the item you selected.

---

**CAZI080W No IMS measurement data**

**Explanation:** The report you have selected cannot be displayed because it requires IMS measurement data. No IMS measurement data was captured.

---

---

**CAZI081W No CICS measurement data**

**Explanation:** The report you have selected cannot be displayed because it requires CICS measurement data. No CICS measurement data was recorded.

---

**CAZI082W No DB2 measurement data**

**Explanation:** The report you have selected cannot be displayed because it requires DB2 measurement data. No DB2 measurement data was captured.

---

**CAZI083W No MQSeries measurements**

**Explanation:** The report you have selected cannot be displayed because it requires MQSeries® measurement data. No MQSeries measurement data was captured.

---

**CAZI084W No DASD measurement data**

**Explanation:** The report you have selected cannot be displayed because it requires DASD measurement data. No DASD measurement data was captured.

---

**CAZI085W No DB2+ measurement data**

**Explanation:** The report you have selected cannot be displayed because it requires DB2+ measurement data. The DB2+ option was not selected or no DB2+ data was recorded.

---

**CAZI086W No coupling facility data**

**Explanation:** The report you have selected cannot be displayed because no coupling facility activity data was recorded during the measurement.

---

**CAZI087W No DB2 Stored Proc. data'**

**Explanation:** The report you have selected cannot be displayed because it requires DB2 stored procedure measurement data. None was recorded in this measurement.

---

**CAZI088W No IMS+ measurement data**

**Explanation:** The report you have selected cannot be displayed because it requires IMS+ measurement data. The IMS+ option was not selected or no IMS+ data was recorded.

---

**CAZI089W Measurement data error**

**Explanation:** Some critical data is missing from the measurement file. This indicates that the observation session might not have completed successfully. Reports cannot be displayed.

---

**CAZI090W Measurement incomplete**

**Explanation:** The measurement file you have selected cannot be processed because its status indicates incomplete.

---

**CAZI091W Invalid date: year**

**Explanation:** An input error was detected in a date field. The year value is invalid. Correct and re-enter.

---

**CAZI092W Invalid date: month**

**Explanation:** An input error was detected in a date field. The month value is invalid. Correct and re-enter.

---

**CAZI093W Invalid date: day**

**Explanation:** An input error was detected in a date field. The day value is invalid. Correct and re-enter.

---

**CAZI094W Invalid time: hour**

**Explanation:** An input error was detected in a time of day field. The hour value is invalid. Correct and re-enter.

---

**CAZI095W Invalid time: minutes**

**Explanation:** An input error was detected in a time of day field. The minutes value is invalid. Correct and re-enter.

---

**CAZI096W Time must not be in past**

**Explanation:** The date/time specified for a scheduled measurement must be in the future. Correct and re-enter.

---

**CAZI097W Invalid repetition value**

**Explanation:** The number of measurement repetitions value is invalid. It must be a numeric value from 0 to 99 or blank.

---

**CAZI098W Specify an interval**

**Explanation:** A nonzero schedule repetition value has been specified. An interval in either days or minutes must also be specified.

---

**CAZI099W Specify days or minutes**

**Explanation:** The schedule interval can be specified in either days or minutes but not both. Either days or minutes must be zero/blank.

---



---

**CAZI100W Invalid no. of days**

**Explanation:** The number of days interval value is invalid. Enter a value between 0 and 99.

---

**CAZI101W Invalid no. of minutes**

**Explanation:** The number of minutes interval value is invalid. Enter a value between 0 and 999.

---

**CAZI102I New dates generated**

**Explanation:** The sequence of date/time entries you specified has been added as pending changes. These are shown under the Measurement Schedule heading. Press ENTER to apply all pending schedule changes.

---

**CAZI103W Duplicates not added**

**Explanation:** Some of the generated date/time entries are identical to entries already in the Measurement Schedule. Only the entries not already in the Measurement Schedule have been added.

---

**CAZI104W Too many date entries**

**Explanation:** You have specified a sequence of date/times that would result in more than 105 schedule entries. No entries have been added to the Measurement Schedule.

---

**CAZI105W Overlapping schedule**

**Explanation:** You have specified a sequence of date/times that would result in two or more separately scheduled measurements overlapping. These have been added but are noted below. You must delete overlapping entries before accepting the schedule updates.

---

**CAZI106W Insufficient time gap**

**Explanation:** You have specified a sequence of date/times that would result in a time gap between two or more separately scheduled measurements being shorter than the allowable minimum. These have been added but are noted below. You must delete these entries before accepting the schedule updates.

---

**CAZI107W Too far in future**

**Explanation:** You have specified a sequence of date/times that would result in at least one measurement being scheduled too far in the future. No entries have been added.

---

**CAZI108W**

**Explanation:** You have entered changes to the schedule. END (PF3) will discard these changes. Enter END again to confirm that you wish to discard all pending changes. Use the ENTER key to apply the pending changes.

---

**CAZI109W Reserved for sched input**

**Explanation:** Invalid or missing entry for Repository. Valid values are: *T* or *O*.

---

**CAZI110W Invalid value**

**Explanation:** You must specify blank or a non-zero decimal value in the "Threshold EXCP count" field.

---

**CAZI111W Invalid value**

**Explanation:** The threshold time field must specify a value in seconds or a value in minutes and seconds separated by a colon (for example, 25:59).

---

**CAZI111W Invalid value**

**Explanation:** The threshold time field must specify a value in seconds or a value in minutes and seconds separated by a colon (for example, 25:59).

---

**CAZI112W Invalid IMS trancode**

**Explanation:** You have specified an invalid IMS transaction code. A valid IMS trancode cannot be specified with a wildcard (\*) character as the last character.

---

**CAZI113W Invalid IMS program**

**Explanation:** You have specified an invalid IMS program name. A valid IMS program name cannot be specified with a wildcard (\*) character as the last character.

---

**CAZI114W Invalid IMS user ID**

**Explanation:** You have specified an invalid IMS user ID. (A valid IMS user ID can be specified with a wildcard (\*) character as the last character.)

---

**CAZI115W Enter CICS or IMS data**

**Explanation:** Enter selection criteria on this panel for either CICS or IMS. These are mutually exclusive input fields and cannot both be entered for the same sampling session.

---

---

**CAZI140W Invalid no. of minutes**

**Explanation:** The number of minutes to wait for Job start is invalid. Enter a value between 0 and 9999.

---

**CAZI141W Invalid no. of minutes**

**Explanation:** The number of minutes before a retry for an active job is invalid. Enter a value between 0 and 99.

---

**CAZI142W Invalid count**

**Explanation:** The count of times to retry sampling for an active job is invalid. Enter a value between 0 and 99.

---

**CAZI143W Retry Invalid**

**Explanation:** Retry interval and retry count must both be either 0 or a value between 1 and 99.

---

**CAZI145W Option T Invalid**

**Explanation:** The REXX CAZRHOEM in SCAZEXEC has not been customized for third party listing support.

---

**CAZI147W No FILE measurement data**

**Explanation:** The report you have selected cannot be displayed because it requires FILE measurement data. No files were open during data capture.

---

**CAZI148W No VSAM measurement data**

**Explanation:** The report you have selected cannot be displayed because it requires VSAM measurement data. No VSAM files were open during data capture.

---

**CAZI149W No LSR measurement data**

**Explanation:** The report you have selected cannot be displayed because it requires LSR pool measurement data. No LSR pools were created during data capture.

---

**CAZI150W Jobname is mandatory**

**Explanation:** You must specify a job name or a job name pattern – a job name prefix followed by an asterisk (\*), a job name suffix preceded by an asterisk (\*), or an asterisk by itself.

---

**CAZI151W Invalid jobname/pattern**

**Explanation:** You have specified an invalid job name. You must specify a job name or a job name pattern – a job name prefix followed by an asterisk (\*), a job name suffix preceded by an asterisk (\*), or an asterisk by itself.

---

---

**CAZI152W Unknown/invalid name**

**Explanation:** You have specified a system name that is either not defined to Application Performance Analyzer or is invalid. Select panel 6 to select a system. Valid names are: *parameter\_name*.

---

**CAZI153W Invalid step number**

**Explanation:** You must specify blank or a non-zero decimal value in the step number field.

---

**CAZI154W Invalid program name**

**Explanation:** You have specified an invalid name in the step program field. You must specify blanks or a valid program name.

---

**CAZI155W Invalid step name**

**Explanation:** You have specified an invalid name in the stepname field. You must specify blanks or a valid job step name.

---

**CAZI156W Invalid procstep name**

**Explanation:** You have specified an invalid name in the ProcStepName field. You must specify blanks or a valid proc step name.

---

**CAZI157W Invalid no. of samples**

**Explanation:** You must specify blank or a non-zero decimal value in the Number of Samples field.

---

**CAZI158W Invalid no. of samples**

**Explanation:** The number of samples you have specified exceeds the maximum allowed at your installation.

---

**CAZI159W Duration cannot be zero**

**Explanation:** You have specified a measurement duration of zero. Specify a value in seconds or a value in minutes and seconds separated by a colon (such as, 25:59).

---

**CAZI160W Invalid duration**

**Explanation:** The specified measurement duration expression is invalid. Specify a value in seconds or a value in minutes and seconds separated by a colon (such as, 25:59).

---

---

**CAZI161W Specify Y or N**

**Explanation:** A value of Y or N (Yes/No) must be specified. Specify Y to indicate that the measurement is to continue to the end of the job step even if the specified number of samples is exceeded.

---

**CAZI162W Invalid TSO UserID**

**Explanation:** You have specified an invalid TSO User Id name. Specify the TSO UserID to be notified upon completion of the measurement.

---

**CAZI163W Invalid retention**

**Explanation:** Value specified for measurement retention is invalid. Specify the number of days from measurement completion after which the measurement file is to be deleted. Specify zero for no expiry.

---

**CAZI164W Expand entry first**

**Explanation:** The observation file selected is the base for a multiframe observation. Use the + command to expand the base file then select one of the files listed in the expansion for reporting.

---

**CAZI165W Invalid delay value**

**Explanation:** Value specified for measurement delay is invalid. Specify the number of seconds from the start of the job step that Application Performance Analyzer is to delay initiation of the measurement. Specify zero for no delay.

---

**CAZI166W Must be slash or blank**

**Explanation:** You have entered an invalid selection character for a measurement data extractor. Enter either a slash (/) to select the data extractor or blank to deselect it.

---

**CAZI167W Schedule Master**

**Explanation:** The SUB command is not allowed on a schedule master record. Use the NEW command and select the Sched option to enter a new schedule.

---

**CAZI168W Invalid selection code**

**Explanation:** Select a job by entering "S".

---

**CAZI169W Too many selections**

**Explanation:** You can select only one job.

---

**CAZI170W Invalid job step info**

**Explanation:** You have specified an invalid combination of values in the jobstep specification fields. You must specify one of the following: 1. step number, 2. step program name, 3. step name, or 4. step name and proc step name.

---

**CAZI171W Connection has been lost**

**Explanation:** The connection with Application Performance Analyzer has been lost. This could mean that the Application Performance Analyzer started task is no longer active. This function cannot be completed.

---

**CAZI172W Sampling rate too high**

**Explanation:** You have specified number of samples and measurement duration values that would result in a sampling rate that exceeds the allowable number of samples per second.

---

**CAZI173W Invalid CICS trancode**

**Explanation:** You have specified an invalid CICS transaction code. A valid CICS transaction code can be specified with a wildcard (\*) character as the last character.

---

**CAZI174W Specify Y or N**

**Explanation:** A value of Y or N (Yes/No) must be specified. Specify Y to indicate that the measurement is to include CICS system transactions. Specify N (recommended) to exclude measurement of CICS system transactions.

---

**CAZI175W Invalid library DSN**

**Explanation:** You have specified an invalid data set name for a load library.

---

**CAZI176W Data set not a loadlib**

**Explanation:** The data set you have specified is not a load library.

---

**CAZI177W Warning: not found**

**Explanation:** The data set you have specified cannot be found. You might choose to ignore this warning if you expect the load library to exist when the measurement is performed.

---

**CAZI178W Incomplete or errors**

**Explanation:** You cannot submit the request because either data entry is incomplete or contains errors.

---

---

**CAZI179W Request failed**

**Explanation:** The request failed. Reason:  
*parameter\_name*

---

**CAZI180W Request issued**

**Explanation:** The requested function has been completed.

---

**CAZI181W**

**Explanation:** You have entered data that will be lost by ending (PF3) this dialog. Press ENTER to confirm that you wish to discard all input or press PF3 to cancel the END request. Use SETUP to disable this prompt.

---

**CAZI182W END cancelled**

**Explanation:** You have cancelled the previous END request.

---

**CAZI183W**

**Explanation:** Press ENTER again to confirm that you wish to submit this request. END/PF3 to cancel. Use SETUP to disable this prompt.

---

**CAZI184W Not confirmed**

**Explanation:** Request not confirmed.

---

**CAZI185W New request added**

**Explanation:** A new measurement request has been added.

---

**CAZI186W Request updated**

**Explanation:** An existing measurement request has been updated.

---

**CAZI187W Request cancelled**

**Explanation:** No updates have been performed.

---

**CAZI188W Specify Y or N**

**Explanation:** A value of Y or N (Yes/No) must be specified. Specify Y to indicate that the measurement is to be for an active job or N to indicate that the measurement is to begin when the job is submitted.

---

**CAZI189W Invalid retry count**

**Explanation:** Value specified for retry count is invalid. Specify the number of times that Application Performance Analyzer is to check if the job expected to be active is active. Specify zero for no retries.

---

---

**CAZI190W Invalid retry interval**

**Explanation:** Value specified for retry interval is invalid. Specify the number of minutes between each retry of a scheduled measurement for an active job that was not active at scheduling time.

---

**CAZI191W Invalid expiry interval**

**Explanation:** Value specified for expiry interval is invalid. Specify the number of minutes between the time of a scheduled measurement that Application Performance Analyzer is to wait for the job to run before removing the measurement from the schedule.

---

**CAZI192W Invalid rerun interval**

**Explanation:** Value specified for rerun interval is invalid. Specify the number of minutes between the time of a completion of a measurement during which Application Performance Analyzer is to continue to check for a rerun of the job and to repeat the measurement.

---

**CAZI193W Invalid rerun count**

**Explanation:** Value specified for rerun count is invalid. Specify the maximum number of times during the rerun interval that Application Performance Analyzer is to repeat a measurement of a job that has been rerun.

---

**CAZI194W Invalid retry values**

**Explanation:** The retry count and interval values must both be nonzero or must both be zero.

---

**CAZI195W Invalid rerun values**

**Explanation:** The rerun count and interval values must both be nonzero or must both be zero.

---

**CAZI196W Invalid selection code**

**Explanation:** Select a system by entering "S".

---

**CAZI197W Too many selections**

**Explanation:** You can select only one system.

---

**CAZI198W Not allowed for active**

**Explanation:** You cannot specify an asterisk (ALL systems) for an active job. You must specify a valid system name. Valid names are *parameter\_name*.

---

---

**CAZI199W**

**Explanation:** The entry you have selected represents a list of requests. Deleting this entry will also delete all of the requests belonging to it. Press ENTER to confirm deletion or PF3 to cancel.

---

**CAZI200W Measurement not active**

**Explanation:** The request you have made is only applicable to a measurement that is currently active.

---

**CAZI201W Measurement completed**

**Explanation:** The Application Performance Analyzer Realtime Monitor has terminated because the measurement being monitored has ended.

---

**CAZI202W Invalid panel id**

**Explanation:** You have specified an invalid identifier for the real-time monitor startup panel.

---

**CAZI203W Invalid MAP command**

**Explanation:** MAP ALL is the only allowable format of the MAP command.

---

**CAZI204I Source map data loaded**

**Explanation:** Source mapping data has been loaded.

---

**CAZI205W No map data loaded**

**Explanation:** No source map data has been loaded. Either none of the source mapping files listed in the A01 panel apply to this measurement or applicable data has already been loaded.

---

**CAZI206W Invalid Sort Option**

**Explanation:** Valid sort options on this panel are SJ to sort by Job Name, SC to sort by CPU Time or SS to sort by SIO rate.

---

**CAZI207W *parameter\_name* not found**

**Explanation:** The customization REXX *parameter\_name* was not found, function cancelled.

---

**CAZI208W *parameter\_name* not customized**

**Explanation:** The customization of *parameter\_name* has not been done, function cancelled.

---

---

**CAZI209W Invalid parm type**

**Explanation:** An invalid parm type has been entered in *parameter\_name*, function cancelled. The parm is the first keyword following QUEUE in your customized REXX. The ISPEXEC SELECT command in the customized REXX has failed.

---

**CAZI210W Select command failed**

**Explanation:** The ISPEXEC SELECT command in the customized REXX has failed.

---

**CAZI213W Invalid file type entry**

**Explanation:** Invalid or missing entry for File Type. Valid values are: L, A, S.

---

**CAZI214W Invalid record format**

**Explanation:** Record format U is not supported for a source mapping data set.

---

**CAZI215W END again to exit**

**Explanation:** You have entered the END command (or PF3) when there were expanded STEPS or REPEAT lines. These have been collapsed.

---

**CAZI216W Request cancelled**

**Explanation:** Save report request was cancelled.

---

**CAZI217W Report(s) saved**

**Explanation:** Report(s) saved in &DSN.

---

**CAZI218W Panel DISPLAY error**

**Explanation:** Error occurred during &IZISRT2, RC=&IZISRT3.

---

**CAZI219W Delete cancelled**

**Explanation:** Deletion of observations has been cancelled.

---

**CAZI220W Invalid ADATA file**

**Explanation:** No source type records (type X"0030") were found in the ADATA file or no Job ID (type X"0000") record was found. Either of these conditions probably indicate an invalid ADATA file.

---

**CAZI221W Invalid map type**

**Explanation:** The specified source mapping file type is invalid.

---

---

**CAZI223W No PROGRAM-ID found**

**Explanation:** No PROGRAM-ID statement was found in the COBOL listing file.

---

**CAZI224W Invalid LANGX Sidefile**

**Explanation:** A LANGX side file contained invalid records or mandatory records were missing.

---

**CAZI225W Unrecognized compiler**

**Explanation:** A listing file contains an unrecognizable compiler product identifier or version.

---

**CAZI226W Missing compile options**

**Explanation:** The compiler listing does not have the required options listed. For example, a COBOL program must be compiled with the SOURCE and (MAP or LIST) options.

---

**CAZI228W Invalid record format**

**Explanation:** A source mapping file record format is invalid. It must be RECFM=F or RECFM=V.

---

**CAZI233W Missing OPTIONS heading**

**Explanation:** A line containing the text "OPTIONS IN EFFECT:" or "\*OPTIONS IN EFFECT\*" in col 1 could not be found. This is the heading expected on a page containing information about compile options. The matching of this text is not case sensitive.

---

**CAZI234W No source statements**

**Explanation:** A line containing the text "OPTIONS IN EFFECT:" or "\*OPTIONS IN EFFECT\*" was found and compile option information was extracted. Source lines were expected to be found in the listing file after the option information but no such records were found. The file might have been truncated in the middle of the compile options section. The end of this section is recognized by a record containing blanks in columns 1 to 4.

---

**CAZI235W Missing PMAP/CLIST**

**Explanation:** A line containing the text "LINE # HEXLOC VERB" in col 1 was not found in the listing file. This is the heading expected on a page containing PMAP offset information. The matching of this text is not case sensitive. For OS/COBOL, the text "CONDENSED LISTING" was not found.

---

**CAZI236W File end after PMAP hdg**

**Explanation:** A PMAP heading record containing "LINE # HEXLOC VERB" or "CONDENSED LISTING" (for OS/COBOL) was found, but EOF was encountered unexpectedly while processing PMAP detail lines. The file might have been truncated.

---

**CAZI237W Invalid listing**

**Explanation:** EOF was encountered in a compiler listing file before any records identifying the type of file were found.

---

**CAZI238W Missing COBOL heading**

**Explanation:** A prescan of the COBOL listing file did not find a record containing "LINEID PL SL" in column 1. This is the heading expected on a page containing COBOL source statements. The matching is not case sensitive.

---

**CAZI239W Press ENTER to confirm deletion or PF3 to cancel.**

---

**CAZI240W RECFM changed**

**Explanation:** &DSN exists, its RECFM cannot be changed.

---

**CAZI241W LRECL changed**

**Explanation:** &DSN exists, its LRECL cannot be changed.

---

**CAZI242W Member missing**

**Explanation:** A member name is required for a PDS/PDSE library.

---

**CAZI243W Member invalid**

**Explanation:** A member name is not required for a flat file.

---

**CAZI244W Export function invalid**

**Explanation:** The export function failed. Please note any messages displayed during the export function and report them to your systems programmer.

---

**CAZI245W The requested observation dataset has been exported to &R02ODSN**

---

---

**CAZI246W Import function failed**

**Explanation:** The import function failed. Please note any messages displayed during the import function and report them to your systems programmer.

---

**CAZI247W The requested observation dataset has been imported to &R02REQNM**

---

**CAZI248W Invalid SQL text**

**Explanation:** The requested SQL statement text is not valid for EXPLAIN.

---

**CAZI249W Unable to issue EXPLAIN**

**Explanation:** Could not find special register entries for SQL statement.

---

**CAZI250W Unable to issue EXPLAIN**

**Explanation:** Could not find stored procedure entry for SQL statement.

---

**CAZI251W EXPLAIN request failed**

**Explanation:** The EXPLAIN request failed on the server with error message number &MPARM1.

---

**CAZI252W Server not available**

**Explanation:** The started task for profiler&PROFID is not currently running.

---

**CAZI253W DB2+ not selected.**

**Explanation:** An EXPLAIN can only be requested if DB2+ was selected for the observation.

---

**CAZI254W No DB2+ record found**

**Explanation:** There is no DB2+ record for the selected SQL statement. This happens on the first SQL statement that was observed.

---

**CAZI255W Invalid DB2+ version**

**Explanation:** This observation was carried out prior to the availability of the EXPLAIN feature.

---

**CAZI256W DB2+ record error**

**Explanation:** The format of the DB2+ record for this SQL statement is invalid.

---

---

**CAZI257W Invalid SQL type**

**Explanation:** The requested SQL statement type is not valid for EXPLAIN.

---

**CAZI258W Recovery from abend**

**Explanation:** An abend occurred during processing of the EXPLAIN request. Recovery from the abend was successful, but the EXPLAIN request failed.

---

**CAZI259W Server shutting down**

**Explanation:** The started task for profiler &PROFID is shutting down.

---

**CAZI260W Server abend**

**Explanation:** There was an abend on the server while processing your request. A dump might have been produced.

---

**CAZI261W Result set too large**

**Explanation:** The result set for the EXPLAIN request is too large for the reporting data space.

---

**CAZI262W No Sample File**

**Explanation:** The export request was for an observation session that does not have a sample file. Request cancelled.

---

**CAZI263W Import Cancelled**

**Explanation:** The import request has been cancelled.

---

**CAZI264W Writing sample file**

**Explanation:** The sample file is in the process of being written out. Please wait for this to complete.

---

**CAZI265W DB2 Explain not active**

**Explanation:** The started task for profiler &PROFID has not activated the DB2 Explain feature.

---

**CAZI266W Access denied**

**Explanation:** Access rules prevent you from viewing this item.

---

**CAZI267W Access denied**

**Explanation:** Access rules prevent you from updating this item.

---

---

**CAZI268W Warning**

**Explanation:** A new measurement request has been provisionally added. *System Name* specified an asterisk (\*) and therefore could not be authorized. The request will be authorized at the time the job starts.

---

**CAZI269W Warning**

**Explanation:** An existing measurement request has been provisionally updated. *System Name* specified an asterisk (\*) and therefore could not be authorized. The request will be authorized at the time the job starts.

---

**CAZI270W No DDF measurement data**

**Explanation:** The report you have selected cannot be displayed because it requires DDF measurement data. No DDF measurement data was captured.

---

**CAZI271W No PSW measurement data**

**Explanation:** The report you have selected cannot be displayed because it requires PSW measurement data. No PSW measurement data was captured.

---

**CAZI272W Multiple Program Mapping'**

**Explanation:** Multiple Source Program Mappings have been loaded for the selected Load Module. Expand and select a specific CSECT from the next level.

---

**CAZI273W Warning**

**Explanation:** A new measurement request has been provisionally added. It represents a scheduling request and therefore could not be authorized. The request will be authorized at the time the job starts.

---

**CAZI274W Warning**

**Explanation:** An existing measurement request has been provisionally updated. it represents a scheduling request and therefore could not be authorized. The request will be authorized at the time the job starts.

---

**CAZI275W No timestamp found**

**Explanation:** The heading "Timestamp and Version Information" was not found in the pseudo assembly section of the compiler listing or the pseudo assembly section was not found. Make sure the compile options LIST and NOOFFSET were specified.

---

**CAZI276 OFFSET OBJECT not found**

**Explanation:** The pseudo assembly section identified by the heading "OFFSET OBJECT CODE" was not found in the compiler listing. Make sure the compile options LIST and NOOFFSET were specified.

---

**CAZI277W Timestamp not matched**

**Explanation:** No LE Entry Point records were recorded in the measurement file for a CSECT with a timestamp value matching the timestamp reported in the C/C++ compile listing. The compile listing timestamp is reported in the pseudo assembly section under heading "Timestamp and Version Information."

---

**CAZI279 Not in Sched status**

**Explanation:** A Trigger request can only be entered against an existing request that is in Sched status. Request cancelled.

---

**CAZI286W No DB2 or DDF data**

**Explanation:** The report you have selected cannot be displayed because it requires DB2 or DDF data. No DB2 or DDF measurement data was captured.

---

**CAZI287 No HFS measurement data**

**Explanation:** The report you have selected cannot be displayed because it requires HFS measurement data. No HFS measurement data was captured.

---

**CAZI313 Line Command conflict**

**Explanation:** You entered line commands that are mutually exclusive with one another. For example: "I", or "M" is mutually exclusive with "D".

---

**CAZI314 M line command missing**

**Explanation:** You entered an "A" line command without also entering a Move ("M") line command at the same time.

---

**CAZI315W A line command missing**

**Explanation:** You entered a Move ("M") line command without also entering an After ("A") line command at the same time.

---

**CAZI316 Line command not allowed**

**Explanation:** The "A" or "I" line command is not allowed on the last line. You cannot copy, move or insert after the last line.

---

**CAZI317 List is full**

**Explanation:** The Source Mapping Dataset List is full. The Insert or Move operation cannot be performed. Delete an entry and try again..

---



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**CAZI318 Invalid dataset(s)**

**Explanation:** The Source Mapping Dataset List contains one or more invalid datasets. Correct the error(s) before terminating the dialog.

---

**CAZI319 Invalid dataset name**

**Explanation:** The specified name is not a valid MVS dataset name.

---

**CAZI320 Dataset not partitioned**

**Explanation:** You specified a dataset that is not partitioned. Only PDS or PDSE datasets are accepted here.

---

**CAZI321 No match found**

**Explanation:** No match found. Select a dataset from the list, or PF3 to return to the A01 panel. This Pick List is displayed because you specified a blank dataset name and 'Match on Compile Date & Time', but no date and time matches were found for this member in your list of datasets.

---

**CAZI322 Timestamp not matched**

**Explanation:** No LE Entry Point records were recorded in the measurement file for a CSECT with a timestamp value matching the timestamp reported in the compile listing.

---

**CAZR001E STCID length invalid – *stcid***

**Explanation:** The length of the Application Performance Analyzer started task ID (*stcid*) specified on the "STCID=" parameter is greater than four characters. The maximum length is four.

---

**CAZR002E SYSNAME length invalid – *sysname***

**Explanation:** The length of the sysplex system name specified on the "SYSNAMES=" parameter is greater than eight characters. Sysplex system names are restricted to an eight-character maximum.

---

**CAZR003E Error, maximum of 32 system names allowed**

**Explanation:** More than 32 sysplex system names have been specified on the "SYSNAMES=" parameter. The maximum number of sysplex system names is 32.

---

**CAZR004E CLASS length invalid – *class***

**Explanation:** The length of the RACF® class name specified on the "CLASS=" parameter is greater than eight characters. RACF class names are restricted to an eight-character maximum.

---

**CAZR005E STCID parameter must be specified**

**Explanation:** STCID is a required parameter and must be specified.

---

**CAZR006E SYSNAMES parameter must be specified**

**Explanation:** SYSNAMES is a required parameter and must be specified.

---

**CAZR007E Allocation failed for existing data set  
*output\_dataset\_name RC=rc***

**Explanation:** An error occurred trying to allocate an existing dataset or PDS/member specified on the "DSN=" parameter. The return code from the TSO ALLOCATE command is returned in the "RC=" field.

---

**CAZR008I Data set *output\_dataset\_name* has been created**

**Explanation:** This is an informational message indicating that a new data set has been created for the output (JCL and RACF commands). If no "DSN=" parameter was specified, the data set created is *tsoprefix.CAZRACF.COMMANDS*. If the "DSN=" parameter was specified, the specified data set was created.

---

**CAZR009E Allocation failed for new data set  
*output\_dataset\_name RC=rc***

**Explanation:** An error occurred trying to allocate a new data set. If no "DSN=" parameter was specified, the error occurred trying to allocate data set *tsoprefix.CAZRACF.COMMANDS*. If the "DSN=" parameter was specified, the error occurred on the specified data set. The return code from the TSO ALLOCATE command is returned in the "RC=" field.

---

**CAZR010E PDS *output\_dataset\_name* does not exist – not allocated**

**Explanation:** A data set and member name were specified on the "DSN=" parameter, but the PDS does not exist. If the data set is a PDS, it must exist – only sequential data sets will be created if they do not exist. The member name might be an existing or new member.

---

**CAZR011E Error on output data set:  
*output\_dataset\_name – error\_info***

**Explanation:** An unexpected condition was returned from the TSO SYSDSN function for the output data set. The data set name and the SYSDSN results are displayed in the message.

---

**CAZR012E Error on RACF SEARCH command:**  
*(followed by RACF messages)*

**Explanation:** An unexpected condition was returned from the RACF SEARCH command. The command is issued in the utility to find all the profiles for the specified STCID. The RACF command messages follow this message.

---

**CAZR013E EXECIO failed – Return Code=*rc***

**Explanation:** An IO error occurred on an EXECIO command. The return code from the EXECIO command is displayed. This message might be accompanied by other messages from the EXECIO command.

---

**CAZR014I CAZRACON – Return Code=*rc***

**Explanation:** This is an informational message indicating that the utility has ended with the specified completion code.

**Return Code=0:** Utility completed successfully

**Return Code=8:** Input parameter error, see accompanying messages

**Return Code=12:** Severe error, see accompanying messages

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## Accessibility

Accessibility features help a user who has a physical disability, such as restricted mobility or limited vision, to use software products successfully. The accessibility features in z/OS provide accessibility for Application Performance Analyzer for z/OS.

The major accessibility features in z/OS enable users to:

- Use assistive technology products such as screen readers and screen magnifier software
- Operate specific or equivalent features by using only the keyboard
- Customize display attributes such as color, contrast, and font size

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### Using assistive technologies

Assistive technology products work with the user interfaces that are found in z/OS. For specific guidance information, consult the documentation for the assistive technology product that you use to access z/OS interfaces.

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### Keyboard navigation of the user interface

Users can access z/OS user interfaces by using TSO/E or ISPF. Refer to *z/OS TSO/E Primer*, *z/OS TSO/E User's Guide*, and *z/OS ISPF User's Guide Volume 1* for information about accessing TSO/E and ISPF interfaces. These guides describe how to use TSO/E and ISPF, including the use of keyboard shortcuts or function keys (PF keys). Each guide includes the default settings for the PF keys and explains how to modify their functions.

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