Adabas SAF Security

Adabas SAF Security Messages and Codes

Version 8.6.2

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ADABAS & NATURAL

This document applies to Adabas SAF Security Version 8.6.2 and all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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Preface

This document describes security related messages and codes.

AAF - Adabas SAF Security Messages*	Describes Adabas SAF Security SAF interface messages.
ADAE Adabas SAF Security (ADASAF) Messages*	Describes Adabas SAF Security (ADASAF) messages.
SEFM - ADASAF SAF Interface and SAF Security Kernel Messages*	Describes Adabas SAF Security (ADASAF) and SAF Security Kernel operator console and command messages.
Adabas Nucleus Response Codes	Describes the Adabas nucleus response codes. Of particular interest to Adabas SAF Security are response codes **200**, **207**, **208**, and **209**.
SAF Return Codes	Describes SAF return codes.
SAF Internal Function Codes	Describes SAF internal function codes.
MLC - Mainframe Licensing Error Messages*	Describes error messages issued by the mainframe licensing software and the license utility (LICUTIL).
Diagnosis of Violations	Provides a general overview of the definition of resources to RACF, CA-Top Secret and CA-ACF2.

1 About this Documentation

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Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
`Monospace font`	Identifies service names and locations in the format *`folder.subfolder.service`*, APIs, Java classes, methods, properties.
`Italic`	Identifies: Variables for which you must supply values specific to your own situation or environment. New terms the first time they occur in the text. References to other documentation sources.
`Monospace font`	Identifies: Text you must type in. Messages displayed by the system. Program code.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
|	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the | symbol.
[ ]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [ ] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

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Data Protection

Software AG products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR). Where applicable, appropriate steps are documented in the respective administration documentation.

2 AAF* - Adabas SAF Security Messages

AAF001 **Unable to load required modules**

Explanation A required module could not be loaded. Operation terminates with an abend U0042.

Action Check that all required modules are available.

AAF002 **Unable to allocate required storage**

Explanation There is insufficient memory available for ADASAF to operate. Operation terminates with an abend U0042.

Action Increase the amount of memory (above the 16-megabyte line) available to the failing job.

AAF003 **dbid Unable to allocate NRS storage**

Explanation ADASAF needs approximately 2KB of memory below the 16-megabyte line. If the memory is not available at initialization (or after a `newcopy` operator command), ADASAF issues this message and operation terminates.

Action Ensure that enough memory is available.

AAF004 **dbid Module xxxxxxxx not loaded**

Explanation The indicated module could not be loaded during initialization or during the `newcopy` operator command. If the module is required (rather than optional), operation terminates.

Action Ensure that the module is available.

AAF005 **dbid Invalid parameters detected**

Explanation One or more invalid parameters were specified in DDSAF. Operation terminates.

Action Correct the invalid parameters.

AAF006 **dbid Allocation of user file cache failed**

Explanation ADASAF allocates a user file cache above the 16-megabyte line. If the storage is not available at initialization (or after a `newcopy` operator command), ADASAF issues this message and operation terminates.

Action Ensure that enough storage is available or reduce the `MAXFILES` parameter (this may adversely affect performance).

AAF007 **dbid INPUT PARAMETER**

Explanation ADASAF echoes the parameters read from DDSAF for information and auditing purposes.

Action None.

AAF008 **dbid Invalid parameter: INPUT PARAMETER**

Explanation ADASAF detected incorrect input in DDSAF. AAF008 is issued for each invalid parameter found and is followed by message AAF005.

Action Correct the invalid parameter.

AAF009 **dbid Allocation of Password/Cipher Code cache failed**

Explanation There is insufficient storage available above the 16-megabyte line to allocate the table. Each entry requires 16 bytes and the table has a 32-byte header. Operation terminates.

Action Ensure that enough storage is available.

AAF010 **dbid Password/Cipher Code cache too small - increase MAXPC**

Explanation ADASAF found more passwords and/or cipher codes in RACF than it could store in its table. Operation terminates.

Action Increase the `MAXPCC` parameter.

AAF011 **dbid Error extracting Passwords/Cipher Codes from RACF**

Explanation ADASAF could not extract passwords and cipher codes from RACF. Operation terminates.

Action Check that you have specified the correct resource class and entity name format. Activate tracing and check for any errors or warnings. Check the system log for RACF messages.

AAF012 **dbid Adabas SAF VX.X.X is active in XXXX mode**

Explanation ADASAF has successfully initialized in FAIL or WARN mode, as indicated by XXXX.

Action None.

AAF013 **dbid Nucleus Administration (DBADMIN) is active in XXXX mode**

Explanation The DBADMIN configuration parameter is set to Y enabling nucleus administration function security in FAIL or WARN mode, as indicated by XXXX

Action None.

AAF015 **dbid Newcopy of Configuration module failed**

Explanation After a `newcopy` operator command, ADASAF was unable to reload SAFCFG. Operation terminates.

Action This error occurs only if there is a shortage of storage or the module SAFCFG was deleted from the load library after initialization. Determine which of these is the case and correct it.

AAF016 **dbid Newcopy reinitialization failed**

Explanation This message appears after a failure during `newcopy` processing. It should be accompanied by a more detailed error message specifying the nature of the failure.

Action Take the action recommended by the accompanying message.

AAF017 **dbid Not APF authorized**

Explanation ADASAF must run APF-authorized. Operation terminates.

Action Check that all STEPLIBs are in the APF list and that ADARUN is linked with `AC(1)`.

AAF018 **dbid No security details for job JOBNAME**

Explanation This message appears when an unsecured Adabas call is received from the indicated job.

Action The most likely cause is an installation error, either of the Adabas Router security extensions or of the Adabas link module.

AAF019 **dbid ADASAF initialization error(s) - Nucleus will terminate**

Explanation This message appears after an initialization error and is preceded by a more specific error message.

Action Take the action recommended by the accompanying message.

AAF020 **dbid Unable to add ADASAF Smart Management PIN**

Explanation This message appears during initialization if ADASAF fails to activate its Adabas Error Handling interface.

Action None. ADASAF continues, with its Error Handling interface disabled.

AAF021 **dbid NOTOKEN is set - calls from unsecured clients are allowed**

Explanation The configuration option `NOTOKEN` has been activated. No security checks will be performed for unsecured mainframe clients.

Action None.

AAF022 **dbid Incompatible Configuration module detected**

Explanation ADASAF has detected an incompatible Configuration module. The nucleus session terminates.

Action Ensure that the Configuration module is created using the macros supplied with the version of ADASAF you wish to use.

AAF023 **dbid Invalid xxxx parameter returned by ADASAFX2**

Explanation Your password/cipher code exit has returned incorrect data, as indicated by xxxx:

- type: the returned code type was neither password nor cipher code
- code: no password/cipher code was returned
- file: no file number was returned

The nucleus session terminates.

Action Correct your exit.

AAF024 **ADASAF installation error: SAFPMAC not linked REUSable**

Explanation ADASAF cannot initialize because the module SAFPMAC has not been linked with the `REUS` attribute. The nucleus session terminates.

Action Ensure that SAFPMAC is linked `REUS,NORENT`.

AAF028 **dbid SAF Kernel initialization error - Nucleus will terminate**

Explanation The SAF Kernel could not initialize for some reason (indicated by a SEFMxxx message preceding the AAF028 message). The Adabas nucleus terminates.

Action Correct the problem which prevents the SAF Kernel from initializing (for example, increase region size or modify SAFCFG options) and restart the Adabas nucleus.

AAF029 **dbid No access to {XXXXXXXX / resource-name}**

Explanation The job security check at start up has failed. The job abends U0042. *XXXXXXXX* and *resource-name* show the resource class and resource name against which the check was made.

Action Check that the security class and resource name are correct and that they have been defined to the external security system, with the appropriate access permissions.

AAF030 **dbid Incompatible version of SAFKRN detected**

Explanation The SAFKRN module in use by this nucleus or daemon is not compatible with this version of Adabas SAF Security.

Action Ensure that you use the correct version of the Adabas Limited libraries, as documented in the Installation Prerequisites section Adabas Limited Library.

AAF031 **dbid Utility execution permitted because FAILUTI=NO**

Explanation An Adabas utility security check failed. However, the utility is allowed to execute because the SAFCFG FAILUTI parameter is set to NO.

Action None.

AAF032 **dbid Ignoring invalid SAFTRT**

Explanation A site defined translation table SAFTRT has been detected which does not begin with the eye-catcher “SAFTRT” and is therefore determined to be invalid. The default internal translation table will be used instead.

Action Check the SAFTRT assembly and ensure the site defined translation table is of the correct format. Refer to the sample SAFTRT member supplied on Adabas Limited source library for the correct format.

AAF033 **dbid Incompatible version of SAFPSEC detected**

Explanation The SAFPSEC module in use by this nucleus or daemon is not compatible with the currently installed version of Adabas SAF Security.

Action Ensure that you use the correct version of the Adabas Limited libraries, as documented in the “Adabas Limited Library” section of the “Software Prerequisites” section of the Adabas SAF Security Installation.

AAF034 **dbid SNEWCOPY in progress – operator command ignored**

Explanation Adabas SAF Security operator commands are ignored while newcopy processing is in progress.

Action Wait a while and issue the operator command again.

AAF036 **dbid UTI value and utility version incompatible. Default to UTI=1**

Explanation The utility version is not compatible with a UTI configuration parameter value greater than 1. The current setting is overridden with the default value of 1.

Action None.

AAF037 **dbid XXXXXXXX version not supported**

Explanation The version of the grouping table indicated by XXXXXXXX is not compatible with the version of Adabas SAF Security.

Action Assemble a grouping table that is compatible with the version of Adabas SAF Security.

AAF038 **dbid No access to the following resource for class {XXXXXXXX}:{ resource-name}**

Explanation The security check made when starting a utility with SAFCFG parameter `UTI>1` has failed. The job abends U0042. *XXXXXXXX* and *resource-name* show the resource class and resource name against which the check was made.

Action Check that the security class and resource name are correct and that they have been defined to the external security system, with the appropriate access permissions.

AAF041 **dbid Incompatible version of ADAPOP detected. Terminating.**

Explanation This message indicates that Adabas SAF Security is operating under Entire Net-Work, however the version of ADAPOP is not compatible for this type of operation.

Action Refer to the Installation section of the SAF Security Kernel (Adabas for Mainframes > SAF Security Kernel > Installation) for information regarding the necessary prerequisites for the correct operation of Adabas SAF Security under Entire Net-Work.

AAF042 **dbid Signal listeners requested but incompatible runtime**

Explanation This message indicates that signal listeners have been requested by configuration but there is an incompatibility between the Adabas SAF Security and the Adabas Limited Library (WAL) runtimes. The job continues to run, but without any active ENF Signal listeners.

Action Ensure Adabas SAF Security is at least version 8.4 SP1, and the Adabas Limited Library (WAL) is at least version 8.5 SP4 Patch level 1.

AAF044 **dbid Starting signal listener termination after SNEWCOPY**

Explanation This message indicates that Adabas SAF Security has detected that ENF Signal listeners are no longer required after a `SNEWCOPY` and has started the termination process.

Action None. This message is informational.

AAF045 **dbid Unable to allocate required memory for signal listeners**

Explanation This message indicates that Adabas SAF Security has been unable to allocate the memory required to activate the ENF Signal listeners. The job continues to run, but without any active ENF Signal listeners.

Action Review the `REGION` size and restart the job.

AAF046 **dbid Unable to terminate signal listeners. Please try later**

Explanation COR Daemon only. This message indicates that Adabas SAF Security in the daemon has been unable to cleanly terminate the ENF Signal listeners in response to a `SSIGTERM` command. The ENF Signal listeners are asynchronous processes that were likely busy at the time of termination.

Action Retry the `SSIGTERM` command at a later time.

AAF101 **SAF VIOLATION**

Explanation The operator command is not permitted for this Adabas nucleus.

Action Review operator command security definitions for this Adabas nucleus.

AAF102 **NO ADAEOPTB**

Explanation ADAEOPTB (operator command grouping table) is in use but does not contain an entry for this operator command.

Action Ensure the operator command was entered correctly. Review the contents of ADAEOPTB and add this command if necessary.

AAF103 **AAF NOT FOUND**

Explanation ADAEOPV could not locate the Adabas SAF Security load module.

Action Review the Adabas SAF Security installation and ensure that it is active in this Adabas nucleus.

3 ADAE* Adabas SAF Security (ADASAF) Messages

Note: Each of the messages in this section starts with the relevant database ID.

ADAE01	**Unable to load required modules**
Explanation	A required module could not be loaded. Operation terminates with an abend U0042.
Action	Check that the modules NA2PMAC and ESICFG are available.

ADAE02	**Unable to allocate required storage**
Explanation	There is insufficient storage available for ADASAF to operate. Operation terminates with an abend U0042.
Action	Increase the amount of storage (above the 16-megabyte line) available to the failing job.

ADAE03	**Unable to allocate NRS storage**
Explanation	ADASAF needs approximately two KB of storage below the 16-megabyte line. If the storage is not available at initialization (or after a newcopy operator command), ADASAF issues this message and operation terminates.
Action	Ensure that enough storage is available.

ADAE04	**Module {module-name} not loaded**
Explanation	The indicated module could not be loaded during initialization or during the newcopy operator command. If the module is required (rather than optional), operation terminates.
Action	Ensure that the module is available.

ADAE05 **Invalid parameters detected**

Explanation One or more invalid parameters were specified in DDSAF. Operation terminates.

Action Correct the invalid parameters.

ADAE06 **Allocation of user file cache failed**

Explanation ADASAF allocates a user file cache above the 16-megabyte line. If the storage is not available at initialization (or after a newcopy operator command), ADASAF issues this message and operation terminates.

Action Ensure that enough storage is available or reduce the MAXFILES parameter (this may adversely affect performance).

ADAE07 **{input-parameter}**

Explanation ADASAF echoes the parameters read from DDSAF for information and auditing purposes.

ADAE08 **Invalid parameter: {input-parameter}**

Explanation ADASAF detected incorrect input in DDSAF. ADAE08 is issued for each invalid parameter found and is followed by ADAE05.

Action Correct the invalid parameter.

ADAE12 **ADASAF is active in {FAIL|WARN} mode**

Explanation ADASAF has successfully initialized in the mode indicated.

ADAE15 **NEWCOPY of parameter module failed**

Explanation After a NEWCOPY operator command, ADASAF was unable to reload ESICFG. Operation terminates.

Action This error occurs only if there is a shortage of storage or the module ESICFG was deleted from the load library after initialization. Determine which of these is the case and correct it.

ADAE16 **NEWCOPY reinitialization failed**

Explanation This message appears after a failure during NEWCOPY processing. It should be accompanied by a more detailed error message specifying the nature of the failure.

Action Take the action recommended by the accompanying message.

ADAE17 **Not APF-authorized**

Explanation ADASAF must run APF-authorized. Operation terminates.

Action Check that all STEPLIBs are in the APF list and that ADARUN is linked with AC(1).

ADAE18 **No security details for job {job-name}**

Explanation An Adabas command received from the named job had no security credentials attached to it. The command is rejected with response code 200 (ADARSP200), subcode 3.

Action Ensure that the security exits are correctly installed in the Adabas SVC and that the source job has been configured correctly to support SAF security systems.

4 SEFM* - ADASAF SAF Interface and SAF Security Kernel Messages

- Operator Command Messages (SEFM900+ Series) Adabas SAF Security operator command messages SAF Security Kernel operator command messages 23

ADASAF displays an eight-byte code containing various return codes from SAF. This information is shown in a number of messages denoted *ssssssss*.

The ADASAF return code "ssssssss" contains the following structure:

Position	Information Content
Byte: 1	SAF return code
Byte: 2	Function code. ADASAF internal function codes (hex) include: ■ 04 - Authorize Adabas access ■ 44 or 6C - Authenticate user
Byte: 3	Return code from security system, for example RACF
Byte: 4	Reason code from security system, for example RACF
Bytes: 5 - 8	SAF reason code

Refer to the IBM manual External Security Interface (RACROUTE) Macro Reference manual for z/OS for a thorough explanation of all possible return/reason codes. CA-Top Secret and CA-ACF2 can provide different return code values in some circumstances.

BLS0334 **SYMBOL 'NETSAF' CANNOT BE FOUND. LOADING ABORTED**

Explanation This message should be ignored.

SEFM001 **{ssssssss} : {user} : {resource}**

Explanation The security system determined that the user identified in the message (*user*) does not have authorization for the resource listed in the message (*resource*). System return and reason codes are given in the hexadecimal string *ssssssss*. This message is displayed when access has been denied to a particular resource.

SEFM002 ***{XX} to request FF : {user} : {resource}**

Explanation An unexpected response code (*XX*) was received from the SAF Security Kernel for the user identified in the message (*user*) when requesting function *FF* to be performed on the resource specified in the message (*resource*).

SEFM004 ***Natural programs not extracted**

Explanation The SAF Security Kernel was not able to extract a list of protected program objects from the security system on behalf of Natural users.

Action Obtain a trace of SAF call RACROUTE EXTRACT from the security system and contact your technical support representative. ACF2 and Top Secret users should ensure that the protected programs have been extracted from the security system and supplied

to the SAF Security Kernel via the SEFEXT DD statement in the daemon started task JCL.

SEFM006 ***ADARSP {XX}({xx}) to request FF : {user}**

Explanation The SAF Security Kernel returned the Adabas response code (*XX*) and subcode (*xx*) shown in the message to request *FF* for the user shown in the message (*user*).

Action Ensure that the SAF Kernel started task is active. Check its output for error messages. Take the necessary remedial action indicated by the Adabas response code.

SEFM008 ***SAF Gateway (V{v.r}) started**

*** SAF Security Kernel (V{x.x.x} - BUILD {xxxx}) started**

Explanation Entire Net-Work SAF Security Interface (ADASAF) startup completed or the SAF Security Kernel initialized successfully.

Action No action is required for this informational message.

SEFM009 **Module {module-name} not loaded**

Explanation Entire Net-Work SAF Security Interface could not load the module listed in the message (*module-name*).

Action Ensure that the module is in the STEPLIB and that the region size is sufficient.

SEFM013 ***Less {memory | storage} acquired than specified**

Explanation The SAF Security Kernel or the Entire Net-Work SAF Security Interface (ADASAF) were not able to allocate all the memory or storage required to satisfy the buffer size specified in its parameters. Operation continues.

Action Ensure that the region size is sufficient and the parameters are appropriate.

SEFM014 ***No {memory | storage}could be acquired**

Explanation Entire Net-Work SAF Security Kernel or the SAF Security Interface (ADASAF) could obtain no storage or memory at system startup. Operation has terminated.

Operation has terminated.

Action Ensure that the region size is sufficient and system parameters are appropriate.

SEFM015 ***Logic error - {XXXX} for request FF : {user}**

Explanation The SAF Security Kernel suffered an internal error. A general restart is performed and the operation continues.

Action Keep all information written to DDPRINT and contact your technical support representative.

SEFM016 ***SAF logoff failed {ssssssss} ACEE AAAA : {user}**

Explanation The SAF Security Kernel was unable to logoff *user* from the security system. The SAF error code is *ssssssss*.

Action Contact your technical support representative.

SEFM017 ***Insufficient space to initialize - make Natural buffer {XX}**

Explanation The Natural SAF interface requires a larger value to be specidied for `NSFSIZE`.

Action Increase the Natural `NSFSIZE` parameter.

SEFM020 ***GETMAIN failed / IDSIZE error**

Explanation The Natural SAF interface could not acquire storage from the designated IDMSBUF.

Action Increase Natural region and/or thread size.

SEFM021 ***Illegal storage use / relocation problem**

Explanation Internal problem in Natural SAF storage use.

Action Contact your technical support representative.

SEFM025 ***Natural IDMSBUF parameter is not defined**

Explanation The Natural `NSFSIZE` parameter has not been specified.

Action Ensure `NSFSIZE` is set correctly in the Natural parameters.

SEFM026 ***Natural protected programs not extracted code: {XX}**

Explanation The list of protected programs could not be returned from the SAF Security Kernel to Natural.

Action Ensure the same copy of the configuration module SAFCFG is used by all system components. Check that the `GWSTYP` parameter defined in SAFI010 and `STY` parameter in SAFI020 are both correctly set for the installed security system and that all installation requirements have been met.

SEFM028 ***System files not found in environment table**

Explanation The current Natural system files were not matched in the table defining all possible system file sets.

Action Ensure that the environment definitions in Natural Security are correct.

SEFM029 ***Error in communications layer - check installation procedure**

Explanation Possible reasons for error: Adabas link module installed into this component is not reentrant.

SEFM030 ***SQL table / VIEview could not be identified for file ({XX},{YY})**

Explanation Interface could not identify table name for DBID/FNR of an SQL request.

Action Ensure interface is correctly installed, then contact your technical support representative.

SEFM031 ***DBID / FNR identified with SQL request not recognized {XXXX}**

Explanation Interface component could not determine the DBID/FNR associated with this SQL request.

Action Contact your technical support representative.

SEFM041 ***Interface installed for Net-work**

Explanation The interface is installed for operation with Entire Net-Work.

Action No action is required for this informational message.

SEFM049 ***User type T not permitted by installed options**

Explanation The SAF Kernel will not permit user type `T` to operate using the currently installed options.

SEFM050 ***Error writing SMF record : {XX}**

Explanation The stated error occurred when an SMF record was being written.

SEFM051 ***SAFPRINT dataset not defined, DDPRINT will be used**

Explanation `SAFPRINT=Y` is set in SAFCFG, but no SAFPRINT dataset is defined.

SEFM060 *** RACLIST REQUESTED FOR CLASS cccccccc**

Explanation The specified security class cccccccc has been configured to use FASTAUTH in SAFCFG. This message indicates the start of the RACLISTing process for this class.

Action No action is required for this informational message.

SEFM061 *** RACLIST SUCCESSFUL FOR CLASS cccccccc**

Explanation This message indicates RACLISTing has been successful for class cccccccc.

Action No action is required for this informational message.

SEFM062 *** RACLIST FAILED FOR CLASS cccccccc ERROR ssssssss**

Explanation This message indicates RACLISTing has failed for class cccccccc. The FASTAUTH option for this class cannot be honoured, authorization checks will be performed using RACROUTE REQUEST=AUTH (the default).

Action Refer to *Adabas SAF Security > Adabas SAF Security Messages and Codes > SAF Return Codes* for information on how to interpret the error code ssssssss.

SEFM070 *** LISTENER ACTIVE FOR SIGNAL ENF-{xx}**

Explanation This message indicates the signal listener has been successfully activated and is listening for ENF signal type *xx*.

Action No action is required for this informational message.

SEFM071 *** UNABLE TO ACTIVATE LISTENER FOR SIGNAL ENF-{xx} ERROR {eeeeeeee}**

Explanation This message indicates the signal listener could not be activated for ENF signal type *xx*. The error code is *eeeeeeee*.

Action Contact your technical support representative.

SEFM072 *** LISTENER TERMINATED FOR SIGNAL ENF-{xx}**

Explanation This message indicates the signal listener has been successfully de-activated and is no longer listening for ENF signal type *xx*.

Action No action is required for this informational message.

SEFM073 *** SIGNAL LISTENERS REQUESTED BUT INCOMPATIBLE RUNTIME**

Explanation This message indicates that signal listeners have been requested by configuration but there is an incompatibility between the Adabas SAF Security and the Adabas Limited Library (WAL) runtimes. The job continues to run, but without any active ENF Signal listeners.

Action Ensure Adabas SAF Security is at least version 8.4 SP1, and the Adabas Limited Library (WAL) is at least version 8.5 SP4 Patch level 1.

SEFM074 *** UNABLE TO ALLOCATE REQUIRED MEMORY FOR SIGNAL LISTENERS**

Explanation This message indicates a memory shortage when attempting to establish the signal listeners. The job continues to run, but without any active ENF Signal listeners.

Action Review the `REGION` size for the job. Review the `SIGNQSZ` parameter.

SEFM075 *** UNABLE TO TERMINATE SIGNAL LISTENERS. PLEASE TRY LATER**

Explanation SAF daemon only. This message indicates that Adabas SAF Security in the daemon has been unable to cleanly terminate the ENF Signal listeners in response to a `SSIGTERM` command. The ENF Signal listeners are asynchronous processes that were likely busy at the time of termination.

Action Retry the `SSIGTERM` command at a later time

SEFM205 ***CPU identity : {cpuid}**

Explanation The interface component linked to Entire Net-Work displays the CPU ID of the host machine.

Action No action is required for this informational message.

SEFM210 ***SAF Gateway is active for Entire Net-Work**

Explanation The Entire Net-Work SAF Security Interface is active.

Action No action is required for this informational message.

SEFM255 ***Unauthorized use of request**

Explanation Attempted illegal use of security request.

Action Contact your technical support representative.

Operator Command Messages (SEFM900+ Series) Adabas SAF Security operator command messages SAF Security Kernel operator command messages

The following messages are displayed in response to operator commands:

SEFM900 *** Operator issued command: {command}**

Explanation Entire Net-Work SAF Security Interface (ADASAF) or the SAF Security Kernel received the operator command identified in the message.

Action No action is required for this informational message.

SEFM901 *** SAF server - General statistics (at {hhhhhhhh})**

*** SAF Security Kernel - General statistics (at {hhhhhhhh})**

Explanation The operator command for general statistics was issued. Here is an example of the statistics messages produced for the SAF server:

```
SEFM901 * SAF SERVER - GENERAL STATISTICS (AT hhhhhhhh)
SEFM902 * RESOURCE   CHECK(+VE) CHECH(-VE) CHECK SAVED OVERWRITES ↩
LEN
SEFM903 * APPLICATION         1          0          0           ↩
0    8
SEFM903 * ADABAS              0          0          0           ↩
0   32
SEFM903 * SYSMAIN             0          0          0           ↩
0   13
SEFM903 * SYSTEM FILE         2          0          0           ↩
0   24
SEFM903 * PROGRAM             0          0          0           ↩
0   17
SEFM903 * BROKER              0          0          0           ↩
0   32
SEFM903 * NET-WORK            0          0          0           ↩
0    0
SEFM903 * SQL SERVER          0          0          0           ↩
0    0
SEFM904 * USERS - ACTIVE: 1 FREE: 55 OVEWRITES: 0
```

Here is an example of the statistics messages produced for the SAF Security Kernel:. The address in the first line is the address of the SAF Kernel's storage cache.

```
SEFM901 * SAF SECURITY KERNEL - SERVER STATISTICS (AT 12C47000)
SEFM902 * RESOURCE   CHECK(+VE) CHECH(-VE) CHECK SAVED OVERWRITES ↩
LEN
SEFM903 * APPLICATION        10          0          0           ↩
0    8
SEFM903 * DBMS CHECK          0          0          0           ↩
0   17
SEFM903 * SYSMAIN             0          0          0           ↩
0   21
SEFM903 * SYSTEM FILE         2          0          0           ↩
0   40
SEFM903 * PROGRAM             0          0          0           ↩
0   17
SEFM903 * BROKER              0          0          0           ↩
0   68
SEFM903 * NET-WORK            0          0          0           ↩
0   17
SEFM903 * SQL SERVER          0          0          0           ↩
0   32
SEFM904 * CACHED USERS:       1 HIGH WATERMARK:     1 MAX USERS: ↩
```

```
 5545
SEFM905 * OVERWRITES:        0 AUTHENTICATED:     0 DENIED:    ↩
    0
```

Action No action is required for this informational message.

SEFM902 - 905 **{statistics}**

Explanation Various statistics for the SAF server and the SAF Security Kernel are displayed. See message **SEFM901**.

Action No action is required for this informational message.

SEFM909 *** {SAF Gateway | SAF Security Kernel} - shutdown initiated**

Explanation The operator issued a command to shut down Entire Net-Work SAF Security Interface or the daemon started task (SAF Security Kernel). This message is also issued when a secure Adabas nucleus, Net-Work node or Adabas SQL server terminates.

Action No action is required for this informational message.

SEFM910 ***{SAF Server | SAF Security Kernel} - list all active users**

Explanation The operator issued a command to display a list of currently active users.

The following is a sample of the output produced for the SAF server:

```
SEFM910 * SAF SERVER - LIST ALL ACTIVE USERS
SEFM911 * USERID     CHECK(+VE) CHECH(-VE) CHECK SAVED OVERWRITES ↩
BUFF
SEFM912 * K11079              3          0          0           ↩
0   0
```

The following is a sample of the output produced for the SAF Security Kernel:

```
SEFM910 * SAF GATEWAY - LIST ALL ACTIVE USERS
SEFM911 * USERID CHECK(+VE) CHECH(-VE) CHECK SAVED OVERWRITES BUFF
SEFM912 * K11079         3          0          0           0   0
```

Action No action is required for this informational message.

SEFM911 ***{userid} . . .**

Explanation The operator issued a command to display statistics specific to a currently active user.

The following is a sample of the output produced for the SAF server:

```
SEFM911 * NXB        CHECK(+VE) CHECH(-VE) CHECK SAVED OVERWRITES ↩
 BUFF
SEFM912 * APPLICATION         1          0          0           ↩
0    0
SEFM912 * DBMS CHECK          0          0          0           ↩
0    0
SEFM912 * SYSMAIN             0          0          0           ↩
0    0
SEFM912 * SYSTEM FILE         2          0          0           ↩
0    0
SEFM912 * PROGRAM             0          0          0           ↩
0    0
SEFM912 * BROKER              0          0          0           ↩
0    0
SEFM912 * NET-WORK            0          0          0           ↩
0    0
SEFM912 * SQL SERVER          0          0          0           ↩
0    0
```

The following is a sample of the output produced for the SAF Security Kernel:

```
SEFM911 * SJU        CHECK(+VE) CHECH(-VE) CHECK SAVED OVERWRITES ↩
 BUFF
SEFM912 * APPLICATION        10          0           0          ↩
 0   10
SEFM912 * DBMS CHECK          0          0           0          ↩
 0    0
SEFM912 * SYSMAIN             0          0           0          ↩
 0    0
SEFM912 * SYSTEM FILE         2          0           0          ↩
 0    2
SEFM912 * PROGRAM             0          0           0          ↩
 0    0
SEFM912 * BROKER              0          0           0          ↩
 0    0
SEFM912 * NET-WORK            0          0           0          ↩
 0    0
SEFM912 * SQL SERVER          0          0           0          ↩
 0    0
```

Action No action is required for this informational message.

SEFM913 *** No active users found in SAF {Server | Gateway | Security Kernel}**

Explanation No active users were found in Entire Net-Work SAF Security Interface (ADASAF) or in the SAF Security Kernel.

Action No action is required for this informational message.

SEFM914 *** Requested user {userid} not found in SAF {Server | Gateway | Security Kernel}**

Explanation The requested user was not found in the Entire Net-Work SAF Security Interface (ADASAF) or in the SAF Security Kernel.

Action No action is required for this informational message.

SEFM915 **SEFM915 * SAF Security Kernel - snap of server memory**

Explanation This message is issued in response to an `SSNAP` operator command and is followed by a sequence of SEFM916 messages.

Action No action is required for this informational message.

SEFM916 *** {hhhhhhhh hhhhhhhh hhhhhhh hhhhhhhh hhhhhhhh.x..X.Y}/**

Explanation This message contains the results of an `SSNAP` command. Each SSNAP snaps up to 256 bytes and shows the address, the hexadecimal storage contents, and the interpretation.

Action No action is required for this informational message.

SEFM918 *** Supplied address is outside of legal range**

Explanation An attempt was made to snap storage outside the bounds of the SAF Kernel's cache.

SEFM919 ***Operator command did not contain required arguments**

Explanation A required parameter was omitted from an operator command. For example, `SUSTAT` with no userid specified.

Action Correct the operator command and try again.

SEFM920 **{command1}, {command2}, {command3}, and so on**

Explanation This message is issued in response to an `SHELP` operator command and lists the available SAF Kernel operator commands.

Action No action is required. This message is informational.

SEFM921 *** Memory allocation failure - users cannot be logged off**

Explanation The SAF Kernel was unable to obtain temporary storage (approximately 16Kb) to log users off in response to an `SREST`, `SNEWCOPY` or `SLOGOFF` operator command.

Action Increase the region size.

SEFM922 *** User {userid} logged off**

Explanation This message is issued in response to an `SLOGOFF` operator command. The indicated user has been logged off from the security system.

Action No action is required for this informational message.

SEFM923 *** User {userid} not logged off - user not found**

Explanation This message is issued in response to an `SLOGOFF` operator command. The requested user could not be found in the SAF Kernel's cache.

Action Verify the correct user ID was specified.

SEFM924 *** User {userid} not logged off - return code {ZZ}**

Explanation This message is issued in response to an `SLOGOFF` operator command. An internal error (indicated by ZZ) occurred while attempting to log the requested user off.

Action Evaluate the return code to determine the cause of the error.

SEFM928 *** Invalid trace setting - must be 0, 1, 2 or 3**

Explanation The `STRACE` operator command was issued with an invalid trace setting.

Action Correct the trace setting and try again.

SEFM929 *** Invalid SAF Security Kernel operator command**

Explanation An invalid SAF Security Kernel operator command was entered.

Action Specify a valid SAF Security Kernel operator command.

SEFM930 *** SIGNAL SREST INTERVAL COUNTS:**

Explanation When the ENF Signal Listener is active, this message is appended to the general statistics displayed by message SEFM901 as a result of an `SSTAT` or `SREST` command. Together with SEFM931, counts are displayed relating to the number of ENF Signal conditions which have resulted in an SREST operation being requested, since the time of the last completed SREST operation.

Action No action is required for this informational message.

SEFM931 *** QUEUE FULL: nnnnnnnn ENF-62: nnnnnnnn**

*** ENF-71: nnnnnnnn ENF-79: nnnnnnnn**

Explanation When the ENF Signal Listener is active, this message is appended to the general statistics displayed by message SEFM901 as a result of an `SSTAT` or `SREST` command. Counts are displayed relating to the number of ENF Signal conditions which have resulted in an SREST operation being requested, since the time of the last completed SREST operation.

QUEUE FULL

The number of times a free entry in the ENF Signal Listener Queue could not be found.

ENF-*nn*

The number of times the ENF Signal Listener was unable to identify the signal type *nn* as belonging to a specific user.

Action No action is required for this informational message.

5 Adabas Response Codes

After each Adabas command is processed, a response code is returned in bytes 11 and 12 of the ACB or in the ACBX. Some response codes also return a subcode in the rightmost two bytes of the ACB's Additions 2 field (offset 45-48) or in the ACBX's Error Subcode (ACBXERRC) field (offset 115-116). This section describes those response codes and subcodes.

Note: Proprietary functions of Adabas may also return response codes and subcodes, some of which are not described here. Refer to the documentation for those functions for more information.

Response code 0 indicates that the Adabas command was processed successfully; any other response code is returned as a result of an error during command processing.

All Adabas commands resulting in a response code other than 0 (ADARSP000), 1 (ADARSP001), and 145 (ADARSP145) restore all Adabas control block fields except the response code field (see the Adabas Command Reference documentation) to the contents the fields held at the beginning of command execution.

For internal errors, contact our support.

Response 0	
Origin	Mainframe and open systems
Explanation	The command was executed successfully.

Response 1

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

Depending on the subcode in the rightmost two bytes of the ACB's Additions 2 field or the ACBX's Error Subcode (ACBXERRC) field, one of the following has occurred:

Subcode	Meaning
1	An online SAVE operation cannot be executed without the nucleus' PLOG.
2	The selected record is not allowed.
3	S2 command did not have enough space.
4	S2/S9 internal program error.
5	System was not in save status at the end of an online ADASAV.

Note: When one of the subcodes 2-4 is present, the cause could be an S*x* command using security-by-value that found at least one ISN.

Open Systems

An ISN list could not be sorted as a result of an excessive number of resulting ISNs, or because during a non-descriptor search a value larger than the corresponding field length in the FDT was found, or because the ISN quantity returned does not correspond with the actual number of records found.

For an S9 command, this response indicates that there is no space available for additional temporary working space. For an S2 command, this response is only a warning and the S2 becomes an S1.

Action The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

Increase the ADARUN LS parameter value.

Open Systems

Provide sufficient disk space for temporary working space or adapt the FDT to the real field length.

Response 2

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

This response code can only occur with a BT, ET or RI command. The BT, ET or RI command executes successfully. One of the following has occurred, depending on the subcode:

Subcode	Meaning
1	Adabas attempted to hold an ISN already being held by another user.
2	The number of ISNs as specified in the ISN buffer was too large compared to the ISN buffer length (ET or BT command with the M option).
4	ISN is not on hold during multifetch ET/BT. ET/BT has successfully executed the ISNs so far released. The remaining ISNs are still on hold.
5	An RI command with ISN=0 could not release from hold status all records held by the user, as requested, because one or more records had been updated earlier in the same transaction. Updated records cannot be released from hold status prior to transaction end. All records that had not been updated have been released from hold status.

Open Systems

The required function has not been executed completely. For an OP command with command option 2 = E or for an RE command, the specified record buffer length was shorter than the length of the ET data read. The record buffer has been truncated.

For an A1//N1/N2 command, a descriptor value with the TR option is larger than 1144 bytes. In this case, only the first 1144 bytes are stored in the index. Search operations for truncated values may be inexact since only the first 1144 bytes are evaluated. The first 2 bytes of the Additions 2 field contain the number of descriptor values truncated, the third and fourth bytes contain the field name of the descriptor value that is truncated.

For an S1/S2/S4/S9 command, the resulting ISN list may not represent the exact result: this is because the search values and the values in the database were truncated after 1144 bytes during the search operation of an S1/S2/S4 command and during the sort operation of an S2/S9 command.

Subcode 5 is set if a RI command with ISN=0 could not release from hold status all records held by the user, as requested, because one or more records had been updated earlier in the same transaction. Updated records cannot be released from hold status prior to transaction end. All records that had not been updated have been released from hold status.

Action The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Open Systems

For an OP or RE command, increase the record buffer length or ignore the warning.

For an S1/S2/S4/S9 command, either perform a post-selection using the complete field values, perform your own sort operation using the complete field values, or ignore the warning.

Response 3

Origin Mainframe and open systems

Explanation One of the following has occurred:

- An end-of-file or end-of-list condition was detected.
- A program tried to read or change a multiclient file's record using either a blank or incorrect-length owner ID, or an owner ID that is not allowed for the record.

The following are some possible subcodes:

Subcode	Meaning
1	An end-of-file or end-of-list condition was detected (L3/L6 on a non-expanded file).
2	End of File reached by exceeding the 'TO' ISN in a Read in ISN sequence (option K or J).
4	End of LOB value reached. An attempt was made to read a LOB value segment that begins after the end of the value. This response code/subcode is given to an L1/L4 command with Command Option 2 set to L if the ISN Lower Limit value is greater than or equal to the length of the LOB value being read.
66	A program tried to read or change a multiclient file's record using either a blank or incorrect-length owner ID, or an owner ID that is not allowed for the record.
249	Adabas Vista has determined that no data is available to satisfy this command due to one of the following reasons: ■ A partitioned file end-of-file or end-of-list condition was detected. ■ None of the partitions were available/online and all of them have the file parameter `Critical` set to NO. *Action:* No action is required.

Response 4

Origin Mainframe systems

Explanation The internal Adabas TRS storage directory is full.

Action Free some of the active queries.

Response 7

Origin Mainframe systems only

Explanation A complex search command was rejected because it was estimated that it would exceed the maximum search time TLSCMD.

Response 8

Origin Mainframe systems only

Explanation The current user's command was interrupted to prevent a Work overflow because of a pending backout operation.

Action The value specified for the LP parameter might have to be increased.

Response 9

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

A subcode indicating the specific cause and action for this response code appears in the low-order (rightmost) two bytes of the ACB's Additions 2 field or in the ACBX's Error Subcode (ACBXERRC) field. The following are the subcodes and their meanings:

Subcode	Meaning
1	The user was backed out because the hold queue was full. *Action:* Set the number of hold queue elements (ADARUN NH parameter) higher or tune the application to issue more frequent ET commands.
2	The transaction time limit (TT) has been exceeded, and the transaction was backed out. *Action:* Correct the cause of the timeout, then restart the transaction.
3	The transaction was backed out and one of the following occured: ■ The transaction non-activity time limit (TNAE, TNAX, or TNAA) has been exceeded. ■ The user was stopped by the STOPF or STOPI operator, or an Adabas Online System command.

Subcode	Meaning
	■ A security violation response code has been returned for an ET-logic user. Information about response codes for security violations is provided in the Adabas Security documentation. ■ When a new user issues an OP cmd with the same user ID (in ADD1) as an earlier user did and the earlier user was inactive for more than 60 seconds, the new user can, by issuing a second OP cmd again (the first OP cmd will get response code 9, subcode 64), take over the user ID of the earlier user. When the earlier user becomes active again, this subcode can be received. ■ A potential dead lock situation was detected and was signaled as response code 145 subcode 9 in a previous moment. The following Adabas call then gets response code 9 subcode 3. *Action:* Correct the cause of the timeout, then restart the transaction.
15	The user was backed out because a pending Work area overflow occurred during the user's transaction. Adabas decides to back out a transaction when its start on Work is approximately 1/4th of ADARUN parameter LP away from the current position on Work. *Action:* Either reduce the transaction length (number of updates) or duration (time between transaction start and end) to lessen the data protection area requirement or increase the data protection area on Work (ADARUN parameter LP).
17	At the end of an online recovery process that was initiated after the failure of a peer nucleus in an Adabas cluster, the nucleus was unable to reacquire the ETID specified by the user in the Additions 1 field of the OP command. *Action:* (In the application program:) Redo the OP command with the ETID specified in the Additions 1 field to reacquire the user ID. Contact our support.
18	The user's active transaction was interrupted and backed out because a peer nucleus in an Adabas cluster terminated abnormally. *Action:* (In the application program:) Rerun the transaction.
19	The user's active command was interrupted and stopped because a peer nucleus in an Adabas cluster terminated abnormally. If the interrupted command was using a command ID (CID), the command ID is deleted. *Action:* (In the application program:) Clean up and reacquire the current context pertaining to Adabas command IDs; rerun the transaction.
20	The Adabas cluster nucleus assigned to the user terminated while the user had an open transaction. The transaction has been or will be backed out. *Action:* (In the application program:) If the user was defined with a user ID (ETID) in the Additions 1 field of the OP command, redo the OP command

Subcode	Meaning
	to reacquire the ETID; clean up and reacquire the current context pertaining to Adabas command IDs; rerun the transaction.
21	The user's active command was waiting for an ISN in hold status when the user was backed out and closed due to a timeout or a STOP command.
22	The user's active command was waiting for free space in the work pool when the user was backed out and closed due to a timeout or a STOP command.
23	The user's command was routed to a different cluster nucleus than the one used by previous commands. The user's open transaction has been backed out. It is also possible that the user had already been timed out earlier. *Action:* Restart the transaction and any open read sequences.
24	The user's command was routed to a different cluster nucleus than the one used by previous commands. The user had owned EXU or EXF control over one or more files or had started the Adabas session with an OP command with R-option. As a consequence of creating a new session for the user with the new nucleus, the EXU/EXF control or file list specified in the OP command are no longer in effect. *Action:* Restart the Adabas session with a new OP command.
25	The user's command was routed to a different cluster nucleus than the one used by previous commands. The user had started the Adabas session with an OP command with ETID. As a consequence of creating a new session for the user with the new nucleus, the user is no longer associated with that ETID. *Action:* Restart the Adabas session with a new OP command.
26	The user's command was routed to a different cluster nucleus than the one used by previous commands. Some cluster nucleus terminated abnormally while the new nucleus was creating a new session for the user. *Action:* Restart the Adabas session with a new OP command.
62	An OP (open) command was issued without a user/ET ID, which is required for this type of application or environment. *Action:* Correct the program to specify a user/ET ID, and rerun the program.
63	An OP command was given for an ET user not in ET status. The user is backed out with an Adabas-generated BT command, and the operation is closed. *Action:* Repeat the OP call.
64	An OP command was issued with an 8-byte ET ID that already exists.

Subcode	Meaning
66	An Adabas session with OPENRQ=YES was active, and the user issued an Adabas command without having issued an OP command. *Action:* Ensure that all users issue an OP command as the first Adabas command.
67	Insufficient Work part 1 space for open command with ETID definition when trying to read the user profile.
68	The user queue element has been deleted. Most likely the command was thrown back due to ISN contention or space shortage. The space shortage is normally workpool space; if this is the case, the LWP parameter setting should be increased.
73	This subcode is issued by Adabas Transaction Manager. The client session had an externally controlled transaction, the outcome of which was “in doubt”. ATM forcibly resolved the “in doubt” transaction. There is a possibility that ATM’s resolution of the transaction might be inconsistent with the intended outcome. Check that the outcome of the session’s Adabas changes, in its previous transaction, was consistent with its changes to non-Adabas resources. Check the external transaction coordinator for reasons why the original transaction might have been left in the “in doubt” state. If the external coordinator indicates that the transaction was completed, and if the relevant system logs give no indication of the cause of the problem, contact our support.
74	This subcode is issued by Adabas Transaction Manager. The client’s database session has lost its ETID. If a transaction was in progress, ATM attempted to back it out from all affected databases and release all held records. Issue a new `OP` command to the database.
75	This subcode is issued by Adabas Transaction Manager. Either a commit operation involving an external transaction coordinator failed, or resynchronization with an external transaction coordinator caused the transaction to be backed out. In the first case, ATM attempted to back out the transaction. For the first case, check the external transaction coordinator for the reason. Check for error messages from ATM transaction managers or the ATM client proxy of the failing job.
76	This subcode is issued by Adabas Transaction Manager. An error occurred while an ATM transaction manager was attempting to rebuild the transaction hierarchy of a client session that has migrated from

Subcode	Meaning
	another ATM transaction manager's domain as a result of dynamic transaction routing. ATM attempted to back out the transaction. Check the status of the transaction using Online Services. Check for error messages from ATM transaction manager or the ATM client proxy of the failing user.
77	This subcode is issued by Adabas Transaction Manager. This message indicates that the client session had an open transaction and has been migrated from one node to another within a cluster (Sysplex), but ATM could not handle the transaction safely because no Migrated Transaction Record (MTR) file had been defined. The transaction was therefore backed out. Define and create an MTR file and restart the ATM transaction managers and clustered application environments in the COR group.
78	This subcode is issued by Adabas Transaction Manager. It was not possible to commit the client session's transaction because of a pending `ET` syncpoint on a target database. This could be because of a concurrent online save operation, database termination, or a `SYNCC` operator command. Backout of the incomplete transaction was attempted. Restart the transaction when the pending `ET` syncpoint has been completed.
79	Used by Adabas System Coordinator to signal the (optional) terminal timeout. Refer to the description of Generate RSP009/79 in the Adabas System Coordinator Parameters documentation for more information.
80	This subcode is issued by Adabas Transaction Manager. The client session was not at `ET` status in the target database. Backout of the incomplete transaction was attempted. Restart the transaction.
81	This subcode is issued by Adabas Transaction Manager. A memory shortage in the ATM transaction manager's address space caused the current global transaction to be backed out. Increase the amount of memory available to the ATM transaction manager, restart it, then restart the transaction.
82	This subcode is issued by Adabas Transaction Manager. A memory shortage occurred in the ATM transaction manager's address space, and ATM attempted to back out the current global transaction. Increase the amount of memory available to the ATM transaction manager, restart it, then restart the transaction.

Subcode	Meaning
83	This subcode is issued by Adabas Transaction Manager. An error occurred during a commit or backout operation for a global transaction. ATM attempted to back the transaction out. If the cause of the error is not apparent from console messages, contact our support.
84	This subcode is issued by Adabas Transaction Manager. ATM reported conflicting use of an ETID. For an `RE` command, this subcode can be returned if the client is known to ATM but has no ETID. The client should issue a `CL` command to each open database; then re-open.
85	This subcode is issued by Adabas Transaction Manager. The global transaction time limit (`TMGTT`) has been exceeded, and an attempt has been made to back out the global transaction. Correct the cause of the timeout, then restart the transaction.
86	This subcode is issued by Adabas Transaction Manager. The global transaction time limit (`TMGTT`) has been exceeded, and the global transaction has been backed out. Correct the cause of the timeout, then restart the transaction.
90	This subcode is issued by Adabas Transaction Manager. The ATM client proxy detected either an inconsistency between its view of the client session's status and the ATM transaction manager's view, or that the transaction manager had restarted. It attempted to back out on all target databases. Close the client's sessions and start them again.
91	This subcode is issued by Adabas Transaction Manager. Transactions on a target database were being quiesced, or an administrator issued a "stop" request for the session's transaction via ATM Online Services or operator command, or there was a pending `ET` syncpoint on the database. Backout of the incomplete transaction was attempted. Restart the transaction when all required target databases are available.
92	This subcode is issued by Adabas Transaction Manager. Transactions on a target database were being quiesced, or an administrator issued a stop request for the user via ATM Online Services or operator command, or there was a pending `ET` syncpoint on the database. The incomplete transaction was backed out. Restart the transaction when all required target databases are available.

Subcode	Meaning
93	This subcode is issued by Adabas Transaction Manager. An error occurred while ATM was attempting either to start a new global transaction or to bring a new database into a transaction. The client proxy backed out changes from all databases. The next command issued returns details of the error that caused the backout. Check the meaning of the response code and act accordingly.
94	This subcode is issued by Adabas Transaction Manager. An error occurred while ATM was attempting either to start a new global transaction or to bring a new database into a transaction. The client proxy attempted to back out changes from all databases. The next command issued returns details of the error that caused the backout. Check the meaning of the response code and act accordingly.
95	This subcode is issued by Adabas Transaction Manager. The client session's transaction was controlled by an external transaction coordinator, which reported that the transaction has been backed out. Restart the transaction.
96	This subcode is issued by Adabas Transaction Manager. The client session's transaction was controlled by an external transaction coordinator, which reported "backed out, outcome pending" for the transaction. This means that backout has begun for the transaction and will be completed when all the resource managers involved in it are able to comply with the backout request. Restart the transaction.
97	This subcode is issued by Adabas Transaction Manager. The CICS Resource Manager Interface is in use, and the ATM client proxy detected that the client session's Task Interface Element (TIE) was being used by another session. This can occur if all of the following are true: ■ Natural is being used, in such a way that two Adabas sessions are maintained for each client. ■ The client control `Transaction Model` is set to MESSAGE. ■ Natural parameters are set such that Natural might not generate `OP` commands for all database sessions. You can make sure that Natural generates `OP` commands by using a non-blank ETID, or by means of Natural's `DBOPEN` parameter.

Subcode	Meaning
	The condition can also occur if all of the following are true: ■ Natural is being used, in such a way that two Adabas sessions are maintained for each client. ■ The Adabas System Coordinator has timed out Natural's "system" session. In this case, a new Natural LOGON might clear the condition. Otherwise terminate the session and start a new session. If the error persists, contact your our support representative.
98	This subcode is issued by Adabas Transaction Manager. The client session was executing in serial mode and requested that changes be committed. Some of the changes were committed, and some were backed out. Examine the results of the transaction. If necessary, correct the result by manual intervention.
99	This subcode is issued by Adabas Transaction Manager. The client session incurred a security response code; ATM backed out the user's changes. If security permissions are not adequate, correct them and rerun the transaction.
249	In Adabas Vista, all transaction activity by the client has been backed out because the client is using multiple (different) ETIDs which have collided against a particular database. *Action:* Review the client's use of ETIDs with respect to the current translation rules and/or partitioned files.

Open Systems

This response is caused by one of the following:

- The last user transaction has been backed out by Adabas (ET logic users only) or an exclusive control user (non-ET user) or an access-only user exceeded the Non-Activity Time Limit.
- The user session was abnormally terminated by the operator and the user issued a command.
- The protection log area (= WORK container) was too small, and an internal BT was executed.

The ADDITIONS 2 field in the control block contains additional information:

First two bytes	Third and fourth bytes	Explanation
0	TT	Transaction timeout
1	TN	Non-activity timeout
2	ST	STOP user
3	LP	WORK overflow
5	SE	Security
6	DL	Deadlock
8	OP	Open transaction
9	OR	Open required
10	RR	Replication recording failed One of the internal Adabas commands issued for replication recording got an unexpected response code, for example 77. This response code is included in the control block in the field ACBXSUBR (only if you use the ACBX interface) and displayed in an RPLIRSP message in the nucleus log.

```
                                        First      Third+
                                         two       fourth
                                        bytes      bytes
                                       -------    -------
Transaction timeout :                    0          TT
Non-activity timeout:                    1          TN
STOP user           :                    2          ST
WORK overflow       :                    3          LP
Security            :                    5          SE
Deadlock            :                    6          DL
Open transaction    :                    8          OP
Open required       :                    9          OR
```

The information in the first two bytes is represented as an integer, and the third and fourth bytes are alphanumeric.

Action

The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

User actions are described in the subcode list in the explanation.

Open Systems

Check the appropriate reason. If the Adabas nucleus was started without the option OPEN_REQUIRED, and the reason for response 9 was a non-activity timeout or a

STOP user, users who started their sessions with an OP command must re-issue their OP command under the following circumstances:

- if they set a User ID
- if they specified restricted file lists
- if they had user-specific timeout values
- if they were not ET users.

If too many transactions are backed out because of a Work overflow, the size of the Work container should be increased.

Response 10

Origin Mainframe systems only

Explanation Too many occurrences for a periodic group.

Response 16

Origin Open systems only

Explanation An error occurred in an MC call during subcommand processing. The error code and additional information can be found in the control block of the subcommand. The first 2 bytes of the Additions 2 field contain the number of the subcommand in binary format. The third and fourth bytes of the Additions 2 field contain the offset of the subcommand's control block in the MC call's record buffer in binary format. All subcommands before the one that failed were executed.

Action Correct the failed subcommand if necessary and re-issue the subcommands beginning with the one that had failed.

Response 17

Origin Mainframe and open systems

Explanation A subcode indicating the specific cause and action for this response code appears in the low-order (rightmost) two bytes of the ACB's Additions 2 field or in the ACBX's Error Subcode (ACBXERRC) field. The following are the subcodes and their meanings:

Subcode	Meaning
1	The program tried to access system file 1 or 2, and no OP command was issued. *Action:* Restructure the program to begin with an OP command.
2	The program tried to access system file 1 or 2, and the user is not authorized. *Action:* Change the program to avoid the access.

Subcode	Meaning
4	One of the following occurred: ■ The specified file number is invalid. The file number might be equal to "0" or greater than the maximum allowed. ■ When running with ADARUN DTP=RM or DTP=TM, an attempt was made by a non-Adabas Transaction Manager user to access/update an Adabas Transaction Manager system file.
5	The file is either not loaded, or has been locked by another user for privileged use. On mainframe systems, for ADAORD and ADAINV utility operations, the write phase has started, and use of the file is now blocked for the type of operation you requested.
6	On mainframe systems, an E1 (delete record) command was given without specifying a valid file number. On open systems, the file to be created already exists.
7	The program tried to perform an LF command on system file 1 or 2.
8	On mainframe systems, the program tried to access a file that was not listed in the file list of an open (OP) executed with the R option. On open systems, an ET user with a restricted file list and ACC = file number attempted to issue a UPD command, or a user with a restricted file list attempted to touch a file that is not in the file list
9	The file that the program attempted to access is completely locked. This may occur because of a LOCKU operation or because the maximum number of logical file extents that can fit into the FCB has been reached. *Action:* If the file was locked using a LOCKU operation and keeping the lock in place is no longer warranted, use the UNLOCKU operation to free the lock. If the file is locked because the maximum number of file extents has been reached, use ADAORD to reorder the file into fewer extents, then use UNLOCKU to free the lock. Note that in the latter case, if you DELETE or REFRESH the file, Adabas also frees the lock.
10	The program attempted to access a file which is locked with exclusive EXU status.
11	An LF command (read FDT) was run on a file that is not loaded; neither the FCB nor the FDT exists.
12	File has been locked with LOCKF.
13	A file is password-protected, and the password was specified, but the corresponding security file is missing (not loaded).
14	A command was issued against a LOB file. Commands involving LB fields should be directed against the associated base file, not the LOB file.
15	A file is being loaded so its information is temporarily unavailable.

Subcode	Meaning
16	On mainframe systems, an attempt was made to perform an update (e.g. A1, E1, N1/2) against a file loaded with the attribute RPLUPDATEONLY=YES or READONLY=YES. On open systems, the file was locked by ADAOPR.
17	An attempt was made to perform an update (e.g. A1, E1, N1/2) against a file loaded with the attribute READONLY=YES.
18	File has been locked with ALOCKF.
21	On mainframe systems, there was not enough space for encoding elements. On open systems, a two-byte file number was used against a lower version database that does not support large file numbers.
22	On open systems, the file control block (FCB) is invalid (corrupted).
23	ICS object could not be located. The following objects must be available in the encoding objects library: File Alpha, File Wide, User Alpha, and User Wide for the combinations between file/user alpha/wide encodings. *Action:* Check that the required ICS objects are available.
24	ICS function get_attribute() failed. *Action:* The function's return code is logged with the nucleus message ADAN7A.
25	One of the following occurred: ■ A required encoding attribute was missing in an ICS object (encoding type, class, or flags). ■ The default space character length was > 4 bytes. ■ Allocation of the default space table failed. ■ If a DBCS-only plane exists, the wide space character was undefined, or the length > 4 bytes, or allocation of the wide space table failed.
29	An Adabas Review communication error has occurred. Contact our support.
52	A non-Adabas target was called.
99	The file's FTD is corrupted. *Action:* To resolve the problem, repair the file by running a restore/regenerate from a consistent state.
249 (0x00F9)	While attempting to satisfy a partitioned file command, Adabas Vista detected the unavailability of an FDT – this is invalid for one of the following reasons: ■ None of the partitions were available/online and at least one of them has the file parameter `Critical` set to YES.

Subcode	Meaning
	■ None of the partitions were available/online and all of them have the file parameter `Critical` set to NO and the command cannot be satisfied with a "no data" response such as RSP003. An error occurred when Adabas Vista (open systems) tried to access a file that was not listed in the file list of an `OP` command executed with the R option. *Action:* Ensure at least one of the file partitions is available/online or review the program logic.

Response 18

Origin Mainframe and open systems.

Explanation Invalid file number usage. The file number was modified between successive L2/L5 calls or between successive L*x* and S*x* calls.

Action Correct the file number.

Response 19

Origin Mainframe and open systems.

Explanation An attempt was made to update a file which is either already open for read access or can only be opened for read access. The leftmost two bytes of ACB's Additions 2 field or the ACBX's File Number (ACBXFNR) field may contain the file number.

Action Do not attempt to update a file with read-only access.

Response 20

Origin Mainframe and open systems.

Explanation One of the following invalid values was used for a command ID value:

- Binary zeros
- Blanks
- The high-order byte contains the hexadecimal value "FF", but there is no automatic command ID generation
- The three high-order bytes contain the ASCII string "SYN".

Action Correct the command ID and avoid using any of these invalid command ID values.

Response 21

Origin Mainframe and open systems

Explanation An invalid command ID value was detected. One of the following explanations or subcodes is provided:

Subcode	Meaning
1	The command ID value was not found in the sequential command table. This is not an initial call and there was no previous initial call, or the command ID was deleted or lost in a timeout or recovery action.
3	The command ID value specified for the L3/L6 command was assigned to another Lx command.
5	The command ID value specified for the L9 command was assigned to another Lx command.
6	Unexpected last file in chain.
7	The command ID value specified was assigned to a different file.
8	The command ID value specified for the Sx command is for a sorted ISN list; the ISN list was not in ISN sequence.
9	An application running with PREFETCH=YES or PREFETCH=OLD attempted to dynamically reverse the read direction of an L3/L6/L9 command. This is not allowed.
10	The master file number is not the same as it was in the initial call for this command ID.
12	ACB(X)Add1 altered after initial call.
13	S9 ISN list already sorted
14	Not a chained file as expected.
15	Not an L2 sequence as expected.
16	Chained file transformed ISNs not permitted.
17	CID does not exist for chained file.
18	File was not master file as expected.
19	Special L3 started on a valid file number and subsequent L3 issued with the API option.
20	Chained file ISNs not transformed.
21	Special L3 system area not as expected. System area changed.
22	The command ID value specified was assigned to a different file and FBL is not equal to zero.
23	Incorrect CID for sort function.
249 (0x00F9)	An invalid command ID value was detected by Adabas Vista (open systems): ■ The command ID value specified with the N option of an `L1/L4` command was not found.

Subcode	Meaning
	■ The command ID value specified with the N option of an `L1/L4` command does not correspond to an ISN list. ■ One or both of the ISN lists referred to in the ADDITIONS 1 field of an `S8` command do not exist. *Action:* Review the program logic.

Action Correct the command ID.

Response 22

Origin Mainframe and open systems

Explanation The command or command option is invalid. A subcode indicating the specific cause and action for this response code appears in the low-order (rightmost) two bytes of the ACB's Additions 2 field or in the ACBX's Error Subcode (ACBXERRC) field.

When using the LNCSTUB module on mainframe systems, this response code may indicate problems with the initial call (IC) to the Adabas CICS command-level link component. If the Adabas control block shows a command code of "IC", the link routine being used may not be at the proper release level or may not be the command-level version.

The following are the subcodes and their meanings:

Subcode	Meaning
1	One of the following occurred: ■ The nucleus detected an invalid command code. ■ A command was issued after a `CL` command in single-user mode.
2	This command cannot be issued by an ACC (access only) user; and update command cannot be issued by an access-only user.
3	This command cannot be performed on a read-only nucleus; an update command cannot be issued for a read-only database session.
4	This privileged command was issued without a previous OP (open) command.
5	The command is not valid for a nonprivileged user.
6	The command was rejected by user exit 11.
7	Incorrect command options were specified for a privileged command.
8	The command is invalid for an ET user in preliminary ET status. First complete the transaction using Adabas Transaction Manager.
9	The current user is not authorized to issue an ET/BT command.
10	The C2 command is no longer permitted.

Subcode	Meaning
11	The C3 command can only be issued by EXU users.
12	The L1/4 command with the option "F" is not valid for expanded files.
13	The call issued is not permitted when the database is in a suspend state.
14	Invalid privileged command.
15	An L1/L4 command specified the multifetch option ("M" or "O") was not combined with either the "I" or "N" option.
16	The user does not have "privileged" command authorization.
17	A refresh file (E1 command with ISN zero) is not permitted during online save database or file.
18	Applications using the ADALNK X'48' call logic receive this response when the logic has been suppressed.
19	On mainframe systems, a special utility command was issued for an obsolete subfunction. On open systems, an ET or BT with command option "S" was issued without subtransactions being enabled for the current Adabas user session by specifying command option "S" in the OP command.
21	One of the following occurred: ■ A BT command was issued by a non-ET logic user. ■ An ET command was issued for a distributed transaction managed by Adabas Transaction Manager; ET commands are invalid for a distributed transaction managed by Adabas Transaction Manager.
22	The current transaction has already been heuristically terminated or the command is not allowed within an MC sequence.
23	One of the following occurred: ■ The last MC subcommand is not ET. ■ A BT command was issued for a distributed transaction managed by Adabas Transaction Manager; BT commands are invalid for a distributed transaction managed by Adabas Transaction Manager.
24	One of the following occurred: ■ An ET or CL command with user data is not allowed for read-only access to a database. ■ CL is invalid because the user has a transaction in progress that is managed by Adabas Transaction Manager.
25	A command was sent from an Event Replicator Server to an Adabas nucleus, but the Adabas nucleus is not running with ADARUN REPLICATION=YES.

Subcode	Meaning
26	An attempt was made by an Adabas nucleus to connect to an Event Replicator Server when the target of the message is actually another Adabas nucleus, not an Event Replicator Server.
27	During initialization, an Auditing Server performed a handshake with a source nucleus and detected that the nucleus is running with AUDITING=NO. *Action:* Make sure that the source nucleus is running with AUDITING=YES.
28	One of the following occurred: ■ A replicated utility may not be executed for a replicated file when the Adabas nucleus is running in single-user mode. ■ During initialization, the ADAARP utility performed a handshake with an Auditing Server and detected that the structure level of the auditing software was different. *Action:* Make sure the structure level of the auditing software in the ADAARP utility and the Auditing Server is the same. This is usually achieved by using the same version/release/SM level of the software.
29	One of the following occurred: ■ An error occurred during a connection attempt by an Event Replicator Server database. Ensure that you are trying to connect to another Adabas nucleus and not an Event Replicator Server and try again. ■ During initialization, the ADAARP utility performed a handshake with an Auditing Server and detected that the Adabas structure level was different. *Action:* Make sure the structure level of the Adabas software in the ADAARP utility and the Auditing Server is the same. This is usually achieved by using the same version/release/SM level of the software.
30	During initialization, Auditing Server performed a handshake with a source nucleus and detected that the nucleus is running with AUDITING=YES but does not send auditing data. *Action:* Make sure that the source nucleus sends auditing data to the server.
31	API file delete not permitted: not API loaded.
32	An attempt was made to update a replicated file in single-user-mode. Replicated files can be updated only in multi-mode; replication is not supported in single-mode. However, a nucleus with replication support can be started in single-mode for maintenance purposes.
33	A shared hold status request (with command option 3 set to "C", "Q", or "S") is not allowed for a command with prefetch (command option 1 set to "P"). On open systems, the command option "S" is not allowed for an S9 command with a non-blank Additions 4 field.

Subcode	Meaning
34	On open systems, the command was rejected by user exit 11.
35	The command cannot be executed with the nucleus parameter NT=1.
36	The descending option "D" is not allowed for the command.
37	On mainframe systems, a shared hold status request (command option 3 is set to "C", "Q", or "S") is not allowed for a non-ET user. On open systems, a shared hold status request (command option 3 is set to 'C', 'Q', or 'S') is not allowed for a non-ET user.
38	A shared hold status request for a sequential read command (command option 3 is set to "Q") is not allowed for an L4 command without the N-option, nor is it allowed for an S4 command without a command ID (CID) or with an ISN buffer length other than 4 bytes.
39	A shared hold status request for a sequential read command (command option 3 is set to "Q") is not allowed for a command with a multifetch (command option 1 is set to "M" or "O"). Also, a shared hold status request (with command option 3 set to "C", "Q", or "S") is not allowed for a read command with prefetch (command option 1 is set to "P").
40	A keep-in-shared-hold-status request (with command option 3 set to "H") is not allowed for an ET or BT command with multifetch or prefetch (command option 1 is set to "M" or "P").
41	A request to read the next portion of a LOB value (command option 2 is set to "L") is not allowed for an L1/L4 command with multifetch (command option 1 is set to "M" or "O") or prefetch (command option 1 is set to "P").
42	On open systems, for an A1 command with command option 2 = 'T', the current time is still the same as the value of the field with SY=TIME in the database.
48	An obsolete internal request to shut down Adabas, supposedly coming from Entire Net-Work, has been issued and rejected.
50	The Router (LCC) detected an invalid command code. This may also arise when a new ACBX-type call is presented to a back-level router.
51	A client call with the ADARUN parameter PREFETCH=OLD has multiple APLX buffers or the contents of APLX+4(chained APLX) is non-zero. To resolve this, use the ADARUN parameter setting PREFETCH=YES.
52	A non-Adabas target was called.
53	Invalid file specified for an Adabas Online System function.
54	The user was stopped with STOPUR or STOPSUR.
55	The command is returned because the command queue timeout time specified by the DELCQ operator command or the AUTOCQTIME ADARUN parameter was reached or exceeded for the command.
57	During initialization, an Auditing Server performed a handshake with a source nucleus and detected that the structure level of the auditing software was different.

Subcode	Meaning
	Action: Make sure the structure level of the auditing software in Adabas nucleus and Auditing Server is the same. This is usually achieved using the same version/release/SM level of the software.
58	During initialization, a source nucleus performed a handshake with an Auditing Server and detected that the structure level of the auditing software was different. *Action:* Make sure the structure level of the auditing software in Adabas nucleus and Auditing Server is the same. This is usually achieved using the same version/release/SM level of the software.
1005	The command code is invalid.
1006	The ACBX is invalid (not first buffer).
1007	The ABD is invalid.
1008	The ABD type is invalid.
1009	More than one search buffer specified.
1010	More than one value buffer specified.
1011	More than one ISN buffer specified.
1012	The number of search and value buffers do not match.
1013	The number of format and record buffers do not match.
1015	A streaming logic error occurred.

Action

Correct the command code or command option or the previous OP command and rerun the program.

Response 23

Origin

Mainframe and open systems

Explanation

An invalid starting ISN was specified for an L2/L5 command sequence:

- The ISN was not assigned to a record in the file; or
- The ISN was greater than the MAXISN in effect for the file.

Open Systems

On open systems the following subcodes may occur:

Subcode	Meaning
249 (0x00F9)	An invalid ISN was detected by Adabas Vista (open systems). The starting ISN specified for an L2/L5 command sequence is not consistent with the definitions for the partitioned file. *Action:* Review the program logic.

Action Correct the ISN.

Response 24

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

For an S9 command:

- The ISN list in the ISN buffer was already sorted; or
- The ISN list in the ISN buffer contained an invalid ISN; or
- The "D" option was specified when trying to sort an ISN list by ISN.

Open Systems

An ISN is equal to "0" or is greater than or equal to the first free ISN found in the ISN buffer. The Additions 2 field contains the value of the invalid ISN in 4-byte binary format.

Action Correct the ISN buffer.

Response 25

Origin Mainframe and open systems

Explanation The ISN specified in ISN lower limit field for an S1/S4 or S2/S9 command was not found.

Open Systems

On open systems the following subcodes may occur:

Subcode	Meaning
249 (0x00F9)	An invalid ISN was detected by Adabas Vista (open systems). The ISN specified in the ISN Lower Limit field for an `S2` command when retrieving a group of ISNs from a saved ISN list was not found. *Action:* Review the program logic.

Action Correct the ISN lower limit.

Response 26

Origin Mainframe and open systems

Explanation An invalid ISN buffer length for an S9 command was detected. The number of ISNs to be sorted as provided in ISN quantity is equal to "0".

Depending on the subcode in the rightmost two bytes of the ACB's Additions 2 field or the ACBX's Error Subcode (ACBXERRC) field, one of the following has occurred:

Subcode	Meaning
2	An S9 command with an ISN buffer contains ISNs that are higher than the TOP-ISN of the file.

Action Correct the ISN buffer length.

Response 27

Origin Mainframe systems only

Explanation Sufficient workspace was not available to accommodate the combined sizes of the search and value buffers as indicated in the search buffer length and value buffer length fields.

Subcode	Meaning
1	Sufficient workspace was not available to generate the format translation.

Response 28

Origin Mainframe and open systems

Explanation The first two bytes of the Additions 1 field contained an invalid descriptor for an L3/L6 or S2/S9 command.

Depending on the subcode in the rightmost two bytes of the ACB's Additions 2 field or the ACBX's Error Subcode (ACBXERRC) field, one of the following has occurred:

Subcode	Meaning
1	The field was not a descriptor.
2	The use of the descriptor is not supported (for example, phonetic descriptors or the descriptor is contained within a periodic group).
3	The descriptor was changed between successive calls.
4	There is a mismatch of the descriptor names in the Additions 1 field and the search buffer.
5	An initial L3 or L6 call contains no trailing blanks in the Additions 1 field.
7	ADAINV is inverting the file and using the descriptor.
8	The descriptor is missing in the file index.
9	An internal error occurred during SB interpretation.

Action Correct the Additions 1 field.

Response 29

Origin Mainframe and open systems

Explanation In an L3 or L6 command, a value repositioning was attempted (bytes 3-8 of the Additions 1 field contain spaces) and the Command Option 2 field did not contain the value "A", "D", or "V". The command ID is released.

Action Correct the Additions 1 or Command Option 2 field.

Response 34

Origin Mainframe systems only

Explanation An invalid command option has been detected.

Depending on the subcode in the rightmost two bytes of the ACB's Additions 2 field or the ACBX's Error Subcode (ACBXERRC) field, one of the following has occurred:

Subcode	Meaning
1	An invalid command option has been specified in one of the command option fields.
2	The R option has been specified for the C5 command, but replication is not active.
9	A record buffer must be specified for this command but is missing (not specified of length zero).

Action Either remove the invalid command option or replace it with a valid option.

Response 35

Origin Mainframe systems only

Explanation The user/DBA attempted to perform a function for a noncluster Adabas nucleus that is available only for an Adabas cluster database.

Action Either perform the function against a cluster database or change the function.

Response 39

Origin Mainframe systems only

Explanation A logically deleted descriptor was used as a search criterion or was specified in the first two bytes of the Additions 1 field for an L3, L6, L9, S2, or S9 command.

Action Remove the use of the logically deleted descriptor and inform your database administrator about the problem.

Response 40

Origin Mainframe and open systems

Explanation A syntax error was detected in the format buffer.

Mainframe Systems

On mainframe systems, one of the following subcodes may be used:

Subcode	Meaning
1	Syntax error in format buffer; possible premature end of buffer segment.
2	Syntax error in the format buffer -- bad first or second character of field name or missing "/".
3	Text literal has no ending quote or is too long (more than 255 characters).
4	Text literal is empty.
5	Expected delimiter missing.
6	Conditional format criterion has no closing parentheses ")".
7	The conditional format criterion is empty.
8	Invalid field name, format, or search operator.
9	One of the following occurred: ■ An invalid edit mask number (greater than 15) was specified. ■ A syntax error in the conditional format criteron was found. ■ Multiple format buffer segments are specified with conditional format criterion.
10	Invalid character following field name specification.
11	Invalid index specification for MU field in PE group.

Subcode	Meaning
12	Expected number missing or too large (>=2^{31}).
13	Syntax error in LOB segment specification.
14	Syntax error in L element specification.
15	Syntax error in D element specification (daylight savings time indicator).
16	Invalid Date-Time edit mask specification.
17	MU/PE index range specification invalid for LOB segment notation.

On mainframe systems, the following information is returned in the Additions 2 field of the control block:

- The leftmost two bytes contain the two characters being inspected when the error was detected.
- The rightmost two bytes contain the subcode.

Open Systems

One of the following format buffer errors occurred.

- The terminating period was missing.
- The first position contains a period, this only applies to N1 or N2 commands.
- Length and/or format specified with a range definition.
- An invalid element was detected.
- A field segment notation was not correct: it must be specified either as `(byte-number,length)` or as `(byte-number,length,length-2)`, where `byte-number` must be either "*" or a decimal number, and `length` and `length-2` are decimal numbers. These numbers must be less than 2,147,483,648.
- A field segment notation was specified for a range of MU fields or for a range of fields within a periodic group.

On open systems, the following information is returned in the Additions 2 field of the control block:

- The leftmost two bytes contain the number of the byte (in binary format) relative to the beginning of the format buffer where the error was detected.
- The rightmost two bytes contain the name of the field being processed when the error was detected.

Action Correct the format buffer.

Response 41

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

One or more specification errors exist in the format buffer. When possible, the short name of the field for which the error occurred is stored at offset 2 of the ACB's Additions 2 field or in the ACBX's Error Character Field (ACBXERRB).

The following specification errors may have been made:

Note: A collation descriptor (COLDE) can only be specified in the format buffer of the L9 command and only when the decode option has been specified in the user exit. The value returned is not the index value but the original field value.

Subcode	Meaning
1	Spacing element *n*X with *n*=0 or *n*>255 not allowed.
2	An invalid sequence of format buffer elements was specified.
3	Miscellaneous types of specification errors were found in the format buffer.
4	A field name was undefined or not elementary.
5	Format without fields.
6	A group field cannot be specified if the group contains a LOB (LB) field.
7	A field name is undefined.
8	Invalid use of `fldD`, `fldL`, `fld,*` or `E(date-time-mask)` notation.
9	Elementary field in PE group: 1-N notation not permitted with LOB (LB) fields or `fldD` notations.
10	A LOB (LB) field, `fldL` (length indicator notation) or `fld,*` (asterisk notation) are not permitted with an L9 command.
11	A length indicator (`fldL`) or asterisk notation (`fld,*`) are only permitted for LA and LOB (LB) fields.
12	LA or LOB (LB) fields are not permitted with 1-N notation, `flda-fldb` (field series) notation or old MU syntax.
13	LA or LOB (LB) fields are not permitted with `fldC,*` (count indicator) or `flda-fldb,*` (field series notation).
14	Asterisk notation and length indicator notation combinations (`fldL,*`) are not permitted.
15	SQL significance indicator and asterisk notation combinations (`fldS,*`) are not permitted.
16	Length indicator (`fldL`), asterisk notation (`fld,*`) or daylight savings time indicator notation (`fldD`) are not permitted for a group field.

Subcode	Meaning
17	Daylight savings time indicator notation (*fld*D) cannot be combined with asterisk notation (*fld*,*) or a length indicator notation (*fld*L).
18	Daylight savings time indicator notation (*fld*D) is only permitted for fields defined with the TZ option.
20	Daylight savings time indicator notation (*fld*D) is not permitted with count indicator (*fld*C) or field series notation (*flda-fldb*).
21	Old MU syntax is not permitted with daylight savings time indicator notation (*fld*D).
22	An invalid length or format has been specified with daylight savings time indicator notation (*fld*D); if specified it must be 2,F.
23	An invalid length or format has been specified with length indicator notation (*fld*L); if specified it must have length 4 and format B.
24	A phonetic, collation, or hyperdescriptor was specified.
25	Date-time edit mask notation (E(*date-time-mask*)) is not permitted with daylight saving time indicator notation (*fld*D), asterisk notation (*fld*,*), or length indicator notation (*fld*L).
26	Date-time edit mask (E(*date-time-mask*)) notation requires format P, U, F, or B.
27	Date-time edit mask (E(*date-time-mask*)) notation and edit mask notation (E0-E15) are not permitted together.
28	Date-time edit mask (E(*date-time-mask*)) notation and count indicator notation(*fld*C) are not permitted together.
30	Date-time edit mask (E(*date-time-mask*)) notation is only permitted for a field defined with a date-time edit mask.
31	Daylight savings time indicator notation (*fld*D), length indicator notation (*fld*L), and asterisk notation (*fld*,*) are not permitted together with LOB segment notation.
32	LOB segment notation is permitted only for LOB (LB) fields.
33	More than one LOB segment with *-position not permitted.
34	Length/format override not permitted for LOB segment notation.
35	Invalid byte number and length parameters in LOB segment notation.
36	Invalid length-2 parameter in LOB segment notation; must be equal to length parameter.
37	Invalid syntax with daylight saving time indicator in format buffer.

Open Systems

An error was detected in the format buffer:

- The field name specified is reserved for edit mask usage.
- An index was equal to 0.

- A length specified or taken from the FDT standard length is greater than the maximum length of the required format.
- *nnn*X was specified with *nnn* greater than 253.
- A literal with more than 253 characters was specified.
- A subdescriptor, superdescriptor, phonetic descriptor, hyperdescriptor or a collation descriptor was specified.
- A field specified was not present in the file.
- A periodic group name appears without an index.
- A length and/or format was used with a group notation.
- A field in a periodic group was specified without an index.
- A range notation with a group name or a multiple-value field as the first or last element was specified.
- A reference was made to the count of a multiple-value field contained in a periodic group, and no index was included to indicate the periodic group occurrence for which the count was to be returned.
- A collation descriptor with the option HE was specified for an L9 command.
- A count specification was made for a field which was neither a multiple-value field nor was contained within a periodic group.
- A count for a non-multiple value field within a periodic group was specified.
- A length and/or format specification was used with a periodic group notation.
- A (regular or periodic) group containing a multiple-value field was specified.
- Invalid index usage.
- A descending index range was specified.
- A double index was used for a non-periodic field.
- A multiple-value field with an index specification and a multiple-value field without an index specification were used.
- A value cannot be converted to the required format (READ command) or converted to the FDT standard format (UPDATE command).
- The S element was applied to a field that does not have the NC option.
- A field with the NC option was used more than once together with its S element.
- The add option is not compatible with the format/length.
- The specification of a character set was invalid.
- A field was specified with an edit mask not allowed for the field.
- A field segment notation '(byte-number,length)' or '(byte-number,length,length-2)' was not correct: byte-number + length must be less than or equal to the maximum value length + 1, and length-2 must be equal to length. The maximum value for LB fields is 2,147,483,643, for LA fields 16381, an for other values 253 bytes.
- Segment notation is only allowed for values with the format 'A'.

The following information is returned in the Additions 2 field of the control block:

- The leftmost two bytes contain the number of the byte (in binary format) relative to the beginning of the format buffer where the error was detected.
- The rightmost two bytes contain the name of the field being processed when the error was detected.

Action Correct the specification error and reissue the command or job. For more information about syntax rules for multiple field and periodic group indexing, refer to the Adabas Command Reference documentation.

Response 42

Origin Mainframe systems only

Explanation A space problem occurred. The following are the subcodes and their meanings:

Subcode	Meaning
1	The Work pool was too small to store a user format. *Action:* Increase the LWP specification and retry.
2	The internal format buffer was too small to store a user format (translated into internal structure). *Action:* Increase LFP specification and retry.

Action See the actions described in the subcodes.

Response 43

Origin Mainframe and open systems

Explanation In an L9 command, the descriptor specified in the format buffer did not agree with the descriptor specified in the search buffer.

Action Correct the format buffer or the search buffer.

Response 44

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

One of the following format buffer errors occurred (subcodes are shown in the leftmost column):

Subcode	Meaning
1	The specified format is not allowed for an update operation. A possible reason for this is the presence of a conditional format buffer with an update operation.
2	The L9 command's format buffer format is not allowed for other commands.
3	The specified format is not allowed for an update operation. A possible reason for this is the presence of a conditional format buffer with an update operation.
4	The L9 command's format buffer format is not allowed for other commands.
5	Format used for L9 can only contain field and an optional daylight savings time indicator (*fld*D).
6	Fixed point format must have length 2, 4, or 8.
7	Conditional format and more than one format buffer was specified.
8	The current Adabas call provides a different number of format buffers than the format reference by CID.
9	Number of format buffer segments (ABDs) is zero.
10	`AAS,AA,AA` is invalid.
12	L option specified but the format has no LOB segment with *-position.

Open Systems

One of the following situations occurred:

Subcode	Meaning
1	■ The format buffer is invalid for use with an UPDATE command (A1), ADD command (N1/N2): ■ Format buffer contains overlapping fields, e.g., GL1-3, GL2-4.. ■ Format buffer contains an 1-N element, e.g., GL1-N.. ■ There is not a 1:1 relation between an L element and the subsequent corresponding element with '*' length. ■ A READ command uses a format buffer from the format pool, which was previously used by update or add command, and which contains an invalid conversion.
12	L option is specified but the format has no LOB section with *-position.
13	The format buffer for an A1 commands with command option 2='T' did not contain a last-update-timestamp system generated field.

Note: Subcodes associated with response 44 are stored in the first two bytes of the Additions 2 field (ACB) and in the error subcode field (ACBX).

Action Correct the format buffer or use a different read or update command.

Response 45

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

The internal format buffer space has been exceeded. Either the LWP parameter setting is too small or the internal format buffer requires more than 2 G.

Open Systems

Multiple field or periodic group overflowed when using the N suffix in the format buffer for update.

The following information is returned in the Additions 2 field of the control block:

- The first two bytes will contain the number of the byte (in binary format) relative to the beginning of the record where the error was detected.
- The third and fourth bytes will contain the name of the field being processed when the error was detected.

Action The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

Increase the size of the LWP parameter and try again. If the problem persists, contact our support for assistance.

Open Systems

Because the multiple field or periodic group reached its absolute limit, the application must be redesigned.

Response 46

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

Subcode	Meaning
1	Too many TBLES elements for this user.
2	The maximum value for the NQCID parameter was exceeded (the number of TBI and/or TBQ elements is greater than NQCID).

Open Systems

Mismatch of format buffer usage for the supplied command ID.

- A command ID of global ID format buffer has been found in the format pool and has a different file number to the file supplied by the caller.
- The file number was changed in subsequent Adabas calls with the same normal or global command ID.

Action

The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

Adjust the size of the NQCID parameter and try again.

Open Systems

Check the command IDs used in the call and try again.

Response 47

Origin

Mainframe and open systems

Explanation

The maximum value for the NISNHQ parameter was exceeded. The following subcodes appearing in the low-order (rightmost) two bytes of the ACB's Additions 2 field or in the ACBX's Error Subcode (ACBXERRC) field provide more detailed information.

Subcode	Meaning
1	An attempt was made to put too many ISNs in hold. The maximum number of ISNs that can be put in hold is specified by the NISNHQ parameter and can be overridden via the Additions-4 field (bytes 3-4) of the user's OP command and via the user profile. *Action:* Increase the value of the NISNHQ parameter or the maximum number of ISNs that the user can put in hold specified in the Additions-4 field (bytes 3-4) of the OP command or in the user profile. Alternatively, modify the application program to store fewer ISNs in hold at the same time.
2	The hold queue was full. If another user has put the maximum number of ISNs in hold, that other user is backed out and will next receive response

Subcode	Meaning
	code 9, subcode 1. The user who is given the response code 47 is not backed out; this user should issue an ET or BT command to release the ISNs from hold. *Action:* Increase the value of the NH parameter. Alternatively, modify the application program to store fewer ISNs in hold at the same time.

Action

Increase the value of the NISNHQ parameter by modifying its ADARUN parameter value in the nucleus startup file, or (on open systems) using ADAOPR.

Response 48

Origin

Mainframe and open systems

Explanation

An error occurred during the processing of a command such as OP or N1. Refer to the hexadecimal subcode that appears in the low-order (rightmost) two bytes of the ACB's Additions 2 field or in the ACBX's Error Subcode (ACBXERRC) field.

Subcode	Meaning
	File(s) not available at open time. This is the default message displayed with this response code if another subcode is not provided.
1	A specified file is locked against the requested use.
2	A specified file is currently in conflicting use.
3	A utility cannot start because an online save operation is in progress.
4	A specified file is already locked or being used by an EXU/EXF or utility user. Use operator command DLOCKF to display file locks, DNFV to display a summary of the current file usage.
5	A utility requiring exclusive database control cannot start because an online save operation is in progress.
6	A utility that requires exclusive database control cannot start because the user queue is not empty.
7	The requested file lock cannot be granted because the file is being used. Use operator command DNFV to display a summary of the current file usage, DFILES to display current users of the file.
8	The user ID specified in the open (OP) command is already in use by another user.
9	An EXU/EXF/UTI lock was requested in the open command, but the file is currently in the file list of a user in UPD/EXU/EXF/UTI status.
10	An EXF/UTI lock was requested in the open command, but the file is currently in the file list of a user in ACC status.
11	A nonprivileged user issued an open (OP) command to a nucleus in UTIONLY (utilities only) status.
13	Online file save attempting to run on an advance-locked file.

Subcode	Meaning
14	UPD/ACC open attempted against advance-locked file.
15	A file requested for an online utility (Adabas Online System or ADADBS) or an E1 program refresh is currently being used.
16	ACODE or WCODE was specified in the record buffer on the command but the nucleus was not activated with UES support.
17	A specified file is locked against the requested use and is advance-locked. The data in the file is not accessible. This can happen if a utility aborts or an autorestart fails.
18	On mainframe systems, this means that a second command was issued by a user who is participating in a two-phase commit (preliminary ET completed; final ET outstanding) or whose transaction has been heuristically terminated. On open systems, this means that the index of the specified file is not accessible. This can happen if a utility aborts or if the index has been disabled by ADAREC REGENERATE or an autorestart.
19	The file number is zero or is greater than the maximum number of files allowed for the database (based on the MAXFILES parameter setting when the database was defined using the ADADEF utility).
20	A regenerate/backout with exclusive database control is rejected because there are in-doubt transactions or heuristically terminated transactions on Work part 4.
21	File is locked for utility usage.
22	An attempt was made to release an advance-lock, but the lock was not set.
23	An advance-lock operation was attempted for a file that has not been loaded.
24	An advance-lock operation was attempted for a file that is already advance-locked.
25	This subcode is issued by Adabas Transaction Manager. The client session has an open global transaction that could not be backed out because it is under the control of an external transaction coordinator and its status is “in doubt”. Depending on the transaction coordinator, you may have a choice of actions: ■ Wait for the external transaction coordinator to complete or back out the existing transaction. ■ Use the coordinator’s facilities to force completion or removal of the transaction. ■ Restart the transaction coordinator to cause resynchronization of in-doubt transactions. ■ Use ATM Online Services to force backout of the local, Adabas-related part of the global transaction.

Subcode	Meaning
	Caution: Using ATM Online Services to force backout of the local, Adabas-related part of the global transaction could result in loss of transaction integrity.
26 - 30	Reserved for Adabas Transaction Manager. These subcodes are given only when Adabas Transaction Manager is in use. Please read the Adabas Transaction Manager documentation for more information.
31	File locked for normal usage
32	A file is in use by an exclusive update (EXU) user. An update request from another user is not permitted.
33	A file is locked for exclusive file control (EXF) or utility update (UTI) usage. The request from a user with a different type is not permitted.
34	An advance-lock operation was performed on a read-only nucleus.
35	An advance-lock operation was performed during an online save.
36	Nucleus in REGENERATE/NOAUTOBACKOUT state.
257 - 260	Reserved for use by Event Replicator for Adabas on open systems.

On open systems, the corresponding file number is returned in the first two bytes of the Additions 2 field in binary format except for value 8 in the third and fourth byte. The value 0 means the whole database.

Action

The following user actions are possible:

- Wait for the other user or utility to finish, then retry the command.
- Make the file available for all users (on open systems, if value 16 occurred in bytes 3 and 4).
- Restore or unlock the file (on open systems, if value 17 occurred in bytes 3 and 4).
- Rebuild the file's index (on open systems, if value 18 occurred in bytes 3 and 4).
- On open systems, if the value in bytes 3 and 4 of the Additions 2 field is 8, and the nucleus was started with the OPEN_REQUIRED option, you can reissue the OP command immediately. This will cause the other user with the same user ID to be stopped, unless that user is currently active.
- On open systems, if a utility receives a response 48 because non-utility users are still active, you can lock the file with ADAOPR LOCK. This ADAOPR command stops all non-utility users from accessing the file and allows only utility users to access the file until it is unlocked again.

  On mainframe systems, if a utility receives a response 48 because non-utility users are still active, you can lock the file with ADADBS MODFCB FILEREADONLY. The FILEREADONLY command stops all non-utility users from accessing the file and allows only utility users to access the file until it is unlocked again.

Response 49

Origin Mainframe and open systems

Explanation The compressed record was too long. It exceeds the maximum permitted compressed record length for the file.

On open systems, the first two bytes of the Additions 2 field contain the length of the compressed record in binary format.

On mainframe systems, the following subcodes may be indicated:

Note: This response code always means that the compressed record is too long and there are duplicate meanings for subcodes but the subcode can help our support analyze where in the code we are giving the response. This can be useful for debugging purposes. Please always provide the subcode when communicating about this response code with our support.

Subcode	Meaning
	File(s) not available at open time. This is the default message displayed with this response code if another subcode is not provided.
1	Multiple-value (MU) field.
2	Periodic (PE) group field.
3	MU field.
4	PE group.
5	PE group level.
6	Remaining fields.
7	Record too long for protection logging (internal error).
8	A compressed record exceeds the permitted length. The error was detected when updating a multiple field.
9	Exceeded segment length maximum.
10	Long alpha or wide field.
11	New compressed record too long
12	Old version MU update.
13	The MU field was defined with an index
14	An MU update caused the compressed record to become too long.
15	An MU update caused the compressed record to become too long.
16	An MU update caused the compressed record to become too long.
17	MU update, MU count > 1
18	An update to an LA field caused the compressed record to become too long.
19	LOB value too long. An attempt was made to update a LOB value segment that ends after the maximum allowed length of LOB valus. This response code/subcode combination is produced as a result of an L1/L4 command

Subcode	Meaning
	with Command Option 2 set to "L" but with the ISN Lower Limit value grater than or equal to the length of the LOB value being read.
20	Compressed Data Sorage record too long. A LOB update attempted to make a long LOB value (greater than 253 bytes) short (less than or equal to 253 bytes), but the base record was too long to embed the short LOB value. This condition was detected when the LOB value was being read from the LOB file.
21	Compressed Data Storage record too long. A LOB update attempted to make a long LOB value (greater than 253 bytes) short (less than or equal to 253 bytes), but the base record was too long to embed the short LOB value. This condition was detected when an attempt was made to insert the short LOB value into the base record.
90	Segment too long
96	Compressed record too long
99	Exceeded segment length maximum

Action

On open systems, add a new DATA extent with sufficient block size (block size >= compressed record size + 8). Alternatively you can start the nucleus with OPTIONS=AUTO_EXPAND; then the Adabas nucleus automatically creates a new DATA extent with sufficient block size.

Response 50

Origin

Mainframe and open systems

Explanation

A syntax error in the record buffer was detected during processing of an OP command, an invalid character set was specified, an invalid time zone was specified, or an invalid file number (zero or greater than maxfiles) was specified.

On open systems, the first two bytes of the Additions 2 field contain the number of bytes (in binary format) relative to the beginning of the record buffer where the error was detected. If a time zone problem occurs, the two right-most bytes of the Additions 2 field in the ACB will contain a subcode; in an ACBX, the Error Subcode field will contain the subcode.

Subcode	Meaning
31	Time zone not found in ADAZON directory. The specified time zone was not found in the ADAZON directory. Verify the time zone was specified correctly. If it was, contact our support for assistance.
32	Time zone pool full. No more time zone information could be loaded. Increase the size of the ADARUN LTZ parameter and restart the nucleus.
33	Open error on DD:TZINFO(MEMBER). Contact our support for assistance.
34	I/O error on DD:TZINFO(MEMBER). Contact our support for assistance.
35	Invalid data in TZ file. Contact our support for assistance.

Subcode	Meaning
36	Invalid transition time in TZ file. Contact our support for assistance.

Action Correct the record buffer and try again.

Response 51

Origin Mainframe and open systems

Explanation An error in the record buffer was detected during processing of an OP command.

One of the keywords EXU, UPD, ACC or WCHARSET is duplicated.

On open systems, the following information is returned in the Additions 2 field of the control block:

- the first two bytes contain the number of bytes (in binary format) relative to the beginning of the record buffer where the error was detected;
- the third and fourth bytes contain the open mode that failed (ACC =1, UPD = 2, EXU = 4, WCHARSET = 128)

Action Correct the record buffer and try again.

Response 52

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

One of the following errors occurred while processing the record, value, or search buffer. In an ACB, the rightmost two bytes of the Additions 2 field contain the subcode; for subcodes 1-5, the leftmost two bytes contain the Adabas name of the field where the error occurred. In an ACBX, the subcode is stored in the Error Subcode (ACBXERRC) field; for subcodes 1-5, the Adabas field name where the error occurred is stored in the Error Character Field (ACBXERRB).

Subcode	Meaning
1	Invalid packed or unpacked decimal value in record buffer.
2	Invalid length for variable-length field specified in record buffer.
3	Invalid null value or no value at all provided for field with NN option.
4	Invalid value for S element in record buffer.
5	Invalid value for S element in value buffer.
6	Encoding a collation descriptor value failed: the collation descriptor exit issued a return code.

Subcode	Meaning
7	Decoding a collation descriptor value failed: the collation descriptor exit issued a return code.
99	An invalid field length was specified.

Open Systems

- The value of a G format field was not in floating point format;
- The value of a P format field was not in packed decimal format;
- The value of a U format field was not in unpacked decimal format;
- A variable-length field was specified without a length parameter;
- The SQL null value indicator (S element) has a value of less than -1;
- A field with the NN option is forced to take the SQL null value;
- The resulting value exceeds 4 bytes (longword) if the format is F, or exceeds the maximum (format dependant) length;
- No record with the specified ADAM key was found.

The following information is returned in the Additions 2 field of the control block:

- The first two bytes contain the number of the byte (in binary format) relative to the beginning of the record/value buffer where the error was detected. This value is -1 if a field with the NN option is forced to take the SQL null value.;
- The third and fourth bytes contain the name of the field being processed when the error was detected.

Action Correct the format, record, value, or search buffer and try again.

Response 53

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

One of the following errors occurred:

Subcode	Meaning
0	The record buffer is too small. *Action:* If the record buffer size: ■ conflicts with the lengths specified in the format buffer, change either the record buffer size or the format buffer specifications to resolve the conflict.

Subcode	Meaning
	■ conflicts with the established global format ID (GFID), either release the GFID or change the record buffer size to match the GFID. ■ default is too small to hold the records in the file including the DVT when running the ADAULD utility, increase the size of the record buffer by setting the ADAULD LRECL parameter. See the Adabas Utilities documentation for more information.
1	The record buffer is too small. When locating a variable field in the input record, the required buffer length exceeded the given length. *Action:* Verify that the record buffer content matches the given format and that sufficient space for variable fields is provided in the record buffer.
2	The ISN buffer is too small. *Action:* Increase the size of the buffer.
3	The record buffer is too small. When locating a variable field within a group in the input record, the required record buffer length exceeded the given length. *Action:* Verify that the record buffer content matches the given format and that sufficient space for variable fields is provided in the record buffer.
4	The record buffer is too small. When locating a field with A,* notation in the input record, the required record buffer length exceeded the given length. *Action:* Verify that the record buffer content matches the given format and that sufficient space for variable fields is provided in the record buffer.
6	The record buffer is too small when the actual length of a variable-length field is included.
7	At least one of the record buffers was too small for the data defined in the corresponding format buffer.
8	The referenced existing format buffer requires more space than that given in one of the record buffers. If this subcode occurs using ADACMP DECOMPRESS, the LRECL of the output record is too small.
9	The record buffer for an internal command from ADASCR is too small.
11	The record buffer for an internal command from AOS is too small.
80	The record buffer for an internal command on a file with spanned records is too small.
99	The record buffer for an internal command within a cluster is too small.
132	The record buffer is too small to accommodate a requested LOB value without truncation.

Subcode	Meaning
249	In Adabas Vista, the record buffer provided for an L9 command with 'I ' option against a partitioned file is not large enough to hold the full list of ISNs. *Action:* Increase the size of the record buffer.

Open Systems

The record buffer was too small, or the ISN buffer was too small for a requested multifetch command. The following information is returned in the Additions 2 field of the control block:

- The first two bytes contain the expected buffer size in binary format. This value is -1 if the command would have exceeded the maximum record size.
- The third and fourth bytes contain the name of the buffer that was too small. ("RB" or "IB"). If the error occurred while using a hyperdescriptor exit, the name of the hyperdescriptor exit is stored here.

Action Increase the record buffer or ISN buffer size, as appropriate.

Response 54

Origin Mainframe and open systems

Explanation The record buffer for a C3, C5, or ET command is too long. The maximum allowed size is 2048 bytes. The following subcodes provide more information:

Subcode	Meaning
1	The record buffer for the C3 command is too long.
2	The record buffer for the C5 command is too long.
3	The record buffer for the ET command is too long.

Action Correct the record buffer specification, then reissue the C3, C5, or ET command.

Response 55

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

One of the following occurred:

- During a read-type operation, a field defined with the SQL null (NC) option contained a null value, but the format buffer held no "S" (significant null) indicator for the field.

In an ACB, the Additions 2 may contain the field name in the leftmost two bytes; the rightmost two bytes may contain the offset into the record buffer. In an ACBX, the Error Character Field (ACBXERRB) may contain the field name; the Error Offset in Buffer (ACBXERRA or ACBXERRG) fields may contain the offset into the record buffer.

- Attempted format conversion was not possible due to incompatible data formats or other compatibility problems.

  In an ACB, the Additions 2 will contain the field name in the leftmost two bytes; the rightmost two bytes will contain the offset into the record buffer. In an ACBX, the Error Character Field (ACBXERRB) will contain the field name; the Error Subcode (ACBXERRC) field will contain the subcode.

Subcode	Meaning
0	Conversion error on record decompression.
1	Invalid conversion between formats.
2	Invalid length for fixed encoding. For example, user encoding Unicode with code-point size of 2 bytes and no even length specified.
4	Conversion error of a floating-point field (underflow) when converting to/from a non-IBM floating-point format.
5	One of the following conditions exists: ■ Format conversion of a field with the NV option is not allowed. ■ In a read command (Lx, Sx), the format buffer of a field containing a null value is defined with the NC option, but without the NN option, and is missing the SQL significance indicator (S). For read-type commands, the S indicator is required when the NC fields are defined without the NN option. If the S indicator is not present when a read command detects an NC-specified field and the field actually contains a null value, this response code and subcode are returned.
6	An invalid length was specified (for example, a wide character field in Unicode encoding must have an even length).
7	Invalid conversion between formats (different case than subcode 1).
8	Conversion error of a floating-point field (overflow) when converting to/from a non-IBM floating-point format.
9	A one-byte field was provided in the record buffer for the occurrence count of an MU field or PE group in a file with extended MU/PE limits. A two-byte occurrence count value is expected.
10	A field using the NC field option has a null value and no S indicator was specified in the format buffer.
20	Unsupported date-time conversion -- internal error.
21	Date-time value outside valid range. The valid range depends on the date-time edit masks being used in the format or search buffer and the FDT.

Subcode	Meaning
22	Invalid local time – (non-existing local time in the gap that occurs when switching from standard to daylight saving time or when the time zone advances GMT offset)
23	Year outside range of 1-9999.
24	Month outside range of 1-12.
25	Day outside range of 1-n.
26	Hours outside range of 0-24.
27	Minutes outside range of 0-59.
28	Seconds outside range of 0-59.
30	Accessing a field defined with option TZ but no time zone was specified in the user session. Issue the OP command with TZ='*timezone*' parameter in the record buffer to set the time zone for the user session.
31	Invalid daylight-saving offset given (*fld*D) for date-time and time zone.
n	Data between user and system data representation could not be converted without error and 2-byte error code from ECS.
254	Numeric field length in format shorter than the field length in the FDT.
255	Field length exceeded maximum for variable fields.

Entire Conversion Service (ECS) error codes are described in *Entire Conversion Service (ECS) Errors*, elsewhere in the Adabas Messages documentation.

Open Systems

A format, length conversion, or truncation error occurred while processing field values in the record buffer or value buffer.

- The value for an FI field is too long;
- The resulting value exceeds the border of the FI field;
- Truncation error of numeric field;
- Truncation of alphanumeric fields or truncation of numeric fields which are converted to alphanumeric, except when OPTIONS=TRUNCATION is enabled in ADANUC;
- A value defined without LA or L4 option with variable length is larger than 253 bytes. This may happen for Unicode fields after conversion to another encoding.
- The length specified for a Unicode field for a character set with fixed character length is not a multiple of the character length: in particular, the length for UTF-16 based character sets must be a multiple of 2, and the length for UTF-32 based character sets must be a multiple of 4;
- The specified value is not a valid date/time value;
- The field does not contain a valid date/time value. This can happen if the value was stored without a date/time edit mask;

- A date/time field with option TZ was specified in the format or search buffer, but there was no time zone specified in an OP command for the current Adabas user session;
- The attempted format conversion was not possible due to incompatible data formats or other compatibility problems.

The following information is returned in the first two bytes of the Additions 2 field, and in the case of an ACBX, also in the field ACBXERRC:

Subcode	Meaning
0	Conversion error.
1	Truncation error.
2	Internal structure error.
5	Internal error.
20	Unsupported DATETIME conversion.
21	Date/time value outside valid range. The valid range depends on the date-time edit masks being used in the format or search buffer and the FDT.
22	Date/time value specified in gap when switching from standard time to daylight saving time.
24	Month not between 1 and 12.
25	Day not between 1 and n, where n is the number of days of the month specified.
26	Hours not between 0 and 24.
27	Minutes not between 0 and 59.
28	Seconds not between 0 and 59.
30	Internal error: missing time zone element for conversion with time zone.
31	Invalid daylight-saving offset given (fldD) for date/time and time zone.

The field name is returned in the third and fourth byte of the Additions 2 field, and in the case of an ACBX in the field ACBXERRB.

In addition, the following information is returned in the case of an ACBX call:

- The offset in the record or value buffer in ACBXERRA;
- The type of buffer in ACBXERRD (‘R’ for error in record buffer, ‘V’for error in value buffer).

Action

Depending on the reason:

- Correct the appropriate buffer and try again;
- If the time zone specification in the OP command is missing, execute an appropriate OP command;

- On open systems, if a record structure error is indicated, run ADAVFY FIELD against the corresponding file. If this produces errors, then the file must be unloaded, decompressed, recompressed and reloaded;
- On open systems, subcodes 2 and 5 should never occur; you should, therefore, contact your nearest support center if you receive one of these subcodes. A copy of the command log and an export copy or backup of the files accessed will help us to analyze the problem.

Response 56

Origin Mainframe and open systems

Explanation One of the following occurred:

Subcode	Meaning
.	The descriptor value was too large. Descriptor values are limited to 1144 bytes.
n	The collation value exceeded the maximum 253 bytes. The subcode *n* is the collation descriptor exit number.

Action Store a shorter descriptor value or collation value.

On open systems, you also can specify the TR option for the descriptor, which truncates larger descriptor values before they are stored in the index. Note that with the TR option, search results may be inaccurate: this is because values that are identical in the first 1144 bytes are considered to be equal to each other.

Response 57

Origin Mainframe and open systems

Explanation In an L9 command, the descriptor specified in the format or search buffer or in the Additions 1 field was invalid or the descriptor was not specified:

- The field name specified may not be the name of a descriptor.
- The descriptor specified may be a phonetic descriptor or a hyperdescriptor, which are not allowed in an L9 command.
- On open systems, the descriptor specified may be a collation descriptor with the option HE.

Action Correct the descriptor in the format buffer, search buffer, or Additions 1 field and try again.

Response 58

Origin Mainframe systems only

Explanation The format could not be found (as defined within format selection criteria).

Action Adjust the format specification and try again.

Response 59

Origin Mainframe systems only

Explanation Format conversion of a subfield is not possible. The source field has fixed point (F) or floating point (G) format.

Action Correct the field for which you are attempting format conversion and try again.

Response 60

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

A syntax error was detected in the format or search buffer. Generally, in an ACB, the first two bytes of the Additions 2 field contain the two characters under inspection when the error was detected and the rightmost two bytes of the Additions 2 field in the ACB contain one of the following subcodes. In an ACBX, the Error Character Field (ACBXERRB) contains the two characters under inspection when the error was detected, and the Error Subcode (ACBXERRC) field contains one of the following subcodes.

Subcode	Meaning
1	Premature end of search buffer.
2	Syntax error in search buffer; possibly a bad field name.
3	Text literal has no ending quote or is too long (more than 255 characters).
4	Text literal is empty.
5	Expected delimiter missing.
6	Soft coupling criterion has not closing parenthesis (")").
7	Soft coupling criterion is empty.
8	Invalid field name, format, or search operator.
9	Invalid edit mask number (greater than 15).
10	Invalid character following field name specification.
11	Invalid specification of MU field in PE group.
12	Expected number missing or too large (greater than 2^{31}).
13	Syntax error in LOB segment specification.

Subcode	Meaning
14	Syntax error in length indicator notation (L) specification.
15	Syntax error in daylight savings time notation (D) specification.
16	Invalid date-time edit mask specification.
17	MU/PE index range specification is invalid for LOB segment notation.

Open Systems

A syntax error was detected in the search buffer.

The following information will be returned in the Additions 2 field of the control block:

- The first two bytes will contain the number of the byte (in binary format) relative to the beginning of the search buffer where the error was detected;
- The third and fourth bytes will contain the name of the field being processed when the error was detected.

Action Correct the format or search buffer and try again.

Response 61

Origin Mainframe and open systems

Explanation An error was detected in the search buffer, value buffer, or during an S8 command.

Mainframe Systems

On mainframe systems, one of the following subcodes may also be included with this response code:

Subcode	Meaning
2	An invalid value operator was detected in the search buffer.
3	An invalid logical operator was specified for an S8 command - Command Option 2.
7	This subcode indicates that one of the following errors occurred: ■ The length of a descriptor value was greater than 253. ■ Invalid file number specification. ■ Invalid selection criteria for an Event Replicator for Adabas initial-state definition. ■ Invalid usage of the "S" or "N" operator. ■ The element order was invalid. ■ The specified field was not a descriptor. ■ The specified field has the "LA" option active.

Subcode	Meaning
	■ A descriptor contained in a periodic group was specified without an index. ■ Invalid connection of partial criteria or different indices were used for a descriptor contained within a periodic group. ■ Invalid periodic group index. ■ Invalid or disallowed use of a phonetic descriptor. ■ A descriptor derived from or contained in a periodic group is not allowed. ■ The FROM-TO operator was specified with a phonetic descriptor. ■ Invalid FROM-TO range specification, or the FROM value was greater than the TO value. ■ The BUT-NOT value was outside the range of the preceding FROM-TO range. ■ An invalid command option was specified for ISN LIST processing (S8 command). ■ The search buffer "S" significant null indicator was specified with a value operator other than "EQ" (equals), which is not allowed.
8	An invalid FROM-TO range was specified. The BUT-NOT value was outside the range of the preceding FROM-TO value.
9	An invalid search criteria was specified.

Open Systems

On open systems, an error was detected in the search or value buffer, or during an S8 command:

- Invalid command option 2 specified for ISN LIST processing (S8 command);
- Invalid element or element order;
- The specified field was neither a descriptor, subdescriptor, superdescriptor nor a phonetic descriptor;
- Invalid connection of partial criteria and/or different indices used for a descriptor contained within a periodic group;
- Invalid use of a phonetic descriptor;
- Invalid periodic group index;
- Invalid index usage;
- The length of a descriptor value was greater than 253 or greater than the permitted length for the required format;
- Invalid format type;
- Invalid file number specification;
- Invalid usage of the S operator - FROM value greater than TO value;

- Invalid usage of the N operator - BUT NOT value was outside the range of the preceding FROM-TO range;
- Invalid comparator;
- The value in the value buffer cannot be converted into the field's FDT format;
- The specified file name is not an ADAM key while using the V option with an A1 or E1 command;
- Invalid value given in the value buffer while using the V option with the A1 or E1 command;
- Invalid usage of the C option - only allowed for collation descriptors;
- A field was specified with an edit mask that is not allowed for the field.

The following information is returned in the Additions 2 field of the control block (not for the S8 command):

- The first two bytes will contain the number of the byte (in binary format) relative to the beginning of the search buffer where the error was detected;
- If the third byte is zero and the fourth byte is 1, the error is invalid length.

  Otherwise the third and fourth bytes will contain the name of the field being processed when the error was detected.

Action Correct the search or value buffer or S8 command and try again.

Response 62

Origin Mainframe and open systems

Explanation One of the following has occurred:

- The length of the search or value buffers as specified in the search and value buffer length fields, respectively, was not sufficient to accommodate the search criteria specified.
- The first character in the search buffer was a period (.).
- The search buffer does not contain a period (.).

Action Correct the search or value buffer and try again.

Response 63

Origin Mainframe and open systems

Explanation The command ID value specified in the search buffer was invalid.

On open systems, the value in the first two bytes of the Additions 2 field indicates the reason (2 byte binary format):

Subcode	Meaning
1	The command ID value specified in the search buffer was not found.
2	The associated ISN list is not sorted in ISN sequence (it has been generated by an S2/S9 command).
3	The command ID was not used in the previous FIND in which the SAVE ISN LIST option was used.

Action Correct the command ID in the search buffer and try again.

Response 64

Origin Mainframe systems only

Explanation This response code is used for communication with Adabas utilities and Adabas Online System (AOS), and was returned because the requested function could not be performed or an error occurred in an AOS or utility function.

Action The subcode may be in the ADADBS output or may be displayed by AOS.

If you do not understand the action to take for a response code 64 or subcode, note the subcode and the function that caused the response code, and call our support for assistance.

Response 65

Origin Mainframe systems only

Explanation An internal error occurred. The nucleus detected a space calculation error.

Action Contact our support for assistance.

Response 66

Origin Mainframe systems only

Explanation An incompatible owner ID was detected during an update operation on a multiclient file. The owner ID may be blank, or too long.

Action Contact our support for assistance.

Response 67

Origin Mainframe systems only

Explanation One of the following errors occurred:

Subcode	Meaning
.	An internal error occurred while executing an S*x* command.
2	An error occurred during superfield generation.

Action Retain all related information, and contact our support for assistance.

Response 68

Origin Mainframe systems only

Explanation A nondescriptor field was used as a search criterion, and the non-descriptor search facility has been set OFF (the default for this facility is ON).

Action The ADARUN parameter NONDES has been set to reject non-descriptor searches; either reset the NONDES parameter to its default value or remove non-descriptor searches from your application. Natural provides a trace facility which locates such Natural application characteristics. contact Software GmbH for details.

Response 70

Origin Mainframe systems only

Explanation An overflow occurred in the table of sequential commands.

Action The DBA may increase the value used for the LQ parameter or RC commands may be used.

Response 71

Origin Mainframe systems only

Explanation An overflow occurred in the table of resulting ISN lists.

Action The DBA may increase the value used for the LI parameter or RC commands may be used.

Response 72

Origin Mainframe and open systems

Explanation One of the following errors occurred:

Subcode	Meaning
6	The `NU` parameter is too small for the execution of a session autorestart. It is smaller than it was in the previous Adabas nucleus session that failed. In a cluster nucleus, the `NU` parameter is smaller than in the nucleus that had established the global lock structure.
7	An overflow occurred in the user queue.
8,9	An overflow occurred in the user queue file list pool.

Action The DBA may increase the value used for the NU parameter.

Response 73

Origin Mainframe and open systems

Explanation An overflow occurred in the section of the Work data set (mainframe systems) or the temporary working space (open systems) in which resulting ISN lists are stored.

On open systems, please note that for read-only databases, temporary working space is only created if a location for it is explicitly specified (environment variable `TEMPLOCn` or entries for `TEMPORARY_LOCATION` in the file *DBnnn.INI*); otherwise only some of the space in the Adabas buffer pool is used for storing the ISN lists.

Action On mainframe systems, the DBA may increase the size of the Work data set and/or the number of saved ISN lists during an Adabas session may be decreased.

On open systems, provide enough temporary working space. For read-only databases, specify the location for the temporary working space explicitly or increase the size of the Adabas buffer pool (ADANUC parameter LBP).

Note: The processing of ISN lists was changed for Adabas Version 5.1. If you get this error with an Adabas Version 3 database, please refer to the Adabas Version 3 documentation.

Response 74

Origin Mainframe and open systems

Explanation No space was available on the Work data set for complex find commands.

Action On open systems, increase the size of the Work data set.

On mainframe systems, increasing the size of the Work data set alone will not solve this problem. Instead, set the value of LWKP2 (WORK-PART-2) to a higher value than the calculated one (whatever that might be). Then increase the size of the Work data set to ensure there is sufficient space for WORK-PART-3.

Response 75

Origin Mainframe and open systems

Explanation Attempts to allocate additional Associator or Data Storage extents for a file were issued, but the maximum number of extents that can be handled by the FCB have already been allocated.

On mainframe systems, BT (backout) or autorestart processing could cause the file to be locked because of inadequate extent space (see response code 48, ADARSP048).

On open systems, the last extent is allocated only for a command which is being backed out and for AUTORESTART and ADAREC REGENERATE. The first two bytes of the Additions 2 field contain the highest possible extent number (in binary format). The third and fourth bytes indicate where the overflow occurred. Possible

values are: "DS" (Data Storage), "AC" (Address Converter), "NI" (Normal Index) and "UI" (Upper Index).

Action On mainframe systems, ask your DBA for assistance; Associator or Data Storage extents may have to be reallocated.

On open systems, unload the file and reload it with appropriate initial allocations.

Response 76

Origin Mainframe and open systems

Explanation An overflow occurred in an inverted list index (the maximum is 15 levels).

Action Unload and reload the file with an appropriate padding factor for the Associator.

Response 77

Origin Mainframe and open systems

Explanation Sufficient space was not available for a required Associator or Data Storage extent.

On mainframe systems, the following subcodes further define the error:

Subcode	Meaning
1	FST empty.
2	AC START RABN not available.
3	AC END RABN not available.
4	FST will not fit into five ASSO blocks.
5	FST exhausted trying to allocate AC extent.
6	ASSO space allocation RABN not on device.
7	ASSO space on required device not available.
8	FROM RABN available, but contiguous space is not sufficient.
9	Associator or Data Storage space of the requested size is not available.
10	Data Storage space on the same device as the previous extent is not available.
11	FST is empty, or data storage for the current MAXRECL value is not available.
12	FST empty.

On open systems, the third and fourth bytes of the Additions 2 field contain either "AS" (Associator) or "DS" (Data Storage). You can also get the response 77 if you specified an explicit RABN for an Associator or Data Storage extent and the requested space is not available at the requested RABN. Please note that Adabas distinguishes between small (< 16KB) and large (>= 16KB) index blocks. This means that a response 77 can be returned even though there are enough free Associator blocks, but the free Associator blocks have the wrong size.

Action

On mainframe systems, ask your DBA for assistance; Associator or Data Storage extents may have to be reallocated.

On open systems, add a new Associator or Data Storage extent to the database using the ADADBM utility or specify a RABN where the requested space is available.

Note: Response 77 can sometimes be prevented by enabling database autoexpand to execute in the online mode (specify the open systems nucleus parameter OPTIONS=AUTO_EXPAND).

Response 78

Origin

Mainframe and open systems

Explanation

The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

The cause of this response is indicated by one of the following subcodes:

Subcode	Meaning
1	The AC file cannot be increased; only one file extent is permitted.
2	The file contains more than either 4 billion or 16 MB of ISNs, depending on the ISN length, or if ISNREUSE is in effect, the file has reached TOPISN and is very fragmented and too much effort would be needed to search for a free ISN.

Open Systems

An overflow occurred in the free space table (FST) as a result of Associator or Data Storage fragmentation, or the maximum number of DSST extents has already been allocated.

Action

The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

If the file has reached the 16-MB limit, you might convert it to a file with the 4-byte ISN option or to an expanded file. If ISNREUSE is in effect, ADABAS ISNREUSE=ON, RESET can be used to reset the rotating ISN pointer or the file can be reloaded to eliminate the fragmentation.

If the file has NOACEXTENSION specified, look for alternatives to increase the file size such as adding an additional file to the expanded file chain. If the file is not part of an expanded file chain, you may want to reload the file to remove the restriction.

Open Systems

If it is an FST problem, reorder the database. If it is a DSST problem, which can only occur in the context of a utility, refer to the message DSSTALL for further information.

Response 79

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

A collation descriptor exit or hyperdescriptor exit error occurred. The following table describes the possible subcodes for this response code and their meanings:

Subcode	Meaning
1	Either a collation descriptor exit (subcode CDX*n* where *n* is the one-byte binary collation descriptor exit number) or a hyperdescriptor exit ("hyperdescriptor exit") was not specified ADARUN.
5	The hyperdescriptor exit stub was called for an extended MU/PE file.
6	Improper use of the parameter list was detected by the Hyperdescriptor Exit Stub. The most likely reason is that a hyperdescriptor exit using the Adabas 8 parameter structures is linked to the Hyperdescriptor Exit Stub.
7	The Hyperdescriptor Exit Stub could not resolve the HEXOLD external reference.
8	Improper use of the parameter list was detected. The second word of the parameter list was modified.
9	A hyperdescriptor exit did not return an output parameter area address.
10	A hyperdescriptor exit rejected the call by setting a nonzero return code in the output parameter header.

Open Systems

A hyperdescriptor exit is not available to the nucleus. The following information is returned in the Additions 2 field of the control block:

- The first two bytes contain the number of the hyperdescriptor exit,;
- The third and fourth bytes contain the name of the hyperdescriptor.

Action The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

The following table describes the actions you should take for each possible subcode for this response code:

Subcode	User Action
1	Reissue ADARUN with the CDX*nn* or HEX*nn* parameter. For more information about ADARUN parameters, read *Adabas Initialization (ADARUN Statement)*, in *Adabas Operations Manual*; for more information about user exits and hyperdescriptor exits, read *User Exits and Hyperdescriptor Exits*, in *Adabas User, Hyperdescriptor, and Collation Descriptor Exits Manual*.
5	The Hyperdescriptor Exit Stub may not be used with extended MU/PE files. For more information about hyperdescriptor exits, read *User Exits and Hyperdescriptor Exits*, in *Adabas User, Hyperdescriptor, and Collation Descriptor Exits Manual*.
6,7	Investigate the Hyperdescriptor Exit Stub link job. For more information about hyperdescriptor exits, read *User Exits and Hyperdescriptor Exits*, in *Adabas User, Hyperdescriptor, and Collation Descriptor Exits Manual*.
8	A likely cause of the error is that a pre-Adabas 8 hyperdescriptor exit was called without a linked Hyperdescriptor Exit Stub. For more information about hyperdescriptor exits, read *User Exits and Hyperdescriptor Exits*, in *Adabas User, Hyperdescriptor, and Collation Descriptor Exits Manual*.
9	Hyperdescriptor exits must return an output parameter area address upon return. For more information about hyperdescriptor exits, read *User Exits and Hyperdescriptor Exits*, in *Adabas User, Hyperdescriptor, and Collation Descriptor Exits Manual*.
10	Investigate the hyperdescriptor exit to determine why the call was rejected.

Open Systems

Define the hyperdescriptor exit and restart the nucleus.

Response 81

Origin Mainframe systems only

Explanation An MU or PE field error occurred, as described by the subcode:

Subcode	Meaning
1	The PE index is greater than 191 (if the maximum number of PE field occurrences is 191).
2	The PE index is greater than 65534 (if the maximum number of PE field occurrences is 65534).
3	The MU index is greater than 65534 (if the maximum number of MU field occurrences is 65534).
4	The MU index is greater than 191 (if the maximum number of MU field occurrences is 191).

Action Correct the MU or PE field problem and try again. If the problem persists, contact our support for assistance.

Response 82

Origin Mainframe systems only

Explanation A hyperdescriptor exit routine returned an invalid ISN.

Action Correct the hyperdescriptor exit routine logic and restart the nucleus.

Response 83

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

A hypertable overflow occurred.

Open Systems

A hyperdescriptor exit routine returned an invalid ISN.

The following information will be returned in the Additions 2 field of the control block:

- The first two bytes contain the offset the invalid ISN in the specified ISN buffer in binary format;
- The third and fourth bytes contain the name of the hyperdescriptor.

Action The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

Open Systems

Correct the hyperdescriptor exit routine and restart the nucleus.

Response 84

Origin Mainframe systems only

Explanation Too many values were present for a subdescriptor or a superdescriptor.

Action Reduce the number of subdescriptor or superdescriptor values and try again.

Response 85

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

Too many descriptor values were present for an update or add record command.

Open Systems

The descriptor value table space cannot be allocated from the buffer pool.

Action The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

Open Systems

Increase the size of the LBP parameter.

Response 86

Origin Mainframe and open systems

Explanation A hyperdescriptor exit return error occurred for one of the following reasons:

- An incorrect sign for a packed descriptor value was created.
- A value with an incorrect length byte was returned.
- The ISN was changed by an update command.

On open systems, the following information is returned in the Additions 2 field of the control block:

- The first two bytes contain a value. This value can be:

1	the hyperdescriptor pool exceeds the nucleus buffer pool
2	the hyperdescriptor exit has returned an invalid pointer, length or count value
3	an element in the user-defined format buffer is not a parent field of the hyperdescriptor
4 - 255	Adabas response code
>255	user-defined error return for hyperdescriptor exit routine

- The third and fourth bytes contain the name of the hyperdescriptor or the name of the parent field.

Response 87

Origin Mainframe systems only

Explanation The Adabas buffer pool is locked; it is too small to accommodate all blocks needed for (parallel) command execution.

Action Check the length of the buffer pool (LBP) as follows:

Subcode	User Action
1	Check the LBP value with DPARM.
2	Increase the ADARUN LBP parameter value.
3	Retry the operation. If the error recurs, call your our support representative for assistance.

Response 88

Origin Mainframe and open systems

Explanation This response code generally occurs when there is a workpool (LWP) shortage. Sufficient work pool space is not available or the sort workspace is too small (even if only one user is active).

On mainframes systems, when this response code occurs, refer to the hexadecimal subcode that appears in the low-order (rightmost) two bytes of the ACB's Additions 2 field or in the ACBX's Error Subcode (ACBXERRC) field. This subcode describes what kind of operation encountered the error.

The following table describes the mainframe subcodes and provides recommended actions.

Subcode	Operation Encountering the Workpool Shortage	Action
1	Only active command is waiting for workpool space.	Increase the ADARUN LWP setting and try again.
	During session autorestart, insufficient workpool or user queue space was encountered.	Increase ADARUN LWP and NU parameter settings and try again.
2	Only active command is waiting for workpool space.	Increase the ADARUN LWP setting and try again.
3	A command waiting for workpool space was interrupted for transaction backout.	
4	A1 command	
5	E1 command	
7	Superfield value generation	
8	N1 command	

Subcode	Operation Encountering the Workpool Shortage	Action
9	OP command	
10	Descriptor value generation	
11	Hyperdescriptor value generation	
12		
13	Subdescriptor value generation	
15	DTP=RM: A getmain error during Work-Part-4 initialization.	
16	Hard-coupled file update processing encountered a workpool shortage.	
17	A session autorestart encountered a workpool shortage.	
18	Session autorestart during online recovery in a cluster	
22	Online reorder by descriptor	
23	Online invert	
24	Open one of the Work data sets in a cluster	
25	Session autorestart in a cluster	
79	Work pool shortage during release of advanced lock function.	
80	Work pool shortage during insert (N1/N2-command) of spanned record	
96	Internal command queue full	
98	Cluster with DTP=RM: Recovery of distributed transactions encountered a workpool shortage.	
99	ET command with P-option	
	Descriptor value generation for multi-client file	
	Single-user mode: Command initialization	
	Replication: Setup of initial-state process	
	DTP=RM: Insufficient user queue space during Work-part-4 initialization	Increase the ADARUN NU setting and try again.

Action

For mainframe systems, review the actions described in the table above.

For open systems, verify the parameter values for the database that relate to the working storage allocation. Ask your DBA to increase the size of the LWP or LS parameter, as necessary.

Response 89

Origin Mainframe systems only

Explanation The UQE was already in use, and an attempt was made to execute two commands at the same time for the same user.

Response 94

Origin Mainframe systems only

Explanation An I/O error occurred on DDWORKR4.

Response 95

Origin Mainframe systems only

Explanation An I/O error occurred on the Work LP area.

Response 96

Origin Mainframe systems only

Explanation An error occurred during ADARES REPAIR utility execution.

Subcode	Meaning
2	An I/O error occurred during nucleus termination; Additions 2 may contain RABN.

Response 97

Origin Mainframe systems only

Explanation An I/O error occurred during buffer flush. Additions 2 may contain RABN.

Response 98

Origin Open systems only

Explanation A uniqueness violation of a unique descriptor was detected during a store or update processing if subtransactions are not activated, or otherwise at end of a subtransaction. The third and fourth bytes of the Additions 2 field contain the name of the descriptor which caused the uniqueness conflict.

Action Check the descriptor values.

Response 99

Origin Mainframe and open systems

Explanation An I/O error occurred.

On open systems, the first 2 bytes of the Additions 2 field (in binary format) contain the extent number. The third and fourth bytes contain the container type ("AS" for ASSO, or "DS" for DATA or "WO" for WORK).

Action On open systems, check whether any disk devices have gone offline or check the error log for hardware errors.

Response 101

Origin Mainframe and open systems

Explanation An error has occurred using one of the client-based Adabas add-on products such as Adabas System Coordinator or Adabas Fastpath.

Mainframe Systems

On mainframe systems, one of the following subcodes may also be included with this response code:

- Subcodes of 20 or less are produced by Adabas Fastpath when an error occurs during the processing of an Adabas command.
- Subcodes of 21 or greater are produced by Adabas System Coordinator.

Refer to the hexadecimal subcode that appears in the command's Adabas control block, Additions 2 field, low-order (rightmost) two bytes. The subcodes are described in the table below:

Subcode	Meaning
2	L3/L9 direct optimization internal error. This is an Adabas Fastpath error. The hexadecimal representation for this subcode is "2".
6	L3 direction change error. This is an Adabas Fastpath error. The hexadecimal representation for this subcode is "6".
7	Direction change integrity check error.This is an Adabas Fastpath error. The hexadecimal representation for this subcode is "7".
8	Default response to internal service commands in the database. This is an Adabas Fastpath error. The hexadecimal representation for this subcode is "8".
9	Optional response for Read Ahead Update warning messages. This is an Adabas Fastpath error. The hexadecimal representation for this subcode is "9".
10	Error following a PLEX move. This is an Adabas Fastpath error. The hexadecimal representation for this subcode is "A".

Subcode	Meaning
21	Session cleanup error. This is an internal error in Adabas System Coordinator. *Action:* Contact our support.
22	You are using the CORS09 client component in a Natural for zIIP environment and Natural zap NA97065 is not applied. *Action:* Apply Natural zap NA97065.
23	Session create error. This is probably due to insufficient memory. *Action:* Increase the job region size. If the problem persists, contact our support.
25	CAB: Allocation failed. Insufficient memory was available for CAB. This is an Adabas System Coordinator error. *Action:* Increase the job region size. **Note:** This subcode is not subject to COR Debug.
26	Incorrect use of asynchronous Adabas calls. *Action:* Contact our support. **Note:** This subcode is not subject to COR Debug.
28	Internal thread concurrency error. *Action:* Contact our support. **Note:** This subcode is not subject to COR Debug.
29	Internal command error: Value buffer is not present. *Action:* Contact our support.
30	Internal command error: Illegal function. *Action:* Contact our support.
31	Error allocating the internal job-structure. *Action:* Increase the job region size. If the problem persists, contact our support.
32	Internal command error: Insufficient record buffer. *Action:* Contact our support.
33	Internal command error: Record buffer is not present. *Action:* Contact our support.
34	Internal command error: Incorrect value buffer format. *Action:* Contact our support.

Subcode	Meaning
35	Memory allocation failure. Insufficient memory was available for an internal area needed for NIM support. This is an Adabas System Coordinator error. *Action:* Increase the job region size. **Note:** This subcode is not subject to COR Debug.
38	Internal command error: Unsupported memory function *Action:* Contact our support.
43	Initialization Error. An error occurred during job initialization in Adabas System Coordinator. *Action:* Ensure that correct runtime controls were defined for the job. If problem persists, contact our support.
46	CAS: No group header record. This error appears if Adabas System Coordinator fails to find a header record for the required System Coordinator group. *Action:* First check that you have a valid CORCFG module pointing to the correct database and file number for your configuration file. Ensure that the load library containing CORCFG is included in the load library concatenation of the job. If CORCFG is present and correct, logon to SYSCOR and verify that you have valid Daemon Group parameters for the job you are running. If all parameters are correct, contact our support for assistance.
49	Internal eventing error: Illegal request. *Action:* Contact our support.
50	Internal error processing add-on products. *Action:* Contact our support.
53	This job is not defined to use the daemon. *Action:* Review and correct the installation for this job.
54	Internal services error. *Action:* Contact our support.
55	Latency processing error. This is an internal error in Adabas System Coordinator. *Action:* Contact our support. **Note:** This subcode is not subject to COR Debug.
56	Latency processing error. This is an internal error in Adabas System Coordinator. *Action:* Contact our support.

Subcode	Meaning
	Note: This subcode is not subject to COR Debug.
59	A critical product or daemon service is unavailable. **Critical product not available:** One or more products - defined as "Critical" in the CORCFG configuration module - could not be initialized due to one of the following: ■ The Adabas System Coordinator Kernel module (CORKRN) was not found. ■ Adabas System Coordinator initialization has failed. There will be a COR message indicating the cause of the failure. *Action:* If the job relies upon a “critical” product, ensure the product is installed correctly. **Daemon Service not available:** This client job has been configured to use a COR daemon service (for example, Daemon latency) but the service is unavailable due to an invalid COR daemon license. This subcode will be accompanied by a COR079E message. *Action:* If the job is configured to use COR daemon services, check the COR daemon has available / is using a valid COR license. **Note:** This subcode is not subject to COR Debug.
60	CORKRN: Critical Products. One or more products have been defined as "Critical" in the Adabas System Coordinator configuration file, and the product has indicated a critical error during initialization. *Action:* Determine the cause of the concurrent command and modify the application to remove it.
62	CORS02/CORS12: Subsystem storage protect facility not activated. Com-plete has been customised to operate with mixed thread keys, but the IBM subsystem Storage Protection override facility is not enabled. Adabas System Coordinator requires this facility to support mixed thread keys in Com-plete. *Action:* Either activate the Subsystem Storage Protection override facility in this system OR change the Com-plete thread groups to operate in Com-plete's key only (see the description of the THREAD-GROUP parameter in the Com-plete documentation). **Note:** This subcode is not subject to COR Debug.
64	Net-Work Clustering: Node not member of Group. This is an internal error in Adabas System Coordinator. *Action:* Contact our support.

Subcode	Meaning
65	Net-Work Clustering: Message segment protocol error. This is an internal error in Adabas System Coordinator. `Action:` Contact our support.
66	Net-Work Clustering: Message sequence error. This is an internal error in Adabas System Coordinator. `Action:` Contact our support.
67	Invalid SVC is being used for the execution of an Adabas call. `Action:` Review and correct the installation. If the problem persists, contact our support.
68	The batch Adabas System Coordinator client component (CORS01) is being incorrectly used for a Multi-TCB job. `Action:` Refer to installation step "Add the System Coordinator to the Adabas Client" in the Installation Procedure section of the Adabas System Coordinator Installation documentation for information regarding the available CORS0*n* client components and their applicability to different job types. If the problem persists, contact our support.
69	Insufficient memory to initialize runtime controls. There is insufficient memory for COR to initialize. This is an Adabas System Coordinator error. `Action:` Increase the memory available to the job.
81	Internal UB Getmain error. This is an internal error in Adabas System Coordinator. `Action:` Contact our support.
82	Invalid session pointer. This is an internal error in Adabas System Coordinator. `Action:` Contact our support.
83	Internal session UB not found. This is an internal error. `Action:` Contact our support.
84	Internal error in Adabas buffer analysis. This is an internal error in Adabas System Coordinator. `Action:` Contact our support.
85	Internal thread getmain error. This is an internal error in Adabas System Coordinator. `Action:` Increase the job region size and rerun the job. If the problem persists, contact our support.

Subcode	Meaning
86	Invalid command block pointer. This is an internal error in Adabas System Coordinator. *Action:* Contact our support.
87	Client versioning has not been installed correctly. *Action:* Check the job for any console messages and ensure that client versioning is installed correctly.
88	Adabas CICS link module and TRUE have not been installed correctly. *Action:* Ensure that the Adabas CICS link module and TRUE are installed correctly. This must be done to enable Adabas System Coordinator to operate in a CICS job. **Note:** This subcode is not subject to COR Debug.
89	The NIM subtask is in the process of being detached. *Action:* None, this subcode simply indicates that a NIM subtask was still issuing Adabas commands when it was terminated by the main NIM task. **Note:** This subcode is not subject to COR Debug.
90	Internal handshake token validation error.
91	Latency processing error (no facility). This is an internal error in Adabas System Coordinator. Action: Contact our support. *Action:* Contact our support.
92	Asynchronous call with no CAB. This is an internal error in Adabas System Coordinator. *Action:* Contact our support.
93	Latency processing error (memory). This is an internal error in Adabas System Coordinator. *Action:* Increase the job region size. If the problem persists, contact our support. **Note:** This subcode is not subject to COR Debug.
94	Latency processing lock error. This is an internal error in Adabas System Coordinator. *Action:* Contact our support. **Note:** This subcode is not subject to COR Debug.
95	Daemon latency processing error. This is an internal error in Adabas System Coordinator. *Action:* Ensure that the System Coordinator daemon is available.

Subcode	Meaning
	If the client that receives this error is using the COLAT daemon latency disk file to manage their session-related information, then this subcode may be indicative that the disk file is full. If so, check the daemon job log for any accompanying error messages. If the problem persists, contact our support. **Note:** This subcode is not subject to COR Debug.
96	Latency processing error (facility deleted). This is an internal error in Adabas System Coordinator. *Action:* Contact our support. **Note:** This subcode is not subject to COR Debug.
97	Latency processing lock error when using daemon latency. *Action:* Contact our support. **Note:** This subcode is not subject to COR Debug.
102	Latency processing unlock error. This is an internal error in Adabas System Coordinator. *Action:* Contact our support. **Note:** This subcode is not subject to COR Debug.
103	Latency processing error for IMS. *Action:* Increase the size of the Daemon latency /pulse services shared memory area size in the COR daemon parameters. **Note:** This subcode is not subject to COR Debug.
200	When running Multi-system dynamic transaction routing, there was an error writing to the Coupling Facility Cache structure. *Action:* Refer to the accompanying COR010S message in the daemon. **Note:** This subcode is not subject to COR Debug.
201	When running Multi-system dynamic transaction routing, there was an error reading from the Coupling Facility Cache structure. *Action:* Refer to the accompanying COR009S message in the daemon. **Note:** This subcode is not subject to COR Debug.
202	When running Multi-system dynamic transaction routing, an incorrect record was read from the Coupling Facility Cache structure. *Action:* Contact our support.

Subcode	Meaning
	Note: This subcode is not subject to COR Debug.
203	When running Multi-system dynamic transaction routing, there was a memory shortage in the local daemon when attempting communications with a peer daemon. This error may be accompanied by a CAS024E message in the daemon. *Action:* Increase the region size for the daemon. If the problem persists, contact our support. **Note:** This subcode is not subject to COR Debug.
204	When running Multi-system dynamic transaction routing, there was a protocol error in the local daemon when attempting communications with a peer daemon. This error may be accompanied by a CAS024E message in the daemon. *Action:* Perform the following daemon checks: ■ Check all daemon members of the group are active ■ Use the DRES operator command to check resource high watermarks ■ Check/increase daemon region size If the problem perists, contact our support. **Note:** This subcode is not subject to COR Debug.
207	When running Multi-system dynamic transaction routing and attempting to move a facility across the Sysplex, there was a memory shortage in the local daemon. This error may be accompanied by a CAS024E message in the daemon. *Action:* Increase the region size for the daemon. If the problem persists, contact our support. **Note:** This subcode is not subject to COR Debug.
208	When running Multi-system dynamic transaction routing and attempting to move a facility across the Sysplex, there was a protocol error in the local daemon when attempting communications with a peer daemon. This error may be accompanied by a CAS024E message in the daemon. *Action:* Perform the following daemon checks: ■ Check all daemon members of the group are active ■ Use the DRES operator command to check resource high watermarks ■ Check/increase daemon region size If the problem persists, contact our support.

Subcode	Meaning
	Note: This subcode is not subject to COR Debug.
210	When running Multi-system dynamic transaction routing and attempting to move a facility across the Sysplex, there was an internal error with the facility size. This error may be accompanied by a CAS024E message in the daemon (limit of once per day). *Action:* Perform the following daemon checks: ■ Check all daemon members of the group are active ■ Use the DRES operator command to check resource high watermarks ■ Check/increase daemon region size If the problem persists, contact our support. **Note:** This subcode is not subject to COR Debug.
211	When running Multi-system dynamic transaction routing using disk latency and attempting to move a facility across the Sysplex, the facility could not be moved due to an error processing the disk latency. This error may be accompanied by a CAS024E message in the daemon. *Action:* Perform the following daemon checks: ■ Check all daemon members of the group are active ■ Use the DRES operator command to check resource high watermarks ■ Check/increase daemon region size ■ Check disk latency settings If the problem persists, contact our support. **Note:** This subcode is not subject to COR Debug.
212	When running Multi-system dynamic transaction routing and attempting to move a facility across the Sysplex, there was an internal error writing to daemon managed shared memory. . This error may be accompanied by a CAS024E message in the daemon. *Action:* Perform the following daemon checks: ■ Check all daemon members of the group are active ■ Use the DRES operator command to check resource high watermarks ■ Check/increase daemon region size If the problem persists, contact our support. **Note:** This subcode is not subject to COR Debug.

Subcode	Meaning
213	When running Multi-system dynamic transaction routing and attempting to move a facility across the Sysplex, there was a protocol error in the local daemon when attempting to remove the facility from a peer daemon. This error may be accompanied by a CAS024E message in the daemon (limit of once per day). *Action:* Perform the following daemon checks: ■ Check all daemon members of the group are active ■ Use the DRES operator command to check resource high watermarks ■ Check/increase daemon region size If the problem persists, contact our support. **Note:** This subcode is not subject to COR Debug.

Open Systems

On open systems, one of the following Adabas System Coordinator subcodes may also be included with this response code:

Subcode	Meaning
1 (0x0001)	The standard Adabas or Entire Net-Work ADALNKX library could not be loaded. *Action:* Check that the `ADALNKX` parameter in the Initialisation File (cor.cfg) is set correctly and that the library exists.
2 (0x0002)	The standard Adabas or Entire Net-Work ADALNKX library could not be loaded. *Action:* Contact our support.
3 (0x0003)	The standard Adabas or Entire Net-Work ADALNKX library does not export all expected functions. *Action:* Check that the `ADALNKX` parameter in the Initialisation File refers to an ADALNKX library and not an ADALNK or ADALNK32 library.
4 (0x0004)	Adabas did not return the database architecture information in the ISN lower limit field when an `OP` command was issued to the Configuration File. *Action:* Contact our support.

Subcode	Meaning
5 (0x0005)	The path to the Initialisation File (cor.cfg) could not be determined. *Action:* Check the HKLM\SOFTWARE\Software GmbH\Adabas System Coordinator registry key and ensure the Path value is set correctly (Windows). Check that the $CORDIR and $CORVERS environment variables are set correctly (Linux).
6 (0x0006)	The `ADALNKX` parameter could not be read from the Initialization File (*cor.cfg*). *Action:* Check that the Initialization File exists and that the ADALNKX parameter is set correctly.
7 (0x0007)	The `LFILE` parameter could not be read from the Initialization File. *Action:* Check that the Initialization File (*cor.cfg*) exists and that the `LFILE` parameter is set correctly.
8 (0x0008)	An incompatible version of an Adabas add-on product is installed. *Action:* Contact our support.
9 (0x0009)	An incompatible version of an Adabas add-on product is installed. *Action:* Contact our support.
10 (0x000A)	The library for an Adabas add-on product could not be loaded. *Action:* Check that the Adabas add-on product is installed correctly.
11 (0x000B)	The library for an Adabas add-on product could not be unloaded. *Action:* Contact our support.
12 (0x000C)	The address or length of the format, record, search, value or ISN buffer appears to be invalid. *Action:* Check the buffer addresses passed to the adabas() function and the lengths specified for the buffers in the Adabas control block.
13 (0x000D)	The CORADC load module could not be fetched (Mainframe). *Action:* Check that $STEPLIB environment variable is correct and that the CORADC load module exists in the specified data set.

Subcode	Meaning
14 (0x000E)	Port range exhausted (there are not enough allocated to this computer). *Action:* Configure a larger port range for the Adabas System Coordinator Computer using Adabas Manager.
15 (0x000F)	Port conflict (the allocated port is in use by another application). *Action:* Assign a different port to the Adabas System Coordinator daemon or change the port range for the Adabas System Coordinator computer using Adabas Manager.
16 (0x0010)	Computer name could not be generated. *Action:* The Adabas System Coordinator Launch Control could not generate a unique computer name for the machine. Create an Adabas System Coordinator computer for this machine manually using Adabas Manager.
17 (0x0011)	The FDT of the Configuration File is not compatible with Adabas System Coordinator. *Action:* Check that the database and file numbers are correct.
18 (0x0012)	The version of Adabas is not compatible with Adabas System Coordinator. *Action:* Contact our support.
19 (0x0013)	The SAGABS library could not be loaded. *Action:* Check that the SAGABS library is installed.
20 (0x0014)	The SAGABS library could not be unloaded. *Action:* Contact our support.
21 (0x0015)	The SAGABS library is not compatible with Adabas System Coordinator. *Action:* Contact our support.
22 (0x0016)	Port conflict (the allocated port is in use by another Adabas System Coordinator Group). *Action:* Assign a different Group Services port to the Adabas System Coordinator Computer using Adabas Manager.
23 (0x0017)	Unable to spawn process (the command line parameters specified for the process are invalid). *Action:* Contact our support.
24 (0x0018)	Length of compressed record buffer length exceeds limit. *Action:* Contact our support.

Subcode	Meaning
25 (0x0019)	Length of compressed record buffer could not be determined. *Action:* Contact our support.
26 (0x001A)	Product not installed or not configured correctly. *Action:* Check that the Adabas add-on product is installed correctly.
27 (0x001B)	Configuration file version does not match the running version. *Action:* Contact our support.
28 (0x001C)	Configuration file layout is not as expected for a configuration file. *Action:* Contact our support.
29 (0x001D)	The installed Adabas version does not correctly process LF 'S' commands (Adabas 6.1.9 or earlier). *Action:* Contact our support.
30 (0x001E)	The installed Adabas version does not support LF 'I' commands (unzapped Adabas 8.2.2 or earlier). *Action:* Contact our support.
31 (0x001F)	Migration of the Configuration File was unsuccessful. *Action:* Check the output of the migration process for erros. If the reason for an unsuccessful migration cannot be determined, contact our support.
52 (0x0034)	Exception reading/writing pointer. *Action:* Contact our support.
0000A001-FFFFA001	A TCP/IP error occurred. *Action:* The left-hand side of the subcode contains the operating system error code.
0000A002-FFFFA002	A DNS error occurred. *Action:* The left-hand side of the subcode contains the operating system error code.

Response 102

Origin Mainframe systems only

Explanation Space calculation error.

Action Retry the open operation.

Response 105

Origin Mainframe systems only

Explanation An ICS error occurred. Please check for an accompanying ADAN7A message with further information.

Response 106

Origin Mainframe systems only

Explanation The prefetch table record buffer specified in the UDB is too small.

Response 107

Origin Mainframe systems only

Explanation Either a GETMAIN error occurred or there was insufficient space when performing prefetch. Prefetch is switched off.

Response 109

Origin Mainframe systems only

Explanation The specified command ID is already active on another database for this user.

Response 110

Origin Mainframe systems only

Explanation The command ID pool is full.

Action Increase the size of either or both the ADARUN NQCID or NU parameters.

Response 113

Origin Mainframe and open systems

Explanation The specified ISN was invalid for one of the following reasons:

- An HI command was issued with ISN less than MINISN or with an ISN equal to zero (0).
- An N2 command was issued with ISN equal to 0 or larger than the MAXISN in effect for the file.
- An N2 command was issued and the specified ISN was assigned to another record in the file.

- An A1, L1/L4, or S1/S2/S4 (with FB) command was issued for a nonexistent ISN, or an E1 command for a nonexistent ISN other than zero.
- An L3/L6 command found an ISN in the index which did not exist in the address converter.
- An N1/N2 command tried to access a file protected by security-by-value, but the command user is not authorized to access the file.
- A read or update command tried to access a multiclient file's record using either a blank or incorrect-length owner ID, or an owner ID that does not apply to the record.
- An RI command was issued for a record that has been updated earlier in the same transaction. The record cannot be released from hold status prior to transaction end. Subcode 5 is issued for this reason.
- Subcode 19 is given when a base file record is not found in the address converter (AC). At the end of a LOB update in the LOBfile, the associated base file record no longer existed.
- Subcode 249 is given only when Adabas Vista is in use. Refer to the Adabas Vista documentation for more information.

Open Systems

On open systems, the following subcodes may occur:

Subcode	Meaning
249 (0x00F9)	An invalid ISN was detected by Adabas Vista (open systems). The ISN specified for an `E1, HI` or `L1` command is not consistent with the definitions for the partitioned file. *`Action:`* Review the program logic

Action Correct the ISN problem and try again.

Response 114

Origin Mainframe and open systems

Explanation A refresh file function using the E1 command was issued (E1 with ISN=0), and one of the following situations has occurred.

The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

One of the following subcodes may be present:

Subcode	Description
1	A file refresh is not permitted for the file because either ■ the file parameter setting is PGMREFRESH=NO (can be checked with ADAREP or via Adabas Online Services (AOS) Display File) ■ or the command ID field (ACBCID or ACBXCID) is not all blanks.
2	The user has not completed transactions to the file. Updates have been performed or records are still in hold, but the user has not issued an ET or BT command to commit or back out the updates.
3	Other users are accessing or updating the file. This is determined by the user access or update counts available internally to Adabas.
4	The file is a multiclient file and the user is not a superuser.

Open Systems

One of the following situations has occurred:

- PGM_REFRESH is not specified for the file.
- The user session is not at ET status.

Action

The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

If you forgot to specify the ISN for the E1 command, the CID setting is incorrect, the command was not issued at ET status or the user is no superuser: correct your program accordingly.

If other users are accessing or updating the file STOP these users.

If PGMREFRESH=YES was not specified for the file in question, specify PGMREFRESH=YES for the file with ADADBS or Adabas Online Services (AOS) or load the file with the appropiate ADALOD parameter.

Open Systems

If you forgot to specify the ISN for the E1 command, or the command was not issued at ET status, correct your program. If PGM_REFRESH was not specified for the file in question, specify PGM_REFRESH for the file with ADADBM.

Response 123

Origin Mainframe systems only

Explanation An error was reported by the Adabas cluster messaging service on the sender's side. The message was not sent. One of the following subcodes may be present:

Subcode	Meaning
4	No valid destination(s)
8	Too many destinations
12	Invalid message type
16	Invalid environment
20	Send buffer length exceeded
24	Receive buffer length exceeded
28	No replies or acknowledgment(s) before the message timed out. For more information about the timeout value, refer to descriptions of the ADARUN MXMSG parameter.
32	Unable to allocate AXMCB
36	Timed out on originating system
40	Timed out on destination system
44	Canceled on destination system
48	Receive error on destination system
52	Unable to allocate buffer
56	Too many buffer elements
80	Messaging is inactive
96	Terminate member unsuccessful
128	Other Trans-port service error

Action If you are unable to resolve the problem, contact our support.

Response 124

Origin Mainframe systems only

Explanation An error was reported by the Adabas cluster messaging service on the receiver's side. The message was sent. One of the subcodes described for response code 123 (ADARSP123) may be present.

Action If you are unable to resolve the problem, contact our support.

Response 125

Origin Mainframe systems only

Explanation An internal error occurred when one cluster nucleus attempted to issue an internucleus command to one or more of the other cluster nuclei. This condition usually leads to abnormal termination.

Action Contact our support.

Response 126

Origin Mainframe systems only

Explanation A messaging error occurred during internucleus communication:

- The nucleus did not respond within the allotted time (see the ADARUN MXMSG parameter); or
- One or more problems occurred in what could be a broadcast; that is, a communication with multiple targets. In this case, each individual ACB contains either response code 0 (ADARSP000) or 123 (ADARSP123) or 124 (ADARSP124).

Action If you are unable to resolve the problem, contact our support.

Response 129

Origin Mainframe systems only

Explanation In an Adabas cluster environment, the user attempted to perform an Adabas function that is not yet supported by Adabas cluster nuclei.

Response 130

Origin Mainframe systems only

Explanation An error identified by one of the following subcodes occurred in an Adabas cluster environment:

Subcode	Description
1	A user table entry (UTE/PLXUSER) was not found in the MPM 8 call. This may indicate that a command was directed to an Adabas Cluster Services or Adabas Parallel Services nucleus ID (NUCID), not the DBID.
2	A user table entry (UTE/PLXUSER) was not found in the MPM 12 call.
9	The associated PLXUSER(UTE) was unsuitable at command initiation. One possibility is that the UQE of the user was deleted between the time the user's command was routed to one nucleus in the cluster and the time that nucleus selected the command for processing. Another possibility is that the PLXUSER and UQE UID string did not match because the PLXUSER may have been released and possibly reassigned to another user.

Subcode	Description
10	The associated PLXUSER(UTE) was unsuitable at command completion. The PLXUSER and UQE UID string did not match because the PLXUSER may have been released and possibly reassigned to another user.
11	No Work data set entry in active PPT block (bad PPT block).
12	Invalid internal NUCID (internal error).
13	Invalid external NUCID (bad PPT block, internal error).
14	Work data set already open for same internal NUCID, other external NUCID.
15	Work data set already open for same external NUCID, other internal NUCID.
16	Different Work data set already open for same peer nucleus.
17	Work data set of peer nucleus could not be opened.
18	I/O error when trying to read Work data set of peer nucleus.
19	Unexpected (invalid) data in Work data set of peer nucleus.
20	Mismatching DBID in Work data set.
21	Mismatching Adabas version indicator in Work data set.
22	Work data set written by non-cluster nucleus.
23	Partially written block in Work data set protection data extension area.

Action

For subcode 1, correct the application program attempting to issue commands using the NUCID. If that is not the case, or for other subcodes, contact our support for assistance.

Response 131

Origin

Mainframe systems only

Explanation

In most cases this response code will be given to the user in the URBRRSP field of the URBR block with the subcode in the URBRSUB field. The subcode appears either in the low-order (rightmost) two bytes of the additions 2 field or in the URBRSUB field. It indicates the specific cause and action for this response code. The following are the subcodes and their meanings:

Subcode	Meaning
1	The combination of URBD plus payload data does not fit in the output buffer. *Action:* Change the subscription definition to make the record shorter.
2	The subscription user exit set a value in URBRERRC. *Action:* Check the URBRERRC field and correct the error if appropriate.
3	There is insufficient space in the nucleus replication pool. In other words, the value specified by `LRPL` has been exceeded. *Action:* Increase the LRPL size of the nucleus and try again.

Subcode	Meaning
4	There is insufficient space in the Event Replicator Server replication pool. In other words, the value specified by `LRPL` has been exceeded. *Action:* Increase the size of the LRPL parameter and try again.
5	The subscription user exit modified data length (URBDLEND) to an invalid value. *Action:* Check the subscription user exit.
6	The response destination (URBIRNAM) specified in a client request is undefined or not usable for sending the response. *Action:* Correct the status request to specify the name of an existing destination definition.
7	Both the subscription (URBISNAM) and the destination (URBIDNAM) to be specified in a status request are missing. At least one of them must be specified. *Action:* Correct the status request.
8	The subscription (URBISNAM) specified in a status request is undefined. *Action:* Correct the status request.
9	The initial state name specified was not found. *Action:* Correct the initial-state request.
10	The destination for response in URBI following URBI 1 is not equal to those of URBI 1. *Action:* Correct the initial-state request.
11	The initial state name in URBI following URBI 1 is not equal to that of URBI 1. *Action:* Correct the initial-state request.
12	The combination of DBID and file specified in the initial-state request is not found in the initial-state definition. *Action:* Correct the initial-state request.
14	Not all combinations of DBID and file are specified in the initial-state request. A URBI must be sent for each DBID/file specified in the initial-state definition. *Action:* Correct the initial-state request.
15	Field URBILEND is invalid. *Action:* Correct the initial-state request.
16	The specified ISNLIST is invalid. *Action:* Correct the initial-state request.

Subcode	Meaning
17	The initial-state process has been stopped by an operator request. *Action:* No action is required.
18	Different request tokens have been specified in different URBI elements in the same message. *Action:* Correct the initial-state request.
19	Selection data is not allowed for an initial-state definition for all records or for destination open/close client requests. *Action:* Correct the initial-state or destination open/close client request.
20	Invalid input data for decompression was found during the subscription phase. *Action:* Check the index of the replicated file.
22	The file/DBID supplied for the initial-state process is deactivated for replication. *Action:* Check the cause of deactivation and repeat the request after reactivation.
23	Invalid UES parameter in URBI . URBIARC, URBIACOD, and URBIWCOD must contain invalid values and must not be all blanks. *Action:* Verify that the URBIARC, URBIACOD, and URBIWCOD elements are not all blanks.
24	Invalid UES parameter in URBI. URBIARC, URBIACOD and URBIWCOD must be zero for input requests where encoding and architecture is not evaluated -- that is, for status requests, destination open/close requests, "initial state all records" or "initial state ISN list" requests. *Action:* The URBIARC, URBIACOD, and URBIWCOD elements must be zeros for "initial state all records" requests, "initial state ISN list" requests, status requests, or destination open/close requests. Verify that this is the case.
25	The unused URBIRES1 and URBIRES2 fields must contain binary zeros for all requests. *Action:* Verify that these fields contain binary zeros.
26	The destination (URBIDNAM) specified in a client request is either undefined or not usable for sending the response. *Action:* Correct the client request.
27	No active destinations for status request. *Action:* No action is required.

Subcode	Meaning
28	An initial-state request was issued to an Event Replicator Server address space that was terminating as a result of an ADAEND or HALT command. An initial-state request may only be issued when the Event Replicator Server is active. *Action:* Reissue the initial-state request when the Event Replicator Server has been restarted.
30	Unknown response destination name in URBIRNAM for a prior-transaction request. *Action:* Correct the prior-transaction request.
31	Unknown destination name in URBIDNAM for a prior-transaction request. *Action:* Correct the prior-transaction request.
32	Unknown or omitted subscription name in URBISNAM for a prior-transaction request. *Action:* Correct the prior-transaction request.
33	Destination in URBIDNAM is not related to subscription in URBISNAM for a prior-transaction request. *Action:* Correct the prior-transaction request.
34	Subscription in URBISNAM has no resend buffer defined for a prior-transaction request. *Action:* Correct the prior-transaction request.
35	Transaction in URBITSNR for subscription in URBISNAM was not found in the resend buffer. The transaction may have been overwritten in the circular resend buffer. *Action:* Check the source of the transaction number.
36	The subscription in URBISNAM is not active. *Action:* No action is required.
37	An invalid transaction was found in the resend buffer. This is an internal error. *Action:* Notify our support.
38	There are no active destinations for a prior-transaction request. *Action:* No action is required.
39	URBILEND must be zero for prior-transaction requests. *Action:* Correct the prior-transaction request.
40	URBIDBID and URBIFNR may not be specified for this type of client request. *Action:* Correct the client request.

Subcode	Meaning
41	URBIINAM may not be specified for prior-transaction requests. *Action:* Correct the prior-transaction request.
42	UES parameters URBIARC, URBIACOD and URBIWCOD may not be specified for prior-transaction requests. *Action:* Correct the prior-transaction request.
43	Reserved fields URBIRES1 and URBIRES2 must be zero for prior-transaction requests. *Action:* Correct the prior-transaction request.
44	Number of active concurrent initial-state requests exceeded IMAXREQ. *Action:* Increase the IMAXREQ setting or reduce the number of active concurrent initial-state requests.
45	Input request URBH eyecatcher is invalid. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .
46	Input request URBHLEN is invalid. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .
47	Input request URBHBORD is invalid. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .
48	Input request URBHVERS is invalid. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .
49	Input request message truncated. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .
50	Input request URBHLENT is invalid. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .

Subcode	Meaning
51	Input request URBILENH is invalid. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .
52	Input request URBILEND is invalid. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .
53	Input request URBILEN is invalid. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .
54	Input request reserved area is not zero. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .
55	Input request more than one status received. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .
56	Input request invalid URBI request received. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .
57	Input request different interleaved requests received. *Action:* Verify that you are submitting only one kind of request to the Event Replicator Server. Only one type can be submitted at a time (for example, you cannot request initial-state processing and transaction status information requests in the same message). Correct the input information and try again. For more information, read *Event Replicator Client Requests* in *Event Replicator for Adabas Application Programmer's Reference* .
58	Invalid destination for response. *Action:* Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference* .

Subcode	Meaning
59	A replay request was issued for a database not defined to the Event Replicator Server. *Action:* Correct the DBID in the replay request or define the database to the Event Replicator Server.
60	Invalid replay token. The replay token is not defined or is outdated. *Action:* Specify a valid replay token.
61	Invalid request sent to Event Replicator Server. RBL is insufficient, no FB provided on Init handshake or other such errors. *Action:* Notify our support.
62	After an Adabas failure and session autorestart, replication data was recovered for which a matching FDT was no longer available. The FDT had been changed or deleted by a utility operation. Adabas suppressed the record images of the replicated records, because without a matching FDT, the Event Replicator Server could not process them. *Action:* Use application-specific means to bring the replicated data in sync again, if necessary.
63	The file specified in a C5 command with R-option is not replicated. *Action:* Specify the file number of a replicated file.
64	The filter defines a comparison between two field types for which a comparison is invalid. *Action:* Correct the filter definition.
65	The filter refers to a field that is not defined in the internal format buffer. *Action:* Correct the filter definition or define the field in the database.
66	The filter defines a comparison against a field that is not selectable as it has no type (for example, a superdescriptor). *Action:* Correct the filter definition.
67	The filter uses values in an FLIST specification that are invalid or out of range. *Action:* Correct the filter definition.
69	Replay for same DBID/FNR already running.
71	Date/time format or value incorrect for replay. *Action:* Check the syntax of the specified date and time values. Do not specify future date and time values.
72	Incorrect replay parameters. *Action:* Check and correct the specified replay parameters.

Subcode	Meaning
73	A subscription involved in the replay was inactive at the beginning of replay processing or was deactivated while the replay was running. *Action:* Reactivate the deactivated subscription and rerun the replay process for the subscription.
74	A destination involved in the replay was inactive at the beginning of replay processing or was deactivated while the replay was running. *Action:* Reactivate the deactivated destination and rerun the replay process for the destination.
75	A replay destination that was defined without SLOG was closed at the beginning of replay processing or while the replay was running. *Action:* Reopen the closed destination and rerun the replay process for the destination.
76	ADARPL terminated abnormally. *Action:* Investigate the cause of the error, correct it, and run a new replay job.
77	Invalid replay status transition. Events that change the status of a replay process occurred in an unexpected order. *Action:* Notify our support.
78	New transactions from Adabas could not be kept on hold during a replay in synchronized mode. *Action:* Run a new replay process involving the same subscriptions and destinations as the previous replay process to recover the replication data that Adabas produced while the first replay was running.
79	A replay process was canceled by a user (RPLCLEANUP operator command). *Action:* If appropriate, run another replay job with corrected parameters.
80	A timeout occurred while the Event Replicator Server was waiting for the end of a synchronization process after reactivating replication for a file in Adabas. The synchronization process ends when all transactions have finished that had updated the file before it was reactivated. *Action:* Wait until the Event Replicator Server reports the activation of the file (ADAF2L message). Then run a new replay job.
81	A utility other than ADARPL specified a replay token when connecting to the Event Replicator Server. *Action:* Notify our support.

Subcode	Meaning
82	The Event Replicator Server is not connected to Adabas at the start of a replay process with the TOKEN parameter. *Action:* Start Adabas and let it connect to the Event Replicator Server. When running a replay with the TOKEN parameter, Adabas must be active.
83	Neither a subscription nor a destination was specified in a replay request. *Action:* Specify at least one subscription or destination.
84	A replay in replay-only mode was requested, but replication data from Adabas would flow through an active subscription-destination pair involved in the replay. For a replay in replay-only mode, some subscriptions and destinations must be inactive such that no data from Adabas can flow through the same subscription-destination pairs as the replay data from ADARPL. *Action:* Change the replay parameters or the activation status of the subscriptions or destinations involved in the replay.
85	A file involved in the replay was inactive at the beginning of the replay or deactivated while the replay was running. *Action:* Reactivate the deactivated file and rerun the replay process for the subscriptions involved in the replay that get data from the file.
86	Invalid format buffer was specified for destination-type Adabas update commands. *Action:* Correct the format buffer.
87	An unexpected message sequence number was encountered. *Action:* Contact your our support representative.
88	An unrecognized eye-catcher was encountered in control block following the URBH. *Action:* Contact your our support representative.
89	The same subscription name was specified more than once for an Adabas automated replay (defined using the Adabas Event Replicator Subsystem). *Action:* Verify that a subscription is specified only once in an automated replay, and try again.
90	The same destination name was specified more than once for an Adabas automated replay (defined using the Adabas Event Replicator Subsystem). *Action:* Verify that a destination is specified only once in an automated replay, and try again.

Subcode	Meaning
91	The replay start date and time were not supplied for an automated replay (defined using the Adabas Event Replicator Subsystem) or for multiple destination open/close client requests. *Action:* Verify that a destination is specified only once in an automated replay or in multiple destination open/close client requests and try again.
92	The timeout parameter specified for an automated replay was too high. *Action:* Reduce the timeout parameter value and try again.
93	PLOG information was not recorded in the Event Replicator Server system file. *Action:* Contact your our support representative.
94	The AI/BI format buffer was used also for the key. An attempt was made to decompress a key value, but the related format buffer is for data storage and not for a key. *Action:* Contact your our support representative.
95	An attempt to set user/Event Replicator Server encoding 01-RPEQU * failed. This might occur if you are using enhanced filtering logic and UES SACODE/SWCODE/SARC values are set for a subscription. *Action:* Contact your our support representative.
96	The Adabas nucleus that was the target of an initial-state request returned response code 148 (ADARSP148), indicating it is not available. *Action:* Start the targeted Adabas nucleus and retry the initial-state request.
97	A format buffer was specified which contains a LOB field, which is not supported. *Action:* Correct the format buffer.
99	The subscription name (URBISNAM) specified in the destination open/close client request contains a value other than spaces. *Action:* Correct the destination open/close client request by setting this field to spaces.
100	The transaction sequence number (URBITSNR) specified in a destination open/close client request contains a value other than binary zeroes. *Action:* Correct the destination open/close client request by setting this field to binary zeroes.
101	The destination open/close request failed on some tasks. *Action:* Investigate the cause of the error.
102	The destination open/close request failed. *Action:* Investigate the cause of the error.

Subcode	Meaning
103	The destination open/close request was not performed because the destination's status was already in the state being requested. In other words, the destination was already opened or closed. *Action:* No action is required.
104	Begin byte in field filter is longer than the field length. *Action:* Adjust the specifications for the beginning byte or length and try again.
105	Begin byte plus the portion length in the field filter is longer than the field length. *Action:* Adust the specifications for the beginning byte or the portion length and try again.
106	Begin byte or length not supported for field with format U, P, F, G, or W. *Action:* Specifying a beginning byte or length is only supported for alphanumeric and binary fields. Change the field on which you are working or abandon this attempt.
107	Length value invalid for field. *Action:* Adjust the length specification and try again.
108	Input request URBI eyecatcher is invalid. *Action:*Correct the input information and try again. For more information, read *Event Replicator Client Requests* in the *Event Replicator for Adabas Application Programmer's Reference*.
109	An Adabas security (ADASCR) function has been invalidly replicated to a subscription file defined with SFSECURITYFILE=NO. *Action:* Ensure the subscription file definition used for the security file is defined with SFSECURITYFILE=YES.
110	An invalid Adabas security (ADASCR) pseudo transaction has been replicated to the Event Replicator Server. *Action:* Contact our support for assistance.
111	A replicated record (e.g., delete, insert, refresh, or update) has been invalidly replicated to a subscription file defined with SFSECURITYFILE=YES. *Action:* Ensure that the subscription file definitions for a file, other than a security file, is defined with SFSECURITYFILE=NO.
112	A request to convert an update to a delete failed because no before image was provided.
113	Insufficient WORK pool space. *Action:* Increase the value of the ADARUN parameter `LWP`.

Subcode	Meaning
114	During a recovery process, segments of a spanned record arrived in the wrong sequence.
115	`FB='C'` was requested when the length of the compressed record was greater than 65,535.
116	Initial state with SELCRIT is not supported for files with spanned DS support.
117	Cannot decompress ciphered records. No Cipher code is returned from ADASAF.
118	Replay-Only Replay is not allowed if one or more destinations involved are closed. *Action:* Ensure that the destination(s) selected for replay-only mode replay processing are not closed.
119	A GETMAIN request failed in the REPTOR.
120	The FDT length is invalid.
121	The input compressed record is too long.

Action Perform the action provided for the appropriate subcode in the subcode table.

Response 132

Origin Mainframe and open system

Explanation The exact meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

This response code indicates that an error occurred while Adabas was reading or updating a *LOB file*. The subcode indicates the kind of error.

If the subcode is less than 256, it is the same as the original response code that occurred during LOB file processing. The most likely subcodes are listed in the table below. For subcodes not listed, see the description of the Adabas response code with the same value.

If the subcode is greater than 256, it signals an error condition unique to the processing of LOB files. These subcodes are listed in the table below.

Subcode	Description
8	A LOB file operation was aborted due to a pending backout of the user's command or transaction. One reason for this backout may be that the user's transaction occupied too much space on the protection area on the Work data set (see response code 9 (ADARSP009), subcode 15).
17	The LOB file is not loaded.
48	The LOB file is locked for exclusive read or update by another user.
65	An internal error in the work pool space calculation occurred for LOB file processing.
113	A LOB file segment record was not found in the Address Converter element referred to by the LOB file index. Either the LOB file is physically inconsistent or an illegal concurrent LOB file update occurred during the LOB file read operation.
145	An attempt failed to put a LOB file segment record on hold for a user, because it was already held by another user. This subcode indicates illegal update contention for the same large object field value. The base file-LOB file pair is possibly inconsistent.
165	The LOB file descriptor is not found in the index; The LOB file index is bad.
172	An ISN in the LOB file index is bad. The LOB file may be physically inconsistent.
175	The descriptor value in a LOB file segment record differs from the descriptor value in the LOB file index. Either the LOB file is physically inconsistent or an illegal concurrent LOB file update occurred during the LOB file read operation.
177	A LOB file segment record was not found in the Data Storage block referred to by the Address Converter. Either the LOB file is physically inconsistent or an illegal concurrent LOB file update occurred during the LOB read operation.
257	An error in the base file-LOB file linkage exists; a file with LB fields is not really the *base file* of the *LOB group*.
258	An error in the base file-LOB file linkage exists; the file linked to the base file of a LOB group is not really a LOB file.
259	An error in the base file-LOB file linkage exists; the LOB file linked to a base file of a LOB group refers back to a different base file (or none at all).
260	An error in the base file-LOB file linkage exists; either no LOB file was linked to a base file or the LOB file number is invalid.
261	The LOB file has been left in an inconsistent state by an aborted utility execution.
262	An LB field length element specification error occurred in the format buffer (`'xxL,4,B'` was expected).
263	An invalid LOB file segment descriptor was encountered. The set of LOB file segment records associated with one LB field value is inconsistent. Either

Subcode	Description
	the LOB file is bad or an illegal concurrent LOB file update occurred during the LOB file read operation.
264	An invalid LOB file segment record was encountered. The contents of a LOB file record are inconsistent. The LOB file is bad.
265	The length of an LB field value in the LOB file differs from the length stored in the associated base file record. Either the base file and the LOB file are out-of-sync or an illegal concurrent LOB file update occurred during the LOB file read operation.
266	A bad LB field value reference was encountered in a base file record. The base file is bad.
267	An LB field value referred to in a base file record is not present in the LOB file. Probably, the base file and the LOB file are out-of-sync.
268	Internal LOB update error. At the end of a LOB update in the LOB file, the LOB value reference or placeholder was not found in the associated base file record where it was expected. Possibly, the base file record was changed in parallel.
270	Internal LOB update error. At the end of a LOB update in the LOB file, the base record was not in exclusive hold status anymore.
297	A planned feature for large object (LB) fields (for example, character code conversion of LB field values) is not yet supported.
298	Too many (more than 32,767) LB field occurrences were specified in the format buffer.
299	An internal error occurred due to LOB file processing.

Open Systems

LOB data processing may fail because of concurrent updates. If a new attempt to process the LOB data also fails, this response code is returned. The subcode (field ACBXERRC in the ACBX) provides more information:

Subcode	Description
297	A planned feature for large object (LB) fields (for example, character code conversion of LB field values) is not yet supported.
300	The referential integrity and uniqueness checks done by subtransactions are currently not compatible with commands that modify LOB values.

Action

The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

Resolve the problem described in the subcode list in the explanation.

Open Systems

If one of the subcodes above occurs, you must change the program that is making the Adabas calls.

If the subcode (field ACBXERRC in the ACBX) is not one of the subcodes mentioned above, and if the response code 132 is reproducible even though the accessed LOB fields are not being updated, contact our support.

Response 133

Origin Mainframe systems only

Explanation An error was detected when an attempt was made to replicate a compressed record. The subcode identifies the kind of error.

Subcode	Description
1	The function is not permitted for this type of file. The file is a LOB-file.
2	The compressed input record length is invalid.
11	The record structure is invalid.
12	An invalid elementary empty field was encountered. The structure does not agree with the FDT definition.
13	An invalid multiple-field count was encountered.
14	An invalid periodic group count was encountered.
15	An invalid structure of an elementary field was encountered.
65	A space calculation error occurred.

Response 134

Origin Mainframe systems only

Explanation An error was detected when creating system fields. The subcode identifies the kind of error.

Subcode	Description
1	An invalid update parameter was encountered (logic error).
2	The field is not a system field.
4	The file does not support a setting of MUPEX=2 (number of MU occurrences greater than 191.

Response 136

Origin Mainframe systems only

Explanation This response code is used for communication with Adabas utilities and Adabas Audit Administration (SYSALAA) or Adabas Online System (AOS). The system returns this error because the requested function could not be performed on the Adabas system and its files, or because an error occurred in a SYSALAA/AOS or utility function.

Action For SYSALAA/AOS, a subcode is displayed in the error message or a descriptive message indicates the error that occurred. For utility functions, the subcodes may be described within the message text or a descriptive message indicates the error that occurred. If you do not understand the action to take, note the subcode and the function that caused the response code and call our support for assistance.

Response 144

Origin Mainframe and open systems

Explanation One of the following occurred:

- The ISN specified with an update (A1) command was not in hold status for the user and command option H was not specified.
- An ET or BT command specifying the M (multifetch) option specified an ISN in the ISN buffer that is not in hold status for the user. All currently held ISNs are released from hold status.

  In this case on open systems, the first 2 bytes of the Additions 2 field (in binary format) contain the offset of that ISN in the ISN buffer.

Action Put the ISN in hold status before using the A1 command or the multifetch ET or BT commands.

If Adabas Transaction Manager is in use, verify that the setting for the Transaction Model parameter is appropriate for the program that was executing and is also appropriate for the runtime environment in use.

Response 145

Origin Mainframe and open system

Explanation The exact meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

On mainframe systems, one of the following situations occurred:

- An N1/N2 command was issued, but no hold queue entry was available.
- A command was issued with the return option specified that attempted to hold an ISN already in the hold queue for another user. The command is not placed in wait status.

Use the subcode associated with this response code to further clarify why this response occurred.

Subcode	Meaning
0	N2 command for an existing ISN was issued.
1	Hold queue space problem detected. The user is the only active user and is running with the -R option.
2	The ISN was held by someone else. The read request is running with the -R option.
8	The hold status of a record could not be upgraded from shared to exclusive because another user was already waiting to do the same. The two users became deadlocked.
9	Two or more users became deadlocked while holding ISNs and attempting to put more ISNs in hold status.

Open Systems

On open systems, one of the following situations occurred:

- An attempt was made to insert a record using an N2 command with an ISN that is in hold status.
- An attempt was made to hold an ISN which was in hold status for another user and the R option is specified. In this case, the Additions 2 field contains the binary value 0;
- Hold queue overflow. In this case, the Additions 2 field contains a value not equal to 0.

  Note: This hold queue overflow error can only occur with Adabas versions < 5.1.

Response 146

Origin Mainframe and open systems

Explanation The exact meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

An invalid buffer length was detected by the Adabas interface routine. If the command uses a classic ACB, the buffer is larger than 32,767. If the command uses an ACBX, the buffer is greater than 2,147,483,647, or the send length in the ABD is greater than the buffer length. The subcode identifies the buffer type:

Subcode	Buffer Type
1	Format buffer
2	Record buffer
3	Search buffer
4	Value buffer
5	ISN buffer
6	User information buffer
7	Performance buffer
8	Multifetch buffer

Open Systems

An invalid buffer length was detected by the Adabas interface routine, in an MC call, or one of the following errors occurred for a multifetch command:

- the buffer header was invalid (both offsets are set)
- at least one ISN buffer offset was not divisible by 4
- the start offset was outside the multicall buffer range
- the record buffer was not large enough to contain all subcommand control blocks.

The value in the Additions 2 field identifies the buffer: the first 2 bytes contain the buffer number in binary format, the last two bytes contain the buffer name, as shown in the following table:

```
Bytes 1-2        Bytes 3-4
   1             FB (format buffer)
   2             RB (record buffer)
   3             SB (search buffer)
   4             VB (value buffer)
   5             IB (ISN buffer)
```

Action Correct the buffer length and try again.

Response 147

Origin Mainframe and open systems

Explanation The exact meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

The ISN was invalid. The ISN transformation resulted in a negative ISN or an ISN greater than the maximum ISN permitted for the file.

Open Systems

A user buffer is not accessible by the Adabas interface routine.

Action

The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

Open Systems

Check whether the control block, format buffer, value buffer, record buffer and ISN buffer have valid addresses and lengths. Check whether the control block, ISN buffer and record buffer are write-protected.

Response 148

Origin

Mainframe and open systems

Explanation

The Adabas nucleus was either not active or not accessible (a call could not be sent to the Adabas nucleus when the command was issued). In an ACB, refer to the hexadecimal subcode that appears in the low-order (rightmost) two bytes of the Additions 2 field; in an ACBX, refer to the binary subcode that appears in the Error Subcode (ACBXERRC) field.

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

The following are the decimal equivalents of the subcodes and their meanings:

Subcode	Occurrence Location	Description	Action
0	open systems	No active database server was found, either local or remote.	Start the nucleus and reissue the command.
1	mainframe systems	Exclusive database control requirement conflicts with read-only nucleus status.	Remove the READONLY=YES parameter setting for the nucleus and restart it.
2	mainframe systems	A nonprivileged call was made to the nucleus while it was in utility-only (UTI) mode.	Remove the UTIONLY=YES parameter setting for the nucleus and restart it.
3	mainframe and open systems	The nucleus is performing shutdown processing (an ADAEND operation) and will not accept new users or new transactions. Either a new user is attempting to begin operation or	Wait for the nucleus to shut down, restart it, and reissue the command.

Subcode	Occurrence Location	Description	Action
		an existing user in ET status is trying to continue operation.	
4	mainframe systems	A utility with exclusive database control is running.	Either stop the utility or wait for its processing to complete (this is preferred) and try again.
5	mainframe systems	A single-user nucleus could not start operation due to an error that could not be corrected.	Verify that single-user mode has been set up correctly and restart the nucleus.
21	open systems	Entire Net-Work access communication has failed. The first two bytes of the Additions 2 field contain an error number.	Refer to your Entire Net-Work documentation for further information.
22	open systems	There is a problem with the Adabas IPC (Interprocess communication) driver. The first two bytes of the Additions 2 field contain an error number.	Shut down the nucleus, if it is still active, and restart it. If the error still occurs, try issuing the command `showipc -kd <dbid>`, then restart the nucleus and reissue the command.
23	Adabas open systems version 3.1 only	There is a problem attaching the Adabas IPC (Interprocess communication) driver's shared memory	Shut down the nucleus, if it is still active, and restart it. If the error still occurs, try issuing the command `showipc -kd <dbid>`, then restart the nucleus and reissue the command.
24	open systems	The ADALNK shared library cannot be loaded correctly.	Check the locations and permissions of the ADALNK shared library.
26	open systems	An IPC (Interprocess communication) problem occurred during open processing, e.g. the shared memory could not be attached.	One reason for these messages may be that someone has deleted an IPC resource. If this is the case, shut down the nucleus, if it is still active, and restart it. If the error still occurs, try issuing the command `showipc -kd <dbid>`, then restart the nucleus and reissue the command.
27	open systems	An IPC (Interprocess communication) problem occurred during a read in the message queue.	
28	open systems	An IPC (Interprocess communication) problem occurred	

Subcode	Occurrence Location	Description	Action
		during a write in the message queue.	Another reason these messages may occur may be that the IPC resources are not sufficient. In this case, increase the IPC resources, or decrease the values of some nucleus parameters on which the required amount of IPC resources depends., or stop some other process that also consumes IPC resources. For more information about IPC resources, refer to the section *Increasing System V IPC Resources* in the Adabas open systems installation documentation.
29	Linux platforms only	IPC (Interprocess communication) resources exist, but the database server was not active.	Issue the command `showipc -kd <dbid>`, restart the nucleus, and reissue the command.
50	mainframe systems	At command completion RSP148 was set but without a subcode. This subcode is set to indicate the command was processed by the target. This often occurs in a Cluster or Parallel Services environment when one of the targets is no longer active.	Contact your our support representative for assistance.
51	mainframe systems	The command router found no suitable target. The target was determined not to be an Adabas Cluster Services or Adabas Parallel Services database.	Contact your our support representative for assistance.
52	mainframe systems	The command router found no suitable target. The target was determined to be an Adabas Cluster Services or Adabas Parallel Services database.	Contact your our support representative for assistance.

Subcode	Occurrence Location	Description	Action
53	mainframe systems	The command router found a suitable target but the target became inactive while queuing the command.	Contact your our support representative for assistance.
54	mainframe systems	When the caller attempted to retrieve the results of a completed command the target was no longer active.	Contact your our support representative for assistance.
55	mainframe systems	The target became inactive while the caller was attempting to retrieve the results of a completed command.	Contact your our support representative for assistance.
58	mainframe systems	An error occurred while POSTing the Adabas nucleus ECB after queuing a command.	This may be seen if the nucleus is terminating. Otherwise contact your our support representative for assistance.
59	mainframe systems	This subcode is set as a default in the first stage of command routing.	Contact your our support representative for assistance.
61	mainframe systems	A command sent from a nucleus to another nucleus caused an ABEND while the caller was attempting to initiate the command. The target may have become inactive. The ABEND was intercepted and recovered.	This may be seen if the target nucleus is terminating. Otherwise contact your our support representative for assistance.
64	mainframe systems	A command sent from a nucleus to another nucleus caused an ABEND while the caller was attempting to retrieve the results of a completed command. The target may have become inactive. The ABEND was recovered by ADAMPM.	This may be seen if the target nucleus is terminating. Otherwise contact your our support representative for assistance.
101/201	mainframe systems	Set in SVCCLU when a specifically designated local nucleus is not available for a physical call. The 201 subcode appears when this subcode is set on a remote node. See the note on ACB(X)ADD2 for information on how to identify the remote node.	Contact your our support representative for assistance.

Subcode	Occurrence Location	Description	Action
102/202	mainframe systems	Set in SVCCLU when a specifically designated remote nucleus is not available for a physical call. The 202 subcode appears when this subcode is set on a remote node. See the note on ACB(X)ADD2 for information on how to identify the remote node.	Contact your our support representative for assistance.
103/203	mainframe systems	Target ID disagreement between IDTE and PLXNUC. The 203 subcode appears when this subcode is set on a remote node. See the note on ACB(X)ADD2 for information on how to identify the remote node.	Contact your our support representative for assistance.
104/204	mainframe systems	Unable to find PLXMAP matching an existing PLXUSER. The 204 subcode appears when this subcode is set on a remote node. See the note on ACB(X)ADD2 for information on how to identify the remote node.	Contact your our support representative for assistance.
105/205	mainframe systems	Entire Net-Work unavailable, cannot route existing user to remote nucleus. The 205 subcode appears when this subcode is set on a remote node. See the note on ACB(X)ADD2 for information on how to identify the remote node.	Contact your our support representative for assistance.
106/206	mainframe systems	Entire Net-Work unavailable, cannot route new user to remote nucleus. The 206 subcode appears when this subcode is set on a remote node. See the note on ACB(X)ADD2 for information on how to identify the remote node.	Contact your our support representative for assistance.
107/207	mainframe systems	No open nucleus available for a new remote user. The 207 subcode appears when this subcode is set on a remote node. See the note on ACB(X)ADD2 for information how to identify the remote node.	Contact your our support representative for assistance.

Subcode	Occurrence Location	Description	Action
108/208	mainframe systems	Incorrect PLXMAP update received by LOCAL=YES nucleus. The 208 subcode appears when this subcode is set on a remote node. See the note on ACB(X)ADD2 for information on how to identify the remote node.	Contact your our support representative for assistance.
109/209	mainframe systems	An internal command used to synchronize across multiple nodes was received for an Adabas Parallel Services database. Such databases may execute on only one node. Depending on intersystem communications timing this may occur as a database is changed from Adabas Cluster Services to Adabas Parallel Services. Otherwise, this is a logic error.	Contact your our support representative for assistance.
110/210	mainframe systems	Unable to assign specified nucleus to remote user. The physical command arrived via Entire Net-Work for a specific nucleus, but the specified nucleus is on another system. Only one Entire Net-Work transmission is allowed. The 210 subcode appears when this subcode is set on a remote node. See the note on ACB(X)ADD2 for information on how to identify the remote node.	Contact your our support representative for assistance.
300	mainframe systems	The Entire Net-Work node found no suitable target.	Ensure that the database nucleus is active and reachable by Entire Net-Work nodes.
1019	open systems	No active database found.	Contact your our support representative for assistance.
1020	open systems	The Entire Net-Work relay failed.	Contact your our support representative for assistance.
1021	open systems	EC: Not XTS directory information available.	Contact your our support representative for assistance.

Subcode	Occurrence Location	Description	Action
1022	open systems	No context found.	Contact your our support representative for assistance.
1023	open systems	No local database found.	Contact your our support representative for assistance.
1024	open systems	Invalid context found.	Contact your our support representative for assistance.
1025	open systems	General logic error; no XTS found.	Contact your our support representative for assistance.
1026	open systems	A server shutdown occurred.	Contact your our support representative for assistance.
1027	open systems	A server overload occurred.	Contact your our support representative for assistance.
1028	open systems	The server rejected a call.	Contact your our support representative for assistance.
1029	open systems	No such DBID.	Contact your our support representative for assistance.
1030	open systems	The database is inactive.	Contact your our support representative for assistance.
1031	open systems	No response.	Contact your our support representative for assistance.
1032	open systems	An invalid protocol was found.	Contact your our support representative for assistance.
1033	open systems	An unknown response occurred.	Contact your our support representative for assistance.
1034	open systems	Remote communication is not allowed.	Contact your our support representative for assistance.

Action Review the user actions provided in the explanation above.

Response 149

Origin Open systems only

Explanation A communication error was detected. The Additions 2 field contains the system service completion code which caused the error response.

Subcode	Description
1035	Context allocation failed.
1036	Inconsistent architecture encountered.
1037	XTS error 149/224 occurred.
1046	Connection request rejected by host. If connecting to an Entire Net-Work node, ensure its related driver and links are configured to allow the connection.

Action Contact our support for assistance.

Response 150

Origin Open systems only

Explanation Too many database nuclei have been used in parallel. The Additions 2 field contains the maximum number of nuclei allowed in parallel.

Action Do not use more database IDs in a single program than the value given in the Additions 2 field.

Response 151

Origin Mainframe and open systems

Explanation A command queue overflow occurred.

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

Action The DBA may increase the value of the NC parameter or the command may be issued when there is a lower level of command activity.

If you are running Entire System Server and receive this response code, your database administrator should increase the size of the NCQE parameter. For more information, refer to the startup parameter documentation included in your Entire System Server administration documentation.

Response 152

Origin Mainframe and open systems

Explanation The internal user buffer was not large enough to contain the user buffer areas.

Action On mainframe systems, the DBA should increase the value of the LU parameter used by the Entire Net-Work nucleus.

If you are running Entire System Server and receive this response code, your database administrator should increase the size of the IUBL parameter. For more information, refer to the startup parameter documentation included in your Entire System Server administration documentation.

On open systems, contact our support.

Response 153

Origin Mainframe and open systems

Explanation A second Adabas call was issued while the first one was still being processed.

Subcode	Description
1050	A thread is pending.
1051	A user ID is pending.

Action Issue only one call at a time.

Response 154

Origin Mainframe and open systems

Explanation One of the following occurred:

- The Adabas call was canceled by the user (open systems).
- The command was rejected because it resulted in a trigger being fired, but the queue is full at this time. (mainframe)

Action On open systems, no action is required for this informational message. On mainframe systems, retry the command.

Response 155

Origin Mainframe systems only

Explanation A command resulted in a pre-command trigger being fired. The triggered procedure returned a nonzero command, so the command was not executed.

Action Check the Additions 4 field for the error returned from the procedure.

Response 156

Origin Mainframe systems only

Explanation A command resulted in a post-command trigger being fired. The triggered procedure returned a nonzero command, indicating an unsuccessful execution of the procedure.

Action Check the Additions 4 field for the error returned from the procedure.

Response 157

Origin Mainframe systems only

Explanation A command resulted in either a pre- or post-command trigger being fired; however, Adabas Triggers has been shut down with the option to reject all commands that result in a trigger being fired.

Action Determine the cause of the shut-down and resolve the problem. If rejection of commands is not the required action in such a situation, then set the error action field in the Adabas Triggers profile to halt or ignore.

Response 159

Origin Mainframe systems only

Explanation The Adabas link module is missing or invalid. One of the following occurred:

- No Adabas link module is linked to the Natural nucleus and the Adabas link module specified in the Natural profile parameter ADANAME could not be loaded.
- (CICS only) The loaded Adabas link module is macro-level in a command-level only environment.

Action Check the setting of the Natural profile parameter ADANAME and/or provide the correct version of the Adabas link module in one of the current STEPLIBs.

Response 160

Origin Mainframe systems only

Explanation Too many Associator and Data Storage blocks were marked as active in the buffer pool for a single command.

Response 161

Origin Mainframe systems only

Explanation The RABN chain in the header list of the Adabas buffer pool is invalid.

Response 162

Origin Mainframe and open systems

Explanation No additional space is available for the Adabas buffer pool.

Action Increase the value of the ADARUN LBP parameter.

On open systems, because the buffer pool overflow is normally caused by too many blocks in the buffer pool waiting to be written to disk, specifying a low value for the WRITE_LIMIT parameter is recommended.

Response 163

Origin Mainframe systems only

Explanation The RABN to be linked into the RABN header chain is already in the chain.

The following table shows some of the subcodes that may be returned:

Subcode	Description
1	The RABN to be linked into the RABN header chain is already in the chain.
2	A file extent overlap exists such that the same data storage RABN has been assigned to two different files.
3	A supposedly unused data storage RABN is already in use.
4	A file extent overlap exists such that the same Associator RABN has been assigned to two different files.
5	A supposedly unused Associator RABN is already in use.

Action Contact our support for assistance.

Response 164

Origin Mainframe systems only

Explanation Too many work areas were allocated for the command.

Response 165

Origin Mainframe and open systems

Explanation A descriptor name was either invalid or did not exist in the descriptor value table (DVT). For expanded files: the descriptor does not exist on all component files.

On open systems, this error may occur during ADAREC generate if one of the following occurs:

- A file was loaded with an incorrect FDT.
- ADAINV was not re-executed following a stop at a SYNP checkpoint.

In an ACB, the leftmost two bytes of Additions 2 may contain the descriptor name; in an ACBX, the Error Character Field (ACBXERRB) may contain the descriptor name. If this occurred for an expanded file, check to see if there is an FDT mismatch between the components of the file.

On open systems, bytes 3 and 4 of the Additions 2 field contains the name of the descriptor that caused the error.

Action On open systems, if the error is not a handling error, run the INDEX option of ADAVFY and contact our support.

Response 166

Origin Mainframe and open systems

Explanation An error was detected in an inverted list index; a descriptor value was not found during a delete operation. The cause may be damage in the Associator.

On open systems, bytes 3 and 4 of the Additions 2 field contains the name of the descriptor that caused the error.

Action On open systems perform the following steps:

1. Locate the descriptor that caused the error in the Additions 2 field of the user control block;
2. Run the VERIFY option of ADAINV for this descriptor and save the output;
3. Reinvert the descriptor;
4. If necessary, restart the database (if this is possible);
5. Send the following information to our support:
   - The output of the VERIFY option of ADAINV;
   - All available PLOGs;
   - The FDT of the file containing the error;
   - If the nucleus crashed, the crash directory.

Response 167

Origin Mainframe and open systems

Explanation The meaning of this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

The field in a coupled file does not exist or the coupled list is invalid.

Open Systems

An error was detected in an inverted list index; a descriptor value was already present during an insert operation.

Bytes 3 and 4 of the Additions 2 field contains the name of the descriptor that caused the error.

Action The method of resolving the error varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

Open Systems

Complete the following steps:

1. Locate the descriptor that caused the error in the Additions 2 field of the user control block;
2. Run the VERIFY option of ADAINV for this descriptor and save the output;
3. Reinvert the descriptor;
4. If necessary, restart the database (if this is possible);
5. Send the following information to your nearest support center:
   - The output of the VERIFY option of ADAINV;
   - All available PLOGs;
   - The FDT of the file containing the error;
   - If the nucleus crashed, the crash directory.

Response 168

Origin Mainframe systems only

Explanation An internal command ID required during coupling processing was not found.

Response 170

Origin Mainframe and open systems

Explanation The Adabas RABN required for the command could not be located for one of the following reasons:

- The buffer segment was called with a RABN of zero.
- The specified RABN does not belong to this database and is invalid.

On open systems, the Additions 2 field contains the invalid RABN in 4 byte binary format.

Action On open systems, run the LOST, INDEX and DATA options of ADAVFY for the file in question and contact our support.

Response 171

Origin Mainframe systems only

Explanation The constant set used by Adabas could not be located.

Response 172

Origin Mainframe and open systems

Explanation On mainframe systems, an ISN was less than the MINISN or greater than the MAXISN setting in effect for the file.

On open systems, the maximum possible ISN of the file was reached and no more can be allocated.

Action On open systems, if the file contains significantly less than 2^{32} records, you should unload the file with ADAULD and reload it with ADAMUP without USERISN. However, you must be aware that problems may arise if the ISNs have semantics for you - if, for example, you use the ISNs to reference records in this file, additional reorganization of these references will be necessary. The alternative to unloading and reloading the data is to split up your data into more than one file, and to adapt your application accordingly.

Response 173

Origin Mainframe and open systems

Explanation An invalid Data Storage RABN was detected.

On open systems, the Additions 2 field contains the invalid RABN in 4 byte binary format.

Action On open systems, run the DATA option of ADAVFY for the file in question and contact our support.

Response 174

Origin Mainframe systems only

Explanation For an L2/L5 command with start ISN, the Data Storage RABN stored in the address converter for the file is invalid.

Response 175

Origin Mainframe systems only

Explanation An inconsistency was detected between the index and Data Storage.

This response code can be expected when reading a descriptor value for a ciphered file if an incorrect cipher code was used.

Subcode	Meaning
99	On logical reads and simple searches without hold, the index value is compared with the value from the data record to ensure consistency. When the values do not match, the read or search is repeated in order to avoid the effects of a possible parallel update. If the values still do not match, response 175 is given.

Action Run the ADACHK utility against the file, and contact our support.

Response 176

Origin Mainframe and open systems

Explanation Either an inconsistency was detected in an inverted list or an internal error occurred during inverted list processing.

On open systems, the Additions 2 field contains the inconsistent RABN in 4-byte binary format.

On mainframe systems, the following possible subcodes are associated with this response code:

Subcode	Meaning
2	Bad index
3	Invalid search request
4	Invalid format indicator or field not found in FDT/SDT
11	Invalid search request
12	Bad index block
13	Bad UI block
14	Mismatch block length
15	Bad MI block
16	Mismatching block length
17	Bad NI block
18	Bad ISN count
21	Bad index block
22	Mismatching block length
23	Invalid ISN count
29	Inactive index block
31	Bad index block
32	Mismatching block length
33	Invalid ISN count
39	Inactive index block

Subcode	Meaning
41	Bad index block
42	Mismatching block length
43	Bad MI block
44	Bad NI block
81	Invalid level indicator
82	Bad element position in block
83	Position in block did not match element lengths
84	Bad MI block
85	Bad NI block
86	Bad NI block
87	Invalid ISN count
88	Position in block did not match element lengths
89	Index block not active
91	Wrong level
92	Mismatching block length

Action

On mainframe systems, run an appropriate ADACHK utility function to determine whether an inconsistency exists in an inverted list. If not, contact your local technical support representative. Make sure to report the subcode to our support.

On open systems, check if an autorestart or an ADAREC REGENERATE have disabled the index. If not, run the INDEX option of ADAVFY for the file in question. If the INDEX option signaled errors, you should recreate the entire inverted list with ADAINV REINVERT ALL or contact our support.

Response 177

Origin

Mainframe and open systems

Explanation

A record could not be found in the Data Storage block in which it should have been contained as indicated by the address converter. On mainframe systems, if this response code is returned to the ADAULD UNLOAD utility function with the parameter SORTSEQ, the file might be inconsistent, and data lost.

Subcode 19 is issued because the base file record was not found in Data Storage. At the end of a LOB update in the LOB file, the associated base file record was no longer present in the data storage block.

Action

On mainframe systems, check the file with the ADACHK ACCHECK utility function and contact our support.

On open systems, run the AC option of ADAVFY for the file in question and contact our support.

Response 178

Origin Mainframe systems only

Explanation An internal error occurred when updating a multiple-value field:

Subcode	Meaning
1	Inconsistency in descriptor value table (DVT).
2	An inconsistency was detected between the field definition table (FDT) and the internal format buffer.
3	Inconsistency when updating a phonetic descriptor.

Response 179

Origin Mainframe systems only

Explanation Internal error; identifier could not be found in Work part 3.

Response 181

Origin Mainframe systems only

Explanation Autobackout was executed and the start of a transaction could not be located.

Response 182

Origin Mainframe and open systems

Explanation Necessary ET data was not found in the appropriate Work block.

Action On open systems, save WORK1 and send it to your nearest technical support representative together with a description of what caused the pending autorestart and, if possible, the dump directory and the PLOG. Then restore and regenerate the database.

Response 183

Origin Mainframe systems only

Explanation An internally assigned number for a database I/O operation was detected as invalid.

Response 184

Origin Mainframe systems only

Explanation A phonetic field name could not be found.

Response 185

Origin Mainframe systems only

Explanation The ADAM field could not be found in the compressed record.

Response 186

Origin Mainframe systems only

Explanation A wrong cipher code has been specified or a compressed data record is bad (does not conform to the Field Description Table).

The leftmost two bytes of the ACB's Additions 2 field or the ACBX's Error Subcode (ACBXERRC) field contain the field or descriptor name where the error was detected. The rightmost two bytes of the same ACB or ACBX field contain an internal code identifying the routine that detected the error.

Action If the file that was accessed when this response code occurred is ciphered, check whether the correct cipher code has been specified. Correct the cipher code, if necessary.

If the error is not due to an incorrect cipher code, run the ADACMP DECOMPRESS INFILE utility function to unload and decompress all records of the file. ADACMP will write records where it detects errors to its error dataset (DDFEHL). Contact our support for assistance.

Response 187

Origin Mainframe systems only

Explanation The response indicates that an invalid Data Storage block was detected while locating a record by ISN. One of the following error conditions occurred:

- An invalid block length (negative) was encountered.
- An invalid record length (not positive) was encountered.
- The sum of the record lengths is not equal to the block length plus 4.

The Additions 2 field contains the Data Storage block number where the error was detected.

Action Contact our support for assistance.

Response 196

Origin Open systems only

Explanation Referential integrity has been violated. Bytes 3 and 4 of the Additions 2 field contain the name of the violated constraint. Bytes 1 and 2 of the Additions 2 field contain the reason as a two-byte binary number:

Subcode	Meaning
1	Required ISN in hold by another user
3	Maximum number of ISNs held by one user is reached
5	Check integrity mismatch, required value not found during check
7	Double update to a record within a cascade detected
8	Limit of stacked commands reached

Action Handle the referential integrity violation, for example, write an error message.

Response 197

Origin Mainframe systems only

Explanation The DEUQ pool is too small.

Action Increase the ADARUN LDEUQP parameter.

Response 198

Origin Mainframe systems only

Explanation An attempt was made to duplicate a descriptor value for a unique descriptor. In an ACB, the leftmost two bytes of the Additions 2 field may contain the descriptor name; in an ACBX, the Error Character Field (ACBXERRB) may contain the descriptor name. The following subcodes may accompany this response code:

Subcode	Meaning
1	Unique descriptor insert failed; value already exists in the index.
2	Unique descriptor insert failed; value in use by another user on this nucleus.
3	Unique descriptor insert failed; value in use by another user on another cluster nucleus.
4	Unique descriptor insert failed; the value we are attempting to insert in the NI block is already there.

Response 199

Origin Mainframe systems only

Explanation An inconsistency in the inverted list index was found during an update operation. In an ACB, the leftmost two bytes of Additions 2 may contain the descriptor name; in an ACBX, the Error Character Field (ACBXERRB) may contain the descriptor name. This response code can also occur if UTYPE=EXU was specified for an ADARES BACKOUT operation that uses the sequential (SIBA) log.

Response 200

Origin Mainframe and open systems

Explanation Either an invalid cipher code or an Adabas SAF Security or Adabas security violation was detected.

The command could not satisfy the necessary security checks. This response code may be accompanied by one of the following subcodes:

Subcode	Meaning
0	A standard user check failed.
1	There is no free user file cache entry for a remote non-mainframe user.
2	A cross-level security check failed.
3	No security information is available for the command.
4	A timeout occurred during a remote non-mainframe user logon.
5	An internal SAF Kernel error occurred.
6	A failure occurred during a newcopy/restart operation. The nucleus terminates.
7	A request to make an ABS security check was not of the correct format.
8	A security violation occurred while a file was being loaded into an existing expanded file chain.
11	User is not permitted to do a SEARCH command.
12	User is not permitted to do a SEARCH command.
13	User is not permitted to do a SEARCH command.
14	An invalid cipher code was encountered during update.
15	User is not permitted to read FDT (LF command).
16	Remote non-mainframe user has supplied a new password or passphrase but there is a mismatch with the old: ■ old password with new passphrase ■ old passphrase with new password Passwords and passphrases should not be mixed.
17	Remote non-mainframe user has supplied a password phrase but the detected version of SAFPSEC does not support password phrases. Either: ■ SAFPSEC is an old version that does not support password phrases or ■ SAFPSEC is capable of supporting passphrases but has been assembled with an incorrect REL= parameter (see the installation documentation for more details)

Subcode	Meaning
21	User´s SAF ID is unknown.
22	User´s SAF ID has changed.
24	Remote non-mainframe logon failure; user-id is not defined.
25	Remote non-mainframe logon failure; invalid password / password phrase.
26	Remote non-mainframe logon failure; invalid new password / new password phrase.
27	Remote non-mainframe logon failure; user-id revoked.
28	Remote non-mainframe logon failure; logon not allowed at this time/date.
30	A utility function-level authorization check failed. The user is not permitted to perform this utility function.
1060	Open systems ADASAF phase 1 failed.
1061	Open systems ADASAF phase 1 failed with response.
1062	Open systems ADASAF phase 2 failed.

For more information about Adabas SAF Security, read the Adabas SAF Security documentation.

Action Resolve the security error, perhaps by simply supplying the correct password.

Response 201

Origin Mainframe and open systems

Explanation The specified password was not found.

Action Supply the correct password.

Response 202

Origin Mainframe and open systems

Explanation An attempt was made to use a file for which the user is not authorized, or the file password is being changed, or, if Adabas Security is being used, the file has attached Security By Value on this field.

Action Either correct the authorization, or retry the operation with the new password, or, if Adabas Security is being used, remove the Security By Value on the field before the operation on the file can be retried.

Response 203

Origin	Mainframe systems only
Explanation	An attempt was made to delete a record in a file for which the user is not authorized.

Response 204

Origin	Mainframe and open systems
Explanation	On mainframe systems, a password pool overflow occurred. On open systems, the password supplied is already in use.
Action	On open systems, change the password to one that is not already existing. On mainframe systems, check and possibly increase the value specified for ADARUN LCP parameter in the Adabas nucleus.

Response 207

Origin	Mainframe and open systems
Explanation	This is an internal response code used in the Adabas SAF Security authentication process for remote non-mainframe clients. This code is normally not displayed or presented.
Action	If the problem persists, contact your technical support representative for assistance.

Response 208

Origin	Mainframe and open systems
Explanation	This is an internal response code used in the Adabas SAF Security authentication process for remote non-mainframe clients. This code is normally not displayed or presented.
Action	If the problem persists, contact your technical support representative for assistance.

Response 209

Origin	Mainframe systems only
Explanation	Adabas SAF Security detected an expired password on the server. The remote non-mainframe user's password/passphrase has expired. This code is normally not returned to the application. Instead the user is prompted to enter a new password.
Action	Create a valid password/passphrase.

Response 210

Origin Mainframe and open systems

Explanation On mainframe systems, a logical ID was greater than 255 (internal error).

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

On open systems, a receive buffer was lost in NETRDI.

Action On open systems, the DBA may increase the value of the NAB or NC parameters in the NETRDI in the target node.

Response 211

Origin Mainframe and open systems

Explanation On mainframe systems, an invalid ID table index in the UB (internal error) occurred.

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

On open systems, a remote utility cannot be executed because OPTIONS = LOCAL_UTILITIES is set for the database.

Action On open systems, contact the DBA of the remote database.

Response 212

Origin Mainframe and open systems

Explanation On mainframe systems, an invalid input/output buffer was encountered for an internal command.

On open systems, a requested function is not implemented in the target architecture.

Action On open systems, execute the utility on the target node.

Response 213

Origin Mainframe systems only

Explanation ID table not found (SVC not properly installed).

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

The following table describes the possible subcodes that might occur if an Adabas DBID/SVC routing table error occurs:

Subcode	Meaning
16	The specified SVC number does not correspond to a currently installed SVC on the system. Check to be sure that the specified SVC number is correct and, if it is, ensure that an Adabas SVC is installed using that SVC number.
20	The specified SVC number corresponds to an installed SVC on the system, but the SVC is not an Adabas SVC. Ensure that the provided SVC number is correct and, if it is, determine why the SVC installed for that number is not an Adabas SVC.

Action Inform the DBA. The Adabas installation procedure was not properly executed.

Response 214

Origin Mainframe systems only

Explanation Internal command issued from Adabas version 4 ADALNK.

Response 215

Origin Open systems only

Explanation The Adabas interface (adalnkx, adalnk, adalnknc) used by the application program, or the Entire Net-Work version used is not supported by the Adabas nucleus. For example, the Adabas nucleus Version 6.1 does not support the Adabas interface of Version 5.1. If a 32-bit version and a 64-bit version of Adabas exists for an operating system, the 64-bit nucleus does not support the Adabas interface of the 32-bit version - 32-bit applications must use the 32-bit mode Adabas interface of the 64-bit version.

Note: The compatible Entire Net-Work versions supported by an Adabas open systems version are documented in the Adabas open systems Release Notes.

Action If you are using an incompatible version of Entire Net-Work, upgrade it to a compatible version. Check the definition of the environment variable PATH (Windows) or LD_LIBRARY_PATH (Linux). If the application has been linked with the s-bit on Linux, it is necessary that the correct Adabas interface has been installed with `$SAG = /opt/softwareag`.

Response 216

Origin Mainframe and open systems

Explanation Command rejected by user exit.

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

Subcode	Meaning
1070	UEX_ACBX_0 command rejected.

Response 217

Origin Mainframe systems only

Explanation Command rejected by user exit.

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

Response 218

Origin Mainframe systems only

Explanation The following table describes the subcodes that appear with this response code, clarifying why the response was received.

Subcode	Meaning
00 or 01 or 02	The UB (TP monitor user block) pool is too small. There must be at least one user block for each concurrent user. This is controlled by the TP monitor link routines. The GETMAIN for the UB failed.
13 or 15 or 17	An error has occured during the freeing of the UB and Work areas for a TL call. This may indicate an internal product error or a TP monitor storage overlay. Contact technical support for assistance.
72	An IPC (Interprocess communication) message call parameter error occurred. This may indicate an internal product error or a TP-monitor storage overlay. Contact technical support for assistance.
73	The IPC message caller did not provide a pointer to the extended user ID block. This is probably an internal product error. Contact technical support.
74	An IPC message internal work area is corrupted. This may indicate an internal product error or a TP monitor storage overlay. Contact technical support for assistance.
75	An IPC message call parameter error occurred. This is probably an internal product problem. Contact technical support for assistance.
76	The extended user ID data provided to the IPC Message Call is either binary zeroes or blank. This is probably and internal product error. Contact technical support.
77	A getmain failed for the work area used in an IPC Message Call. Determine why the TP monitor is running short of storage. The storage will be acquired in the AMODE of the calling program, usually 31-bit for Natural transactions.

Subcode	Meaning
78	An invalid IPC work area has been provided by the caller for a TS call. This is probably and internal product error. Contact technical support.
79	An error occured during freemain done for a TS call. This may indicate an internal product error or a TP monitor storage overlay. Contact technical support for assistance.
100	Unable to communicate with the Adabas Directory Server. Check the LTCPSET parameters ADIHOST and ADIPORT.
101	An error occurred when closing a socket. Contact technical support for assistance.
102	A socket could not be allocated. Contact technical support for assistance.
103	The TCP/IP socket could not connect to the database. Check that the database is active.
104	Unable to establish a context on the database. Contact technical support for assistance.
110	Internal error processing a parameter list. Contact technical support for assistance.
111	An error occurred when sending data on a socket. Contact technical support for assistance.
113	Physical calls using a TCP/IP enabled link module (LGBLSET TCPIP=YES) to a target database which is registered in the Adabas Directory Server (identified by the ADIHOST and ADIPORT parameters of the LTCPSET macro) are not supported. Use a link module with LGBLSET TCPIP=NO.
114	Unable to process the command due to no Adabas parameter list.
115	Internal error formatting the TCP/IP send message. Contact technical support for assistance.
120	Unable to receive results due to no database context. Contact technical support for assistance.
121	An attempt has been made to receive results from a database which has not previously been contacted. Contact technical support for assistance.
122	Unable to receive results due to no client context on the database. Contact technical support for assistance.
123	An error occurred when receiving data on a socket. Contact technical support for assistance.
124	An error occurred updating the caller's buffers with the received results. Contact technical support for assistance.
125	An error occurred updating the caller's command buffer with the received results. Contact technical support for assistance.
130	The RCVTIME has been exceeded whilst waiting to receive data on a socket.

Action

In the case of subcode zero, 01 or 02 increase the UB pool by respecifying the NUBS parameter in the link routines. See the LGBLSET macro information in the Adabas Installation documentation.

In all other cases, either the program executing the IPC (Interprocess communication) message has provided invalid parameters, or there are internal product problems such as storage overlay conditions. Contact technical support for assistance.

Response 219

Origin

Mainframe systems only

Explanation

This response code should only occur when Adabas Transaction Manager is being used.

Subcode	Meaning
2	The global transaction is not in the status that allows the call.
3	Two transaction ID (XID) entries exist.
4	The "R" and "J" options are not supported; or this is not a global transaction. The transaction ID (XID) does not exist or cannot be found (or example, when the given XID does not belong to the UQE).
5	The record or value buffer definition may be invalid; for example, the length size may be invalid (less than or equal to 144 bytes); or the value buffer content may be invalid; for example, it may not contain a valid transaction ID (XID).
6	The user is not an update or ET user or is already involved in a global transaction or the user is already on PET (preliminary end-of-transaction) status.
7	A protocol error occurred: The user has been copied to Work 4 or the transaction was backed out.
8	A protocol error occurred: The transaction was terminated or the user has no transaction ID (XID) or the recover call for an active user is not permitted.
9	The system is currently locked due to a pending Work area 4 or DDWORKR4 overflow.
10	The call is not permitted; either ADAEND or an ET-sync point is in process for the nucleus. Force the ATM nucleus to backout (BT) the transaction.
11	The user has not made any updates. A preliminary ET command, therefore, is not permitted.
12	A logic error occurred.
20	The transaction ID (XID) is unknown. This error occurs only in a cluster environment.

Response 220

Origin Mainframe systems only

Explanation The request was rejected by Entire Net-Work due to a shortage of short term buffers.

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

Action Increase the region size.

Response 221

Origin Mainframe systems only

Explanation The LU size of the remote partner is smaller than the size required for the Adabas request.

Action Either increase the size specified for the LU= parameter on the remote system, or modify the application to reduce its buffer sizes.

Response 222 - 223 (reserved)

Response 224

Origin Mainframe and open systems

Explanation An Adabas command has been timed out by Entire Net-Work. The request waited for a reply for a longer time period than specified by the REPLYTIM parameter in either the Entire Net-Work NODE statement or the SET operator command. The reply may be delayed or lost due to a target malfunction, or because of a connecting link failure. If you are using Natural, and all connections are verified, check the ADAMODE setting. The ADAMODE=0 setting is the only option Entire Net-Work supports.

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

Subcode	Meaning
1	If the message was compressed using zEDC compression services and the attempt to decompress the message failed, subcode 1 is placed in the rightmost two bytes of the ACB Additions 2 field (ACBADD2) or the ACBX Subcomponent Response Code field (ACBXSUBR).
1076	An XTS timeout error occurred.

Action Check the node and remote database or contact your database administrator for assistance.

Response 225

Origin Mainframe and open systems

Explanation A command was issued from a server, such as an Adabas nucleus, to another server, such as Entire Net-Work. The command did not complete within a prescribed time period. The issuer proceeds and no longer expects a response to the command.

Note that the command may still execute in the target. There will be no notification to the issuer if it does. The target may display message ADAM92, User Gone, if the target attempts to notify the issuer of command completion.

The subcode identifies the environment from which the command was issued.

Subcode	Issuer
1	ADAMPM
2	Adabas nucleus, thread-synchronous command
3	Adabas nucleus, not thread-synchronous. Under z/OS, the command was TCB-synchronous.

Action Contact our support for assistance if the reason for the command's failure to complete cannot be identified.

Response 226 - 227 (reserved)

Response 228

Origin Mainframe systems only

Explanation This response is issued by an Adabas link routine. It indicates that an ASCII-formatted user request has been issued against an EBCDIC-formatted database that is not properly configured to handle the translation:

1	The SVC is not a valid Adabas SVC.
2	The database is not UES-enabled.

Action Ensure that your Adabas installation is for a supported version and that the database is UES-enabled. Refer to the UES information.

Response 229

Origin Mainframe systems only

Explanation The Entire Net-Work convertor detected an inconsistency or error in the application format buffer or search buffer and is unable to correctly translate the user's data.

Response 230

Origin Open systems only

Explanation The protocol defined by the X/Open XA specification is violated. This happens, for example, if a user tries to issue an ET call for an XA transaction.

Action Follow the XA specification.

Response 231-239

Explanation These response codes are assigned in some Adabas user exits, and have meanings as defined by the user. One example is the response code in the ADALOG log data field issued by user exit 4.

Action Refer to the description of user exits in the Adabas user, hyperdescriptor, and collation descriptor exits documentation for more information.

Response 240

Origin Mainframe systems only

Explanation Adabas Transaction Manager encountered an error. The error code can be found in the Adabas control block Additions 2 field, in the low-order (rightmost) two bytes. A response code may occur in the first two bytes of the Additions 2 field.

Action Check the meaning of the Adabas Transaction Manager error code. If the cause of the problem is not apparent, contact our support.

Response 241

Origin Mainframe and open systems

Explanation The explanation for this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

Adabas Transaction Manager (ATM) received an unexpected Adabas response code. The subcode and response code can be found, in that order, in the Adabas control block Additions 2 field. If a positive response code value appears in the Additions 2 field, the response code was detected by the ATM transaction manager. If a negative response code value appears in the Additions 2 field, take its complement: this is the response code received by the client proxy's attempt to communicate with the ATM transaction manager.

Open Systems

The system cannot load the specified user exit shared library or dynamic load library, or the specified function does not exist in this shared library or dynamic load library. If the function does not exist in the shared library or dynamic load library, bytes 1 and 2 of the Additions 2 field contain the system's error number in binary format, otherwise these two bytes contain 0. Bytes 3 and 4 of the Additions 2 field contains the number of the ADALNK user exit which failed in binary format.

Subcode	Meaning
1080	UEX_ACBX_0 load failed.
1081	UEX_ACBX_1 load failed.

Action

Mainframe Systems

Check the meaning of the Adabas response code and subcode. If the cause of the problem is not apparent, contact our support.

Open Systems

Make sure that you use the correct environment variable for the user exit.

Response 242

Origin

Mainframe and open systems

Explanation

The explanation for this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

The Adabas Transaction Manager (ATM) or ATM client proxy was unable to determine the status of the caller's transaction. There might be an ATM error code in the Adabas control block Additions 2 field, in the low-order (rightmost) two bytes.

Open Systems

A double allocation has been detected between two or more files or a file and the free space table.

Action

Mainframe Systems

Check the meaning of the Adabas Transaction Manager error code, if one is present. Otherwise, determine the status of the global transaction using Online Services. If the required action is not apparent, contact our support.

Open Systems

Run ADAVFY without any options to find out which parts of which files are affected. Contact your nearest support center with the output from ADAVFY.

Response 243

Origin

Mainframe and open systems

Explanation

The explanation for this response code varies, depending on whether you are using Adabas on mainframe systems or Adabas on open systems.

Mainframe Systems

The Adabas Transaction Manager (ATM) or client proxy received an unsolicited syncpoint request. The action taken or the status of the global transaction that was open is indicated by a subcode in the Adabas control block Additions 2 field, in the low-order (rightmost) two bytes.

Subcode	Explanation and Recommended Action
1	The unsolicited syncpoint request was accepted. The status of the current global transaction is not known. Use Online Services to determine the status of the global transaction.
2	The unsolicited syncpoint request was accepted. The client session's global transaction has been committed.
3	The unsolicited syncpoint request was accepted. The client session's global transaction has been backed out.
4	The unsolicited syncpoint request was accepted. The client session's global transaction had mixed completion (partially backed out, partially committed).
5	The unsolicited syncpoint request was accepted. The client session's global transaction is in backout.
6	The unsolicited syncpoint request was accepted. The client session's global transaction is in commit.
7	The unsolicited syncpoint request was accepted. The client session had no global transaction open.
12	The unsolicited syncpoint was attempted, but ATM returned response code 148 (ADARSP148) so the outcome is not known.
16	The unsolicited syncpoint request was rejected.

Open Systems

An invalid FCB extent has been detected for a file.

Action

Mainframe Systems

Review the Adabas Transaction Manager's `TMSYNCMGR` parameter and the `TransactionControl`, `Client-sideTransactionManager`, and `HostSystemTransactionManager` client runtime controls for the failing job.

Open Systems

Contact your nearest support center.

Response 245

Origin Mainframe and open systems

Explanation On mainframe systems, this response code is issued for communication problems between add-on products that use the system coordinator (COR) interface to Adabas; that is, Adabas Fastpath, Adabas Vista, Adabas SAF Security, and Adabas Transaction Manager.

Subcode	Meaning
1	Internal error.
2	A required module could not be loaded. This is probably an installation error.

On open systems, pending utility entries exist in the UCB.

Action On mainframe systems, for subcode 1, contact our support. For subcode 2, consult the installation instructions for the add-on product.

On open systems, delete the entries with RESET = UCB before executing RECOVER, but ensure that the utilities which own the UCB entries are no longer running.

Response 246

Origin Open systems only

Explanation Utility communication block (UCB) overflow.

Action Execute the RESET function of ADADBM to remove unused entries from the utility communication block if the utilities that own them are no longer running.

Response 247

Origin Open systems only

Explanation Correct ID not found in the utility communication block.

Action The utility cannot be restarted. Delete the utility communication block entry and rerun the utility.

Response 248

Origin Mainframe and open systems

Explanation This response code is returned by Data Archiving for Adabas processing. Subcodes are returned in big-endian byte order in the Additions-2 field of the Adabas control block and conform to the format 0xhhhhChhh where C is the subcode category. The subcodes below are listed in Category order.

Category 0 subcodes:

Subcode	Meaning
1 (0x00000001)	No architecture/version information returned by Adabas in the response to the `OP` command. *Action:* Contact our support.
2 (0x00000002)	Cannot recall archived data because the architecture of the target database is not compatible with the architecture to the original database. *Action:* Choose a different mixture.
3 (0x00000003)	Either the Extractor/Accumulator versions are not compatible or the Adabas version of the database being archived from or recalled to is not supported. *Action:* Contact our support.
4 (0x00000004)	The FDT of the file into which data is being recalled or archived is not compatible with the FDT of the original file. *Action:* Check that FDTs of the files are compatible.
5 (0x00000005)	Cannot coerce a value specified for the extraction criteria to the specified type. *Action:* Check that the values and types defined for the extraction criteria are correct.
6 (0x00000006)	Date specified for the extraction criteria is prior to the earliest supported data. *Action:* Contact our support.
7 (0x00000007)	Unsupported date/time pattern in extraction critiera. *Action:* Set a correct pattern in the extraction criteria. Contact our support.
8 (0x00000008)	Database from which data is being archived or recalled into is not on the local machine. *Action:*Check the action is correctly configured. The source database must be local to the Extractor and target database local to the Accumulator.
9 (0x00000009)	Cannot load the Adabas System Coordinator library. *Action:* Check that Adabas System Coordinator is installed correctly.
10 (0x0000000A)	An incompatible version of Adabas System Coordinator is installed. *Action:* Contact our support.

Subcode	Meaning
11 (0x0000000B)	An incompatible version of Adabas System Coordinator is installed. *Action:* Contact our support.
12 (0x0000000C)	Cannot parse FDT. *Action:* Contact our support.
13 (0x0000000D)	Cannot generate FDU from FDT. *Action:* Contact our support.
14 (0x0000000E)	Cannot create format buffer for the whole FDT. *Action:* Contact our support.
15 (0x0000000F)	PE or MU field(s) not defined correctly. *Action:* Check that the PE/MU fields in the Extractor/Accumulator filtering and Archive search fields are defined correctly.
16 (0x00000010)	Field does not exist in the FDT. *Action:* Check that the fields in the Extractor/Accumulator filtering and Archive search fields are defined correctly.
17 (0x00000011)	Recall of a filtered archive using the 'Replace duplicate unique descriptors' option failed because the format/record buffer could not be parsed. *Action:* Contact our support.
18 (0x00000012)	Recall of a filtered archive using the 'Replace duplicate unique descriptors' option failed because the conflicting descriptor does not appear in the format/record buffer. *Action:* Choose different recall options for handling duplicate unique descriptors or ensure that all UQ fields are included in a filtered archive.
19 (0x00000013)	Internal record buffer overflow. *Action:* Contact our support.
20 (0x00000014)	Internal format buffer overflow. *Action:* Contact our support.
21 (0x00000015)	Internal search buffer overflow. *Action:* Contact our support.
22 (0x00000016)	Internal value buffer overflow. *Action:* Contact our support.

Subcode	Meaning
23 (0x00000017)	No extraction criteria were specified and there are no DE fields in the FDT. *Action:* Contact our support.
24 (0x00000018)	No Computer record for the current Adabas System Coordinator Group Leader. *Action:* Check that the correct Repository is being used and that the Adabas System Coordinator Computer is still defined.
25 (0x00000019)	No archive service definition for the Extractor/Accumulator computer. *Action:* Check that the correct Repository is being used and that the Data Archiving Service is still defined for Adabas System Coordinator Daemon.
26 (0x0000001A)	No Computer or Daemon record for the Extractor/Accumulator computer. *Action:* Check that the correct Repository is being used and that the Adabas System Coordinator Computer and Daemon is still defined.
27 (0x0000001B)	No Action record found for the current archive/recall/search operation. *Action:* Check that the correct Repository is being used and that the Action record is still defined.
28 (0x0000001C)	No Vault Validation record found. *Action:* Check that the validation is correctly configured for this vault.
29 (0x0000001D)	No Vault PATH information for this computer. *Action:* Check that a Vault Path is defined for the Extractor, Accumulator and ADR Service computers.
30 (0x0000001E)	Attempt to recall an archive using Extractor/Accumulator computers that not sharing the same Repository. *Action:* Extractor/Accumulator computers for a recall must share the same Repository.
31 (0x0000001F)	No Plan record found for the current archive/recall/search operation. *Action:* Check that the correct Repository is being used and that the Plan record is still defined.
32 (0x00000020)	Archive failed due to invalid/unsupported Extractor settings. *Action:* Contact our support.

Subcode	Meaning
33 (0x00000021)	Archive failed due to invalid/unsupported Transfer settings. *Action:* Contact our support.
34 (0x00000022)	Archive failed due to invalid/unsupported Accumulator settings. *Action:* Contact our support.
35 (0x00000023)	Recall failed due to invalid or unsupported Extractor settings. *Action:* Contact our support.
36 (0x00000024)	Recall failed due to invalid or unsupported Transfer settings. *Action:* Contact our support.
37 (0x00000025)	Recall failed due to invalid or unsupported Accumulator settings. *Action:* Contact our support.
38 (0x00000026)	Extractor terminated because the Accumulator is not active. *Action:* Check the response and subcode for the Accumulator in Current or Completed Activities.
39 (0x00000027)	Accumulator timed-out waiting for the Extractor. *Action:* Check the response and subcode for the Extractor in Current or Completed Activities.
40 (0x00000028)	Message protocol error/incompatibility. *Action:* Contact our support.
41 (0x00000029)	Message protocol error/incompatibility. *Action:* Contact our support.
42 (0x0000002A)	Message protocol error/incompatibility. *Action:* Contact our support.
43 (0x0000002B)	Message protocol error/incompatibility. *Action:* Contact our support.
44 (0x0000002C)	Message protocol error/incompatibility. *Action:* Contact our support.
45 (0x0000002D)	Timeout waiting for lock on archive in Vault. *Action:* Retry the operation and/or check for competing operations.
46 (0x0000002E)	Version mismatch between Data Archiving for Adabas runtime and Vault contents. *Action:* Contact our support.
47 (0x0000002F)	Invalid/corrupt archive in Vault.

Subcode	Meaning
	Action: Contact our support.
48 (0x00000030)	Archive in Vault contains data not supported by this version of the Data Archiving for Adabas runtime. *Action:* Contact our support.
49 (0x00000031)	Archive size would exceed limit. *Action:* Contact our support.
50 (0x00000032)	Invalid/unsupported Vault operation. *Action:* Contact our support.
51 (0x00000033)	Archive does not exist in Vault. *Action:* Contact our support.
52 (0x00000034)	Vault path does not exist. *Action:* Check that the Vault Path defined for the Extractor, Accumulator and ADR Service computers is correct.
53 (0x00000035)	Access denied to Vault Path. *Action:* Check that the Extractor, Accumulator and ADR Service computers have the correct filesystem permissions for the Vault Path.
54 (0x00000036)	Logical error manipulating Vault contents. *Action:* Contact our support.
55 (0x00000037)	Extractor/Accumulator failed to load. *Action:* Check the response and subcode for the Extractor/Accumulator in Pending, Current and Completed Activities.
56 (0x00000038)	Extractor/Accumulator failed to load. *Action:* Contact our support.
57 (0x00000039)	Length of compressed record exceeds limit. *Action:* Contact our support.
58 (0x0000003A)	Length of decompressed record exceeds limit. *Action:* Contact our support.
59 (0x0000003B)	Cannot determine the default code page for the system. *Action:* Contact our support.
60 (0x0000003C)	Invalid/unsupported code page specified for archive or recall.

Subcode	Meaning
	Action: Check that the code page specified for in the Extractor/Accumulator settings in the Action or recall request.
61 (0x0000003D)	'Use default' code page specified for archive or recall and there is no default UES `AMODE=` setting for the database. *Action:* Specify the code page explicitly or configure the default `AMODE=` setting for the database.
62 (0x0000003E)	No Search record found. *Action:* Check that the correct Repository is being used and that the Search Record is still defined for the Action.
63 (0x0000003F)	Cannot search archive because the data was not archived in compressed format. *Action:* Contact our support.
64 (0x00000040)	Invalid search (search buffer). *Action:* Contact our support.
65 (0x00000041)	Invalid search (value buffer). *Action:* Contact our support.
66 (0x00000042)	Value buffer for search could not be converted from the UI code page to the code page of the archived data. *Action:* Contact our support.
67 (0x00000043)	'Use default' code page specified for archive or recall and there is no default UES WMODE=setting for the database. *Action:* Specify the code page explicitly or configure the default WMODE= setting for the database.
68 (0x00000044)	Task already locked. *Action:* Contact our support.
69 (0x00000045)	License file is missing. *Action:* Contact our support.
70 (0x00000046)	License key is invalid. *Action:* Contact our support.
71 (0x00000047)	License has expired. *Action:* Contact our support.
72 (0x00000048)	License is for a different operating system. *Action:* Contact our support.
73 (0x00000049)	License is for a different product.

Subcode	Meaning
	Action: Contact our support.
74 (0x0000004A)	License is for a different version. *Action:* Contact our support.
75 (0x0000004B)	Functionality restricted, Community edition. *Action:* License file required for full functionality.
76 (0x0000004C)	No license file found. *Action:* Contact our support.
77 (0x0000004D)	Duplicate archive identifier detected in the Vault. *Action:* Contact our support.
78 (0x0000004E)	Filename conflict detected in the Vault. *Action:* Contact our support.
79 (0x0000004F)	Some or all of the data for an archive is missing from the Vault. *Action:* Contact our support.
80 (0x00000050)	Vault or archive damaged. *Action:* Contact our support.
81 (0x00000051)	ADR plug-in library could not be loaded. *Action:* Contact our support.
82 (0x00000052)	Incompatible ADR plug-in library. *Action:* Contact our support.
83 (0x00000053)	Occurrence 'N' cannot be specified for a PE/MU LOB field in an Extractor Filter (Open Systems only). *Action:* Correct the format buffer in the Extractor Filter Settings.
84 (0x00000054)	An Extractor Filter must contain at least one non-LOB field. *Action:* Correct the format buffer in the Extractor Filter Settings.
85 (0x00000055)	The data being archived or recalled contains LOB fields but no LOB file number has been specified. *Action:* Specify a LOB file number, for recalls set in the recall settings and for archive set in the Accumulator settings in the Action.
86 (0x00000056)	License file does not provide the Price Units required by the system. *Action:* Contact our support.

Subcode	Meaning
87 (0x00000057)	License file does not provide the Price Quantity required by the system. *Action:* Contact our support.
88 (0x00000058)	License file does not provide Extended Rights. *Action:* Contact our support.
89 (0x00000059)	The file size of the archive file checked by the validation process is incorrect. *Action:* Restore the archive file from a backup and rerun the validation to check the integrity of the data.
90 (0x0000005A)	The number of records in the archive file checked by the validation process in incorrect. *Action:* Restore the archive file from a backup and rerun the validation to check the integrity of the data.
91 (0x0000005B)	The check sum for the archive file checked by the validation process is incorrect. *Action:* Restore the archive file from a backup and rerun the validation to check the integrity of the data.
92 (0x0000005C)	The lengths of the records in the archive file checked by the validation process are incorrect. *Action:* Restore the archive file from a backup and rerun the validation to check the integrity of the data.
93 (0x0000005D)	License file does not provide Archive to Vault required by the system. *Action:* Contact our support.
94 (0x0000005E)	License file does not provide Transfer to Adabas required by the system. *Action:* Contact our support.
95 (0x0000005F)	License file does not provide Delete from Adabas required by the system. *Action:* Contact our support.
96 (0x00000060)	Inconsistency in join data for archive. *Action:* Contact our support.
97 (0x00000061)	Inconsistent object/archive identifiers for archive. *Action:* Contact our support.
98 (0x00000062)	File list for action does not match the archive data.

Subcode	Meaning
	Action: Contact our support.
99 (0x00000063)	Archive identifier does not match API data. *Action:* Contact our support.
100 (0x00000064)	Group, plan or name of action does not match API data. *Action:* Contact our support.
101 (0x00000065)	File list for action does not match API data. *Action:* Contact our support.
102 (0x00000066)	Duplicate activity encountered. *Action:* Delete activity from Activities List and rerun.
103 (0x00000067)	Related file record is missing. *Action:* Contact our support.
104 (0x00000068)	Recall target record is missing. *Action:* Contact our support.
105 (x00000069)	Recall target information is not valid. *Action:* Contact our support.
106 (x0000006A)	Maximum number of related files exceeded. *Action:* Contact our support.
107 (x0000006B)	Maximum number of transfer destinations exceeded. *Action:* Contact our support.
108 (x0000006C)	Transfer destination not defined. *Action:* Contact our support.
109 (x0000006D)	Maximum number of related files or transfer destinations exceeded. *Action:* Contact our support.
110 (x0000006E)	Invalid related file. *Action:* Contact our support.
111 (x0000006F)	Invalid transger destination. *Action:* Contact our support.
112 (0x00000070)	Archive, recall or search failed. *Action:* Check the response and subcode for the Extractor/Accumulator in Completed Activities.
113 (0x00000071)	Archive, recall or search incomplete.

Subcode	Meaning
	Action: Records have been skipped due to contention or errors.
114 (0x00000072)	Invalid settings specified for file in action. *Action:* Contact our support.
115 (0x00000073)	Recall configuration records inconsistent. *Action:* Contact our support.
116 (0x00000074)	Recall configuration records inconsistent. *Action:* Contact our support.
117 (0x00000075)	API library is not installed. *Action:* Contact our support.
118 (0x00000076)	API library could not be loaded. *Action:* Contact our support.
119 (0x00000077)	Entry-point symbol missing from API library. *Action:* Contact our support.
120 (0x00000078)	Wrong version of API library. *Action:* Contact our support.
121 (0x00000079)	Fault detected in API library. *Action:* Contact our support.
122 (0x0000007A)	API library is missing. *Action:* Contact our support.
123 (0x0000007B)	No data returned by API. *Action:* Contact our support.
124 (0x0000007C)	Incorrect API parameters specified by user. *Action:* Contact our support.
125 (0x0000007D)	Memory allocation failed in API. *Action:* Contact our support.
126 (0x0000007E)	Internal API error. *Action:* Contact our support.
128 (0x00000080)	Incorrect parameter passed to API. *Action:* Contact our support.
129 (0x00000081)	API notification failed (state inconsistent). *Action:* Contact our support.

Subcode	Meaning
130 (0x00000082)	API library name is too long. *Action:* Reduce the length of the API library name.
131 (0xhhhh0083)	Error occurred while processing the Extraction Syntax. An extended error code (identified by hhhh) may also be reported for subcode 131. *Action:* Check the Extraction Syntax and if the error persists contact our support providing the full subcode value and the Extraction Syntax being used.
132 (0x00000084)	No dynamic extraction object code exists *Action:* Ensure that you have successfully saved and compiled your dynamic extraction syntax.
133 (0x00000085)	Duplicate Related file record with differing scopes. *Action:* Contact our support.
134 (0x00000086)	API To-Do list locked, it is already in use by another process. *Action:* Ensure that only one application/process accesses a To-Do list at any one time.
135 (0x00000087)	Extractor data targets do not match those in the Repository. *Action:* Contact our support.
136 (0x00000088)	Extractor/Accumulator was terminated unexpectedly or cancelled by the user. *Action:*Check the response and subcode for the Extractor/Accumulator in Pending, Current and Completed Activities.
137 (0x00000089)	Accumulator terminated because the Extractor is not active. *Action:*Check the response and subcode for the Extractor in Current Activities or Recently Completed.
138 (0x0000008A)	An archive activity could not be resumed/restarted because the FDT of one of the Source Files has been changed since the activity was paused/failed. *Action:* Contact our support.
139 (0x0000008B)	An archive activity could not be resumed/restarted because the Codepage setting for a Source File or the AMODE/WMODE settings for the associated database have been changed since the activity was paused/failed. *Action:* Contact our support.

Subcode	Meaning
140 (0x0000008C)	An archive activity could not be resumed/restarted because the computer defined for the Extractor or Accumulator has been changed since the activity was paused/failed. *Action:* Contact our support.
141 (0x0000008D)	An archive activity could not be resumed/restarted because the Source or Target File definitions for the Action have been changed since the activity was paused/failed. *Action:* Contact our support.
142 (0x0000008E)	The Extractor was unable to read the FCB of one of the Source Files. *Action:* Contact our support.
143 (0x0000008F)	The FCB of the Source Files is in a format not recognised by the Extractor. *Action:* Contact our support.
144 (0x00000090)	An archive activity could not be resumed/restarted because one of the Source Files has been reloaded since the activity was paused/failed. *Action:* Contact our support.
145 (0x00000091)	An archive activity could not be restarted because the archive could not be validated, the repair was unsuccessful. *Action:* Review the meaning of any log messages written at the time of the failure and, if necessary, contact our support.
146 (0x00000092)	An archive activity could not be validated/restarted because one of the archive file segments is missing. *Action:* Contact our support.
147 (0x00000093)	Invalid archive identifier. *Action:* Contact our support.
148 (0x00000094)	Length mismatch detected whilst updating archive file record. *Action:* Contact our support.
149 (0x00000095)	No Vault record found. *Action:* Check that the Vault defined for the Plan or Action exists.
150 (0x00000096)	The ADR Service does not support the granularity setting configured for the Vault. *Action:* Contact our support.
151 (0x00000097)	Vault path does not exist.

Subcode	Meaning
	Action: Check that the Vault Path defined for the Extractor, Accumulator and ADR Service computers are correct.
152 (0x00000098)	An archive activity could not be validated/restarted because too many archive file segments exist. *Action:* Contact our support.
153 (0x00000099)	Timed-out whilst caching Vault content on local Computer. *Action:* Contact our support.
154 (0x0000009A)	Vault path does not exist. *Action:* Check that the Vault Path defined for the Extractor, Accumulator and ADR Service computers are correct.

Category 7 subcodes:

Subcode	Meaning
0xhhhh7004	An error has occurred whilst accessing a Vault where hhhh is the operating system error code. Refer to your operating system documentation for an explanation of hhhh (z/OS customers should refer to z/OS Linux System Services Messages and Codes). If the cause of the error is not apparent, contact our support.
0xhhhh700B	An error has occurred whilst writing to a Vault where hhhh is the operating system error code. Refer to your operating system documentation for an explanation of hhhh (z/OS customers should refer to z/OS Linux System Services Messages and Codes). If the cause of the error is not apparent, contact our support.

Category A subcodes:

Subcode	Meaning
0xhhhhA001	A TCP/IP error has occurred where hhhh is the operating system error code. Refer to your operating system documentation for an explanation of hhhh (z/OS customers should refer to z/OS Linux System Services Messages and Codes). If the cause of the error is not apparent, contact our support.
0xhhhhA002	A DNS error has occurred where hhhh is the operating system error code.

Subcode	Meaning
	Refer to your operating system documentation for an explanation of hhhh (z/OS customers should refer to z/OS Linux System Services Messages and Codes). If the cause of the error is not apparent, contact our support.

Response 249

Origin Mainframe and open systems

Explanation **Mainframe Systems**

Adabas Vista uses a default Adabas response code 249 for all processing errors. This response code can be changed by using the Job Parameter function of Adabas Vista Online Services.

The following table describes each of the subcodes possible for response code 249. Adabas Vista issues these subcodes as well to provide additional information.

Subcode	Meaning
1	The partitioned file concurrency limit has been reached. *Action:* Increase the partitioned file concurrency limit using the File Partitioning function of Adabas Vista Online Services.
6	The job parameter `Enable Multiple Updates` is set to NO. After updating one database, the user attempted to update a second database in the same transaction. *Action:* Review the job parameter `Enable Multiple Updates` in the Job Parameter function of Adabas Vista Online Services.
8	This partitioned file has been defined with an unsupported Partitioning Field. The Partitioning Field may not be: ■ A multiple value field ■ An item in a periodic group ■ A field with format F, G, or W ■ A variable length field ■ A field with the long alphanumeric (LA) attribute ■ A SUPDE or SUPFN of format Alphanumeric with at least one parent of format W *Action:* Review the partitioning criteria.
9	One of the following errors was detected while processing a partitioned file:

Subcode	Meaning
	■ A distributed access cannot be successfully processed due to the client encoding being incompatible with Vista's record collating process. ■ A command cannot be successfully processed due to the client encoding being incompatible with the defined partition criteria. *Action:* Review the use of client encodings.
10	One of the following errors was detected in the Adabas search buffer while processing a partitioned file: ■ the specified field is not in the Adabas FDT. ■ an S or N operator is used incorrectly. ■ a superdescriptor with a variable-length parent field is not allowed. ■ coupled file syntax is not allowed. ■ the value1 operator (EQ, GE, GT, etc.) is unknown. ■ a connecting operator (D, O, R, etc.) is unknown. ■ a command ID enclosed in parentheses is not allowed ■ a memory request failed. ■ collation descriptors are not supported. *Action:* Review and correct the application program.
12	Runtime controls have been changed dynamically without the client previously resetting all Adabas context to null. In this situation Vista is forced to discard all Adabas context and alert the application with this response. *Action:* Avoid this response by ensuring the client has no Adabas context prior to the runtime controls being changed.
14	One of the following errors was detected in the Adabas format or record buffer while processing a update/store for a partitioned file: ■ The partitioning field specified in the format buffer could not be located in the Adabas FDT (`N1` and `N2`). ■ An Adabas field specified in the format buffer could not be located in the Adabas FDT (`N1`, `N2` and `A1`). ■ The partitioning field value specified in the record buffer is inconsistent with the defined partitioning criteria for the file (`N1` and `N2`). ■ The partitioning field value specified in the record buffer is inconsistent with the partition criteria defined to the partition identified by the ISN in the Adabas control block (`N2` only). ■ The partitioning field value specified in the record buffer is null and the `Store Control Option` is set to 2 (`N1` only).

Subcode	Meaning
	■ The partitioning field/value has not been specified and no target partition has been identified (N1 and N2). *Action:* Review application program and partitioning criteria.
15	The partitioning field value specified in the record buffer of the A1 command is inconsistent with the partition criteria defined to the partition identified by the ISN in the Adabas control block. Such an update requires the relocation of the ISN to another partition, which is not allowed. *Action:* Review the application program. Use a delete and store as an alternative.
16	An ISN has been detected that is invalid for one of the following reasons: ■ The partition identifier extracted from the Adabas Vista ISN is not consistent with any partition defined to the partitioned file. ■ The Adabas ISN read from a partition is greater than the TOPISN value defined for the partition. ■ An attempt to store a record has resulted in an Adabas ISN greater than the TOPISN value defined for the partition. ■ (Extreme partitioned files only) The number of partitions is greater than the limit of 255. ■ (Extreme partitioned files only) The application-supplied ISN is no longer associated with this partitioned file. *Action:* For Standard partitioned files, review the application program, the partition definitions, and check TOPISN setting. For Extreme partitioned files, review the application's use of the supplied ISN.
21	One of the following errors occurred while processing Distributed Lock Mode (DLM) against a partitioned file: ■ Prefetch/multifetch options on a distributed access L6command are not allowed for DLM options 2 and 3. ■ DLM option 4 is specified and a distributed accessS4 or L6 command was issued. ■ DLM option 3 is specified and the distributed access data integrity check failed. *Action:* Review the application and use of the DLM option.
22	The client runtime control for CL convergence is set to reject when your Vista rules used during runtime result in activity for multiple source databases converging into a single target database. With this setting the CL command cannot be processed by Vista because it would result in the loss of cursor/transaction activity in the target database for source database(s)

Subcode	Meaning
	beyond the one indicated in this CL command which would result in unpredictable results and errors if those other source databases are used further. *Action:* Review the application program and the convergent translation/partitioning rules or alter the CL convergence runtime control setting.
25	One of the following unsupported commands has been issued: ■ an S5 command (partitioned files only) ■ a C5 command ■ a BT command with Command Option 2 set to F (any transaction will have been backed out) ■ an L1 command with Command Option 1 or 2 set to F *Action:* Review application program.
28	An update command has been issued to a partitioned file; however, the target partition does not have the option ACCESS=FULL. *Action:* Review application program and partition ACCESS options.
31	An existing Command ID has been reused after the client's translation context has been modified but this now references a different file, which is an illegal situation and is therefore rejected. *Action:* Review programming practices for changing client contexts.
32	Partitioned files can not be subjected to a change in client context *Action:* Review programming practices for changing client contexts.
36	A session-related memory allocation failed during an inter-system dynamic transaction routing operation, the client session is unable to continue. This sub-code may not indicate an error on this current Adabas command, but it indicates that an internal error has prevented the Vista session continuing successfully. *Action:* Increase the shared memory available.
37	A file-related memory allocation failed during an inter-system dynamic transaction routing operation, the client session is unable to continue using the file. This sub-code may not indicate an error on this current Adabas command, but it indicates that an internal error has prevented the Vista session continuing successfully with one of the files currently being used so Vista is alerting you immediately. *Action:* Increase the shared memory available.
39	An L1 (get next) command was issued but the supplied command ID is not currently active.

Subcode	Meaning
	Action: Review application program.
45	An error has occurred during the processing of a distributed `L3/L9` command against a partitioned file. *Action:* Contact our support and use the COR Debug Event Monitor controls specifying Response 249 and this subcode to provide diagnostic information.
50	An `A1` command was issued without the H option and the DLM option is set to 1. However, the ISN to be updated has not been previously read by a hold command. *Action:* Review application program and use of DLM option.
51	The number of segmented buffers used by this ACBX call against a Partitioned File is greater than the maximum allowed. *Action:* Reduce the number of segmented buffers.
52	The file parameter `Enable ISN Positioning` is set to NO and one of the following commands was issued: ■ `L1` with Command Option 2 set to I ■ `L2/5` with starting ISN ■ `L3/6` with starting ISN ■ `Sx` with the ISN Lower Limit field specified *Action:* Review application program and the file parameter `Enable ISN Positioning`.
60	A memory request failed. *Action:* Review the memory availability of the ■ host TP system; ■ host operating system
65	One of the following invalid values was used for a command ID value: ■ X'00000000' ■ X'40404040' *Action:* Do not use the above command ID values.
70	Support for the use of this API has been withdrawn. *Action:* Please refer to the currently supported APIs or, alternatively, contact our support to discuss your requirements.
72	An ET Data related command has been issued, but the runtime control (see *Database Number for ET Data*, in the *Adabas Vista Parameters* manual) is not

Subcode	Meaning
	set to a specific database number and Vista has been unable to establish a target database to satisfy the command. *Action:* Review the runtime control *Database Number for ET Data*, in the *Adabas Vista Parameters* manual, to specifically identify the database number to be used.
74	A sequence direction change has been detected during an `L3` or `L9` command against a Partitioned File whose Command ID sequence has been previously subjected to multifetch. *Action:* Review the program logic.
81	An error has occurred during the processing of an `L1` 'get next' command against a partitioned file. *Action:* Contact our support and use the COR Debug Event Monitor controls specifying Response 249 and this subcode to provide diagnostic information.
86	The Adabas Vista database process is not installed. It must be installed on all Adabas databases which contain Adabas Vista partitions. This subcode indicates that a database is not running with `ADARUN VISTA=YES`. *Action:* Refer to the Adabas Vista installation procedures.
96	An error has occurred during the parsing of the Format Buffer during the processing of an `Ax` or `Nx` command against a partitioned file. *Action:* Contact our support and use the COR Debug Event Monitor controls specifying Response 249 and this subcode to provide diagnostic information.
106	The configuration for the first-level null definition policy for this target category (mode) is set to reject "null" as the outcome of translation processing. *Action:* Review the null definition policy for the target category (mode) used if you do not wish to receive this error.
107	Translation processing has been configured to disallow redirection to a different target category (mode). *Action:* Remove the redirection rule(s) or review the category adjustment policy for the target category (mode) in use.
108	The configuration for the first-level null definition policy redirects to another target category (mode) which in turn has resulted in a "null" outcome. The second-level null definition policy is set to reject such an outcome. *Action:* Review the translation rules in use to avoid a null result or alter the null definition policies.
109	Translation processing has detected a recursive redirection. *Action:* Review the translation rules in use.

Subcode	Meaning
112	An error has occurred during the processing of the current command. *Action:* Contact our support and use the COR Debug Event Monitor controls specifying Response 249 and this subcode to provide diagnostic information.
116	A command has been issued against a partitioned file which has the `Shared Partition` option set to YES for one or more of its partitions. However, the partitioning field defined does not exist in the Adabas FDT. *Action:* Contact our support and use the COR Debug Event Monitor controls specifying Response 249 and this subcode to provide diagnostic information.
117	One of the following errors occurred while processing the record, value, or search buffer: ■ A P format field value was not in packed decimal format. ■ A U format field value was not in unpacked decimal format. ■ The attempted format conversion was not possible because of incompatible data formats or other compatibility problems. ■ The field length was zero or not consistent with the field format. *Action:* Check field values for correct formats and lengths.
119	One of the following has occurred: ■ Runtime configuration on behalf of this client was unsuccessful and Adabas Vista has been defined as “critical” using the Critical Product Support feature of the Adabas System Coordinator. ■ The Adabas Vista configuration file was not available during an attempt to satisfy an Adabas Vista API request. *Action:* Check the availability of the configuration file. If the client runtime control Error Reporting WTO option is set to YES, this error may be accompanied by an AVI-0017-10 console message.
120	The client previously issued a command to a source file for which Vista was unable to determine the existence of any translation rules due to the configuration file not being available at the time. Subsequently, Vista has detected the availability of the configuration file and has determined the existence of a transation rule for this source file. This subcode is returned the next time the client attempts to access the source file. *Action:* Review the availability of the configuration file.
122	An invalid partitioned file definition has been found in the Adabas Vista configuration file. *Action:* Check the file definition using Adabas Vista Online Services.
123	An invalid translation rule has been found in the Adabas Vista configuration file.

Subcode	Meaning
	Action: Check the rule using Adabas Vista Online Services.
124	An error in the record buffer was detected during processing of an `OP` command.
126	One of the following errors occurred while processing an S8 command: ■ An invalid command ID was specified in the Additions 1 field. ■ Different file numbers were detected for ISN lists. ■ An error occurred while processing a subsequent `S8` call. *Action:* Review the application program.
127	One of the following errors occurred while processing an `S2` command: ■ An invalid sort sequence was specified. ■ An invalid ISN was detected during processing. ■ An error was detected during ISN processing. *Action:* Review the application program.
128	One of the following errors occurred while processing an `S9` command: ■ The command ID value specified was assigned to another command. ■ An invalid sort sequence was specified. ■ An invalid ISN buffer length was detected. ■ The number of ISNs to be sorted as provided in ISN quantity is equal to 0. ■ The command ID value specified in Additions 4 was not found. ■ An invalid ISN was detected during processing. ■ An error was detected during ISN processing. *Action:* Review the application program.
129	The command limit defined for this source file has been exceeded. *Action:* Review the command limit.
131	A requested file refresh of a partitioned file has failed due to an unexpected Adabas response code. The partitioned file is in a partially refreshed state. *Action:* Review the Adabas response code.
133	One of the following errors occurred whilst processing a direction change during an `L9` command sequence: ■ A second direction change for this sequence was attempted. ■ A format override cannot be processed. ■ A length override greater than specified in the FDT cannot be processed.

Subcode	Meaning
	■ A length override has been specified with complex search criteria. *Action:* Review the use of the `L9` command and the Adabas Vista restrictions.
134	An `S2` command to continue a sequence has been received. The sequence was not started by an `S2` command. *Action:* Amend the command sequence to process either all `S1` commands, or all `S2`commands, as appropriate.
200	ISN quantity is too high on this Sx command. *Action:* Perform a more specific Sx .
201	One of the following errors occurred while initializing AVIKRN: ■ The dynamic load failed. ■ The version is not compatible. *Action:* Check the Adabas Vista installation procedures.
250	ISN error when issuing ACBX style RI shared-hold calls with ACBXCOP3 set to “S”. *Action:* Check ISN usage on shared-hold commands.
305	An error has occurred while attempting to access an Extreme partitioned file. *Action:* Contact our support and use the COR Debug Event Monitor controls specifying Response 249 and this subcode to provide diagnostic information.
496	The session is not compliant with correct distributed transaction processing. Read *Transaction Directives*, in *Adabas Vista Programming Guidelines* for a more detailed explanation of this subcode. *Action:* Adhere to correct distributed transaction processing.
532	This session has not complied with the correct transactional processing behavior when using the discrete file setting. *Action:* Review the discrete file setting and ensure correct transactional processing.
588	For ACBX calls, a conflict with shared hold status option “H” has been detected. The client session is using this option in a conflicting manner during an `ET` or `BT` sequence after a commit/backout process has been performed. The transaction outcome is unaffected but records may no longer be in shared hold status. *Action:* Review usage of this option.

Open Systems

In Adabas Vista (open systems) an error occurred during command execution. One of the following subcodes may occur:

Subcode	Meaning
1 (0x0001)	An inconsistency in an internal data structure was detected. This may indicate a code fault within Adabas Vista. *Action:* Contact our support.
2 (0x0002)	An inconsistency in an internal data structure was detected. This may indicate a logic error within Adabas Vista. *Action:* Contact our support.
3 (0x0003)	The `S9` command is not supported on partitioned files. *Action:* Review the program logic.
4 (0x0004)	The F option for an `L1` command is not supported on partitioned files *Action:* Review the program logic.
5 (0x0005)	The F option for a `BT` command is not supported. *Action:* Review the program logic.
6 (0x0006)	The ISN buffer for a `BT` or `ET` command with the M option is not consistent with ISN Buffer Length in the Adabas control block. *Action:* Review the program logic.
7 (0x0007)	The maximum number of active command ID values has been reached. *Action:* Review the program logic.
8 (0x0008)	The command ID value specified for `TBLES/TBQ` (sequential) or `TBI` (ISN list) command is already in use by a different `TBLES/TBQ` or `TBI` command. *Action:* Review the program logic.
9 (0x0009)	Adabas Vista is not compatible with the installed version of Natural, Adabas or Entire Net-Work. *Action:* Contact our support.
10 (0x000A)	The definitions for partitioned file do not exist. *Action:* Review the partition definitions in SYSAVI.
11 (0x000B)	The parititioning field does not exist in the FDT. *Action:* Review the partition definitions in SYSAVI.

Subcode	Meaning
12 (0x000C)	The field type in the partition definition does not match the field type in the FDT. *Action:* Review the partition definitions in SYSAVI.
13 (0x000D)	The type for the parititioning field is not suitable. *Action:* Review the partition definitions in SYSAVI.
14 (0x000E)	The format buffer specified for an `N1` or `N2` command does not contain the partitioning field. *Action:* Review the program logic.
15 (0x000F)	The value of the partitioning field in the record buffer specified for an `N1` or `N2` command could not be converted to the standard field length and format. *Action:* Review the program logic.
16 (0x0010)	The value of the partitioning field in the record buffer specified for an `A1, N1` or `N2` command does not correspond to any partition defined for the file. *Action:* Review the partition definitions in SYSAVI.
17 (0x00011)	The value of the partitioning field in the record buffer specified for an `A1` command would require the ISN to be relocated to a different partition. *Action:* Review the program logic.
18 (0x00012)	The ISN and the value of the partitioning field in the record buffer specified for an `N2` command do not correspond to the same partition. *Action:* Review the program logic.
19 (0x00013)	The license is not valid for this operating system. *Action:* Contact our support.
20 (0x00014)	The license has expired. *Action:* Contact our support.
21 (0x00015)	The license file could not be found. *Action:* Contact our support.
22 (0x00016)	The license key is invalid. *Action:* Contact our support.
23 (0x00017)	The license is for a different version of the product. *Action:* Contact our support.

Subcode	Meaning
24 (0x00018)	The license is not for this product. *Action:* Contact our support.
25 (0x00019)	The ISN of a record read from a partition or the ISN of a record stored using an `N1` command is too large. *Action:* Check the settings for the Adabas file to ensure that the ISN values cannot exceed the highest value defined for the partition in SYSAVI.

Response 250

Origin Mainframe and open systems

Explanation On mainframe systems, the ACBX (ACBX) failed validation. The following subcodes are possible:

Subcode	Meaning
1	Unsupported ACBX version
2	ADACBX provided without UBE.
3	ACBX file number > 65,535.
4	Reserved field not zero.
5	ACBX length incorrect

On open systems, a requested function is not yet implemented.

Action On mainframe systems, if subcode 3 occurs, notify our support. If any of the other subcodes occur, correct the ACBX specification and rerun.

On open systems, wait for a later version of Adabas.

Response 251

Origin Mainframe and open systems

Explanation On mainframe systems, an error occurred in Adabas cluster processing. Under certain conditions, the Adabas cluster SVC (SVCCLU) component of the ADASVC returns response code 251 in the ACB's response code field, along with a hexadecimal subcode (listed below in decimal) in the low-order (rightmost) two bytes of the Additions 2 field. In the case of an ACBX, the ADASVC returns response code 251 in the ACBX's Response Code (ACBXRSP) field and the subcode in the Error Subcode (ACBXERRC) field.

- If the local SVCCLU detects the condition, the subcode will range from 2 through 30.
- If a remote SVCCLU detects the condition, it will range from 102 through 130.

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

Subcode	Meaning
2	The remote cluster nucleus to which the user is assigned cannot be accessed.
4	There are no user table entries (UTEs) available for use.
5	Internal error. The nucleus specified by an internal command was not found.
7	Internal error. The user was assigned to a remote nucleus by the local system but the remote system found that the nucleus was not active.
9	Internal error. The 28-byte user ID is all zeros.
17	Entire Net-Work is not active.
19	Internal error. Invalid internal command code.
20	Remote nuclei are active; command must be assigned remotely but the remote nuclei are not accepting commands.
21	The remote image to which the user is assigned has no usable nuclei.
22	An attempt was made to assign a user remotely but Entire Net-Work is not active.
25	No system image target
26	System image target changed
27	Internal error.
28	Version mismatch between the PLXCB and the SVCCLU part of the ADASVC.
29	Probably, you used a NUCID value from a restricted range. Otherwise, this is an internal error. *Action:* Ensure that the NUCID assignments are valid.
30	More than 32 NUCIDs were detected for the same SVC/DBID combination. *Action:* Reduce the number of NUCIDs on the SVC/DBID to 32.
41	An invalid PLXCB dataspace ALET was detected during command initiation. The PLXCB is unusable. The ALET has been removed from the IDTH prefix.
45	An invalid PLXCB dataspace ALET was detected during command completion. The PLXCB is unusable. The ALET has been removed from the IDTH prefix.
43	An invalid PLXCB dataspace header was detected. The PLXCB is unusable. The ALET has been removed from the IDTH prefix.
44	A program check occurred while using the PLXCB dataspace ALET. The PLXCB is unusable. The ALET has been removed from the IDTH prefix. Under z/OS a software LOGREC (EREP) record was created.
51	All open nuclei on this node have reached the maximum number of users and are not accepting additional new users.

On open systems, an invalid utility call - versions conflict occurred.

Action For internal errors on mainframe systems, contact our support. For all other mainframe errors except as noted, contact your systems administrator.

On open systems, check whether the utilities and database nuclei are of the same version. Contact our support for assistance.

Response 252

Origin Mainframe and open systems

Explanation On mainframe systems, an error occurred during Adabas SVC processing (post error).

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

On open systems, an invalid subroutine call - coding error occurred. This response may also be returned on setting the Entire Net-Work timeout via Adaset Timeout if Entire Net-Work is not correctly installed.

Action For open systems, contact our support.

Response 253

Origin Mainframe and open systems

Explanation On mainframe systems, an error occurred processing a buffer.

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

The following subcodes are possible:

Subcode	Meaning
0	Buffer length 0 (ACB user only)
1	Format buffer address zero
2	Record buffer address zero
3	Search buffer address zero
4	Value buffer address zero
5	ISN buffer address zero
6	User information buffer address zero
7	Performance buffer address zero
8	Multifetch buffer address zero
9	Unsupported ABD buffer type
10	Attached buffer overrun

Subcode	Meaning
11	Unsupported ABD version
12	ACBX not accepted by target
13	Unable to convert ACBX to ACB
14	ALET value not permitted
15	Unable to process 64-bit buffer address
16	Invalid buffer location indicator
17	Logic error locating ABD
18	More than 65,535 ABDs of any single type.
19	Reserved field not zero
20	ADABDX length incorrect
1xx	An error occurred attempting to allocate a Pause Element. The subcode is 100 (decimal) added to the return code from the z/OS IEAVAPE service. *Action:* Refer to IBM z/OS documentation for IEAVAPE for an explanation of its return code. Contact your our support representative for assistance.
2xx	An error occurred attempting to pause using a Pause Element. The subcode is 200 (decimal) added to the return code from the z/OS IEAVPSE service. *Action:* Refer to IBM z/OS documentation for IEAVPSE for an explanation of its return code. Contact your our support representative for assistance.

On open systems, the system file is not loaded or inconsistent.

Action

For mainframe systems, subcodes 10 and 17 are internal logic errors; notify your our support representative. For all other subcodes, correct the buffer specification error and rerun.

On open systems, check the system files by running ADAVFY.

Response 254

Origin

Mainframe systems only

Explanation

A validation error occurred during command completion processing while attempting to return results to the caller.

One of the following has occurred:

- An internal error occurred during processing of an attached buffer (buffer overflow)
- The CT parameter limit was exceeded. Message ADAM93 (or a similar message) is printed or displayed on the console.

  If the CT parameter limit was exceeded, the nucleus terminated the user, generated the equivalent of a BT command internally, released the CQE and attached buffer space, and issued ADAM93 (or a similar message).

If the user was not terminated, the subcode in the right-most two bytes of the ACB's Additions 2 field or the subcode in the ACBX's Error Subcode (ACBXERRC) field describes the failed validity check.

- If you are running with Entire System Server, the TIME parameter limit was exceeded. Message ADAM93 (or a similar message) displays on the console.

Note: If you are running with Entire Net-Work, the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

Subcode	Meaning
1	UBCQEX is less than or equal to zero
2	UBCQEX is greater than CQHNCQES
3	CQEFLAG is not equal to CQEFAB plus CQEFW16
4	CQEAUB is not equal to A'UB
5	CQEAUPL is not equal to A'APL
6	The low-order 6 bytes of CQECKSUM does not equal UBCKSUM
7	CQE was timed out
8	An inconsistency in the CQE such as the following: ■ The CQE was unexpectedly taken by another call . ■ The user buffer (UB) is not receiving expected user information. ■ The target move data length is inconsistent.
9	Record buffer overflow
10	ISN buffer overflow
11	Inconsistent format buffer length
12	Inconsistent search buffer length
13	Inconsistent value buffer length
14	Inconsistent user buffer length
15	Invalid attached buffer ABD index (internal logic error)
16	Buffer overflow; see ACBXERRD and ACBXERRE

Action

Ensure that the caller’s control structures and parameters are not altered while the command is being processed. If you are unable to resolve the error, notify your our support representative.

Response 255

Origin Mainframe and open systems

Explanation On mainframe systems, all attached buffers were allocated at the time the command was processed. Buffer allocation "high water marks" may not reflect this condition when no buffer allocation occurs.

Note: A Response 255 may also be issued by Entire Net-Work and in these circumstances the leftmost two bytes of the Additions 2 field (in the ACB), or the ACBXERRC or ACBXSUBR field (in the ACBX), may contain the ID of the Entire Net-Work node that issued or received this response code.

On open systems, the Adabas command could not be processed because not enough Adabas nucleus or operating system resources are available. The value in the first two bytes of the Additions 2 field indicates the reason (2-byte binary format).

Action On open systems, perform the following actions, based on the subcode:

Subcode	Action
1	No space is available for the attached buffers. Increase the LAB (length of attached buffers) parameter.
2	No space is available in the client ID table. Increase the NCL (number of client threads) parameter.
3	Message queue generation failed. Increase the corresponding operating system parameters (please refer to the Adabas open systems installation documentation for further information).
4-6	An internal error occurred; an unexpected response code was received from a system function. Contact our support.
7 (only with ADALNKX)	The ADAMPLNK executable could not be loaded. Make this module available.
8	No space is available for extended attached buffers. Increase the value of the LABX (length of extended attached buffers) parameter.

6 SAF Return Codes

ADASAF and the SAF Security Kernel display an eight-byte code containing various return and reason codes from SAF. This information is shown in a number of messages denoted "SSSSSSSS".

The SAF and ADASAF return codes contains the following structure:

Position Within Message Code	Information Content
Byte: 1	SAF return code (R15 after RACROUTE)
Byte: 2	Function code (see section ***SAF Internal Function Codes***)
Byte: 3	RACROUTE return code
Byte: 4	RACROUTE reason code
Byte: 5-8	Internal reason code

The SAF trace messages written to DDPRINT, when GWMSGL is not 0, include the first four bytes of the following information, printed as eight hexadecimal digits. The ADASAF trace messages include the first four bytes of the following information, also printed as eight hexadecimal digits:

Position Within Trace Message	Information Content
Digits 1 and 2	SAF return code (R15 after RACROUTE)
Digits 3 and 4	Function code (see section ***SAF Internal Function Codes***)
Digits 5 and 6	RACROUTE return code
Digits 7 and 8	RACROUTE reason code

Refer to the *IBM Security Server RACROUTE Macro Reference* manual for a thorough explanation of all possible return/reason codes. CA-Top Secret and CA-ACF2 can provide different return code values in some circumstances.

7 SAF Internal Function Codes

SAF Security Kernel and ADASAF internal function codes include:

Function Code (Hex)	Description
00	Authorize Natural Library
04	Authorize Adabas access
08	Authorize SYSMAIN function
0C	Authorize Natural system files
10	Authorize Natural program execution
14	Authorize Broker service
18	Authorize Entire Net-Work access (Net-Work SAF Security) or Adabas cross-level access (Adabas SAF Security) or RPC execution (Natural SAF Security).
1C	Authorize SQL Server access
44 or 6C	Authenticate user

8 MLC* - Mainframe Licensing Error Messages

MLC1001 **CPU-ID {cpuid} is not defined in your product license**

Explanation The CPU ID listed in the message (*cpuid*) is not defined in your product license. Either your license file is invalid or you have attempted to run the Software GmbH mainframe product on a machine for which it is not licensed.

Action Install and run the Software GmbH product on the machine for which it is licensed. If the problem persists, contact your Software GmbH sales representative for assistance.

MLC1002 **LPAR name {lparname} is not defined in your product license**

Explanation The LPAR name listed in the message (*lparname*) is not defined in your product license. Either your license file is invalid or you have attempted to run the Software GmbH mainframe product on a machine for which it is not licensed.

Action Install and run the Software GmbH product on the machine for which it is licensed. If the problem persists, contact your Software GmbH sales representative for assistance.

MLC1003 **Machine capacity {value} higher than MSUs in your product license**

Explanation The machine or the partition capacity (*value*) of the CEC or LPAR respectively on which you have attempted to install and run the Software GmbH mainframe product exceeds the capacity allowed in your product license. Either your license file is invalid or you have attempted to run the Software GmbH mainframe product on a machine for which it is not licensed.

Action Contact your Software GmbH sales representative for assistance.

MLC1004 **The product license will expire on {timestamp}**

Explanation This warning message provides the date and time (*timestamp*) when the license will expire for this Software GmbH mainframe product.

Action No action is required for this warning message. However, you should contact your Software GmbH sales representative to obtain an updated license soon.

MLC1005 **We assume CPU-ID {cpuid} as your DR or DR testing environment**

Explanation The CPU ID listed in the message (*cpuid*) is not defined in your product license. Therefore we assume that you are running in a disaster recovery environment.

Action If you are running in a disaster recovery environment, no action is required for this warning message. If you are not running in a disaster recovery environment, contact your Software GmbH sales representative to obtain an updated license.

MLC2001 **The product license is invalid**

Explanation Your product license is invalid.

Action Contact your Software GmbH sales representative for assistance.

MLC2002 **The product license key is invalid**

Explanation The license file for the Software GmbH mainframe product is invalid.

Action Verify that the license file was transferred correctly to the mainframe host and that it is still in ASCII format. If the problem persists, contact your Software GmbH sales representative for assistance.

MLC2003 **The product license is not for {value}**

Explanation The license file for the Software GmbH mainframe product is not for the operating system (OS), product code, or product version listed in the message (*value*).

Action Use the correct license file. If the problem persists, contact your Software GmbH sales representative for assistance.

MLC2004 **The product license has expired on {timestamp}**

Explanation The product license has expired. The date and time it expired is given in the message (*timestamp*).

Action Contact your Software GmbH sales representative for assistance.

MLC2005 **Tag missing in product license: {tagname}**

Explanation The tag with the name listed in the message (*tagname*) is missing in your product license.

Action Contact your Software GmbH sales representative for assistance.

MLC2006 **Invalid tag value in product license: {tagname}**

Explanation The value of the tag with the name listed in the message (*tagname*) is invalid in your product license.

Action Contact your Software GmbH sales representative for assistance.

MLC2007 **Current CPU-ID not found for product license check**

Explanation The CPU ID of the CPU on which the product license check was run is not found in the license file.

Action Contact your Software GmbH sales representative for assistance.

MLC2008 **The number of MSU values in the product license is incorrect**

Explanation The machine capacity covered by the product license is incorrect.

Action Contact your Software GmbH sales representative for assistance.

MLC2009 **ExtendedRights setting {value} not allowed under this system**

Explanation The ExtendedRights setting listed in the message (*value*) is not supported by your system.

Action Contact your Software GmbH sales representative for assistance.

MLC2010 **Soft capping is not allowed with ExtendedRights {value}**

Explanation Your product license does not allow soft capping with the ExtendedRights setting listed in the message (*value*).

Action Contact your Software GmbH sales representative for assistance.

MLC3001 **Invalid LCPCB length**

Explanation The license check routine has been incorrectly called.

Action Contact your our support representative for assistance.

MLC3002 **Work area too small**

Explanation The size of the work area for the license check routine is too small.

Action Contact your our support representative for assistance.

MLC3003 **Invalid function code**

Explanation The license check routine has been incorrectly called.

Action Contact your our support representative for assistance.

MLC3004 **Invalid operating system**

Explanation The ID of the operating system passed through the license check routine is invalid.

Action Contact your our support representative for assistance.

MLC3005 **Invalid product code**

Explanation The product code passed through the license check routine is invalid.

Action Contact your our support representative for assistance.

MLC3006 **Invalid product version**

Explanation The product version passed through the license check routine is not numeric.

Action Contact your our support representative for assistance.

MLC3007 **Invalid current date**

Explanation The current date passed through the license check routine is invalid. The date must be in the format `yyyy-mm-dd`. The dash (-) delimiters are not checked but the numbers must be a valid year, month and day, respectively.

Action Contact your our support representative for assistance.

MLC3008 **Tag not found**

Explanation The license check routine cannot find the requested XML tag.

Action Contact your our support representative for assistance.

MLC3009 **Component Id tag not found**

Explanation The license check routine cannot find the XML tag `Component Id`.

Action Contact your our support representative for assistance.

MLC3010 **Invalid search tag**

Explanation The XML search tag requested by the license check routine is invalid.

Action Contact your our support representative for assistance.

MLC3011 **Insufficient I/O area size**

Explanation The size of the I/O area for the license check routine is too small.

Action Contact your our support representative for assistance.

MLC3012 **Output record length too small**

Explanation The length of the output record for the license check routine is too small.

Action Contact your our support representative for assistance.

MLC3013 **Error message text not found**

Explanation The license check routine cannot find the text that belongs to the requested error message.

Action Contact your our support representative for assistance.

MLC3014 **Too many errors occurred**

Explanation The license check routine detected too many errors. Some messages are lost.

Action Contact your our support representative for assistance.

MLC9001 **License exceeds maximum size of 8000**

Explanation Your license file is too large.

Action Contact your Software GmbH sales representative for assistance.

MLC9002 **Error opening license file input**

Explanation An error occurred during an attempt to open the license file input.

Action Investigate the cause of the error, paying special attention to the corresponding error messages produced by the operating system. Contact your Software GmbH sales or support representative for assistance.

MLC9003 **Error reading license file input**

Explanation An error occurred during an attempt to read the license file input.

Action Investigate the cause of the error, paying special attention to the corresponding error messages produced by the operating system. Contact your Software GmbH sales or support representative for assistance.

MLC9004 **Error opening license file assembler output**

Explanation An error occurred during an attempt to open the license file assembler output.

Action Investigate the cause of the error, paying special attention to the corresponding error messages produced by the operating system. Contact your Software GmbH sales or support representative for assistance.

MLC9005 **Error writing license file assembler output**

Explanation An error occurred during an attempt to write the license file assembler output.

Action Investigate the cause of the error, paying special attention to the corresponding error messages produced by the operating system. Contact your Software GmbH sales or support representative for assistance.

MLC9006 **License converted to assembler output records written to output file**

Explanation The license file was successfully converted to an assembler source module. Output records were written to the output file.

Action No action is required for this informational message.

MLC9007 **Error loading license module {modulename} {errorcode}**

Explanation The LOADLIC function (z/OS only) tried to load a license module from the load library and received an error (*errorcode*) from the operating system.

Action Correct the LICUTIL input, removing duplicate LICUTIL function calls. Check that the license module (*modulename*) is in the load library, that the correct library is referenced in the JCL, and that the module name is specified correctly in the LOADLIC statement (case sensitive, a blank between LOADLIC and *modulename*).

MLC9009 **DMS Error**

Explanation A DMS error occurred (only in BS2000 environments).

Action Investigate the cause of the BS2000 DMS error. If you need assistance, contact your our support representative.

MLC9010	**LOADLIC can only be issued once, before any DISPLAY, CHECK, MAKE or READ**
Explanation	The LOADLIC function (z/OS only) can only be performed once per LICUTIL session. LOADLIC must not be preceded by the DISPLAY, CHECK or READ function. These functions can only locate the license module *after* the LOADLIC.
Action	Correct the LICUTIL input, removing duplicate LICUTIL function calls. Change the call order so that the LOADLIC precedes any DISPLAY, CHECK or READ.

9 Diagnosis of Violations

If security violation logging is active, the SAF Security Kernel includes additional diagnostic information about the violation in its trace message. This information is described in the *SAF Security Kernel* documentation.

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