

Nucleus Response Codes

After each Adabas command is processed, a response code is returned in bytes 11 and 12 of the Adabas control block. Some response codes also return a subcode in the rightmost two bytes of the control block's additions 2 field. 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, 1, and 145 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 your Adabas technical support representative.

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Response 0

Explanation: The command was executed successfully.

Response 1

Explanation: Depending on the subcode in the rightmost two bytes of the additions 2 field, one of the following has occurred:

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 Sx command using security-by-value that found at least one ISN.

Action: Increase the ADARUN LS parameter value.

Response 2

Explanation: This response code can only occur with a BT or ET command. The BT or ET command executes successfully. One of the following has occurred:

- The user ET data in the record buffer was longer than 2048 bytes (ET with E option). ISNs could not be held because there was not enough space in the hold queue.

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.

Response 3

Explanation: One of the following has occurred:

- An end-of-file or end-of-list condition was detected.
- A program tried to read/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.

Response 7

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

Response 8

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

Explanation: A subcode appears in the low-order (rightmost) two bytes of the additions 2 field indicating the specific cause and action for this response code. The following are the subcodes and their meanings:

1	<p>The user was backed out because the hold queue was full</p> <p><i>Action:</i> Set the ADARUN hold queue (HQ) parameter higher, or "tune" the application to issue more frequent ET commands.</p>
2	<p>The transaction time limit (TT) has been exceeded, and the transaction was backed out.</p> <p><i>Action:</i> Correct the cause of the timeout, then restart the transaction.</p>
3	<p>One of the following is the case: 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. 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.</p> <p><i>Action:</i> Correct the cause of the timeout, then restart the transaction.</p>
15	<p>The user was backed out because a pending Work area overflow occurred during this operation.</p> <p><i>Action:</i> Either reduce the transaction length to lessen the data protection area requirement, or increase the protection area on Work.</p>
17	<p>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.</p> <p><i>Action:</i> (In the application program:) Redo the OP command with the ETID specified in the additions 1 field to reacquire the user ID. Contact your Software AG technical support representative.</p>
18	<p>The user's active transaction was interrupted and backed out because a peer nucleus in an Adabas cluster terminated abnormally.</p> <p><i>Action:</i> (In the application program:) Rerun the transaction.</p>
19	<p>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.</p> <p><i>Action:</i> (In the application program:) Clean up and reacquire the current context pertaining to Adabas command IDs; rerun the transaction.</p>

20	<p>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.</p> <p><i>Action:</i> (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 to reacquire the ETID; clean up and reacquire the current context pertaining to Adabas command IDs; rerun the transaction.</p>
62	<p>An OP (open) command was issued without a user/ET ID, which is required for this type of application or environment.</p> <p><i>Action:</i> Correct the program to specify a user/ET ID, and rerun the program.</p>
63	<p>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.</p> <p><i>Action:</i> Repeat the OP call.</p>
64	<p>An OP command was issued with an 8-byte ET ID that already exists.</p>
66	<p>An Adabas session with OPENRQ=YES was active and the user issued an Adabas command without having issued an OP command.</p> <p><i>Action:</i> Ensure that all users issue an OP command as the first Adabas command.</p>
67	<p>Insufficient Work part 1 space for open command with ETID definition when trying to read the user profile.</p>
80-99	<p>CL is invalid because the user has a transaction in progress that is managed by Adabas Transaction Manager. Issued by the Adabas Transaction Manager (ATM). These subcodes are given only when Adabas Transaction Manager is in use. Please see the <i>Adabas Transaction Manager Manual</i> for more information.</p>

Response 10

Explanation: Too many occurrences for a periodic group.

Response 17

Explanation: A subcode appears in the the low-order (rightmost) two bytes of the additions 2 field indicating the specific cause and action for this response code. The following are the subcodes and their meanings:

1	The program tried to access system file 1 or 2, and no OP command was issued. <i>Action:</i> 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. <i>Action:</i> Change the program to avoid the access.
4	One of the following occurred: - The specified file number is invalid. - When running with ADARUN DTP={RM TM}, an attempt was made by a non-ATM user to access/update an ATM system file.
5	The file is either not loaded, or has been locked by another user for privileged use. 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	An E1 (delete record) command was given without specifying a valid file number.
7	The program tried to perform an LF command on system file 1 or 2.
8	The program tried to access a file that was not listed in the file list of an open (OP) executed with the R option.
9	The file that the program attempted to access is completely locked. This is usually because the five extents have been used. <i>Action:</i> Reorder, then unlock the file. Continue operation.
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.
18	File has been locked with ALOCKF.
21	Not enough space for encoding elements (ECSE).
22	The required ECS objects needed for conversion between user and system data representation could not be loaded.
23	ECS object could not be located. The following objects must be available in the encoding objects library: File Alpha, File Wide EDD, User Alpha, User Wide EDD, and the PTOs for the combinations between file/user alpha/wide encodings. <i>Action:</i> Check that the required EDD and PTO objects are available.

24	ECS function <code>get_attribute()</code> failed. <i>Action:</i> 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 ECS object (encoding type, class, and flags) - The default space character length was > 4 - Default space table allocation failed - If DBCS-only plane exists, wide space character was undefined, or the length > 4, or wide space table allocation failed

Response 18

Explanation: Invalid file number usage. The file number was modified between successive L2/L5 calls.

Response 19

Explanation: An attempt was made to update a file which was opened for access only. The leftmost two bytes of additions 2 may contain the file number.

Response 20

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

- X'00000000'
- X'40404040'
- X'FFxxxxxx'

User Action: Avoid usage of any of the above command ID values.

Response 21

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

- The command ID value specified with the GET NEXT option of an L1/L4 command was not found.
- The command ID value was not found and the L3/L6 call was not an initial call.
- The command ID value specified for the L3/L6 command was assigned to another L2/L5 or L9 command.
- The command ID value specified for the L9 command was assigned to another L2/L5, L3/L6 or L9 command.
- An invalid global format ID was specified.
- The command ID is already present in the format pool, but for another file.

1: The command ID value was not found in the sequential command table. Either this is not an initial call and there was no previous initial call, or the initial call was issued for another file.

6: The command ID value specified for the S8 command was not found.

7: The command ID value specified was assigned to an internal format buffer for a different file.

8: The command ID value specified for the S8 command is for an unsorted ISN list.

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.

Response 22

Explanation: The command is invalid. A subcode appears in the low-order (rightmost) two bytes of the additions 2 field indicating the specific cause and action for this response code.

When using the LNCSTUB module, 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:

1	The nucleus detected an invalid command code. <i>Action:</i> Correct the command code, and rerun the program.
2	This command cannot be issued by an ACC (access only) user.
3	This command cannot be performed on a read-only nucleus.
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 1.
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.
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.
14	Invalid privileged command.
15	An L1 command specified the multifetch option "M" or "O" combined with either the "I" or "N" option.
16	The user does not have "privileged" command authorization.
17	Not permitted during online save.
18	Applications using the ADALNK X'48 call logic receive this response when the logic has been suppressed.
21	ET command is invalid for a distributed transaction managed by Adabas Transaction Manager.
22	The current transaction has already been heuristically terminated.
23	BT command is invalid for a distributed transaction managed by the Adabas Transaction Manager.
24	CL is invalid because the user has a transaction in progress that is managed by Adabas Transaction Manager.

Response 23

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.

Response 24

Explanation: 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.

Response 25

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

Response 26

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.

2	An S9 command with an ISN buffer contains ISNs that are higher than the TOP-ISN of the file.
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Response 27

Explanation: Sufficient work space 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.

2	Sufficient work space was not available to generate the format translation.
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Response 28

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

- the additions 1 field contained a descriptor different from that contained in the search buffer; or
- the field was not a descriptor; or
- the descriptor was changed between successive calls; or
- the descriptor is contained within a periodic group.

Response 29

Explanation: L3/L6 command; a value repositioning was attempted (bytes 3-4 of the additions 1 field contain spaces) and the command option 2 field did not contain the value "V". The command ID is released.

Response 34

Explanation: An invalid command option has been detected.

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

Response 35

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

Response 40

Explanation: One of the following syntax errors was detected in the format buffer:

- The terminating period was missing.
- The first position contained a period.
- Length and/or format was specified with a range definition.
- An invalid element was detected.
- The L9 descriptor name in the search buffer did not agree with the name in the format buffer.
- Format 'C.' was specified for an update command.

Response 41

Explanation: One or more of the following specification errors occurred in the format buffer:

- A phonetic descriptor or hyperdescriptor was specified;
- Field specification error:
 - the specified field name is reserved for edit masks;
 - the field is not in the selected file.
- Indexing error:
 - no index was specified for a periodic-group name or field;
 - a group or multiple-value field index greater than 191 was specified;
 - the specified index was zero (0);
 - the specified index range is descending;
 - indexes are missing for some of the multiple-value fields specified;
 - a reference to a multiple-value field count is missing an index.
- Periodic-group error:
 - a reference to a periodic group is missing an index;
 - the command specified a group containing a multiple-value field;
 - a periodic-group reference specifies a length/format;
 - no index was specified in a periodic-group reference.
- Group error: a group reference specified a length/format.
- Multiple-value field error:
 - a count was specified for a non-multiple-value field;
 - the methods for indexing multiple-value fields were mixed. Only one type of indexing can be used in the format buffer.

User 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

Explanation: One of the following space problems occurred:

- The internal format buffer was too small to store a user format (translated into internal structure);
- The Work pool was too small to store a user format.

Response 43

Explanation: L9 command; the descriptor specified in the format buffer did not agree with the descriptor specified in the search buffer.

Response 44

Explanation: One of the following format buffer errors occurred:

1,3	The format buffer specification was invalid (conditional format buffers are not allowed for update operations).
2,4	The L9 command's format buffer format is not allowed for other commands.
5	The L9 command specified a conditional format in the format buffer.
6	A floating-point field was addressed using a length other than 4 or 8; or a fixed-point field was addressed using a length other than 4.

Response 45

Explanation: The internal format buffer requires more than 64K.

Response 46

Explanation: The maximum value for the NQCID parameter was exceeded (the number of TBI and/or TBQ elements is greater than NQCID).

Response 47

Explanation: The maximum value for the NISNHQ parameter was exceeded. This value is 1/4 the ADARUN NH parameter value up to 65535.

Response 48

Explanation: An error occurred during OP (Open) command processing. Refer to the hexadecimal subcode that appears in the low-order (rightmost) two bytes of the additions 2 field.

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.
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.
8	The user ID specified in the open 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 command to a nucleus in UTIONLY status.
13	Online file save attempting to run on an advance-locked file.
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 OP command but the nucleus was not activated with UES support.
17	A specified file is locked against the requested use and is advance-locked.
18	A second OP 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.
20	A regenerate/backout with exclusive database control is rejected because there are in-doubt transactions or heuristically terminated transactions on Work part 4.
25 - 30	Reserved for Adabas Transaction Manager. These subcodes are given only when Adabas Transaction Manager is in use. Please see the <i>Adabas Transaction Manager Manual</i> for more information.

Response 49

Explanation: The compressed record was too long. It exceeds the maximum permitted compressed record length for the file. The following subcodes may be indicated:

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).
10	Long alpha or wide field.

Response 50

Explanation: A syntax error in the record buffer was detected during processing of an OP command.

Response 51

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

Response 52

Explanation: One of the following errors occurred while processing the record, value, or search buffer (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):

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.
7	Decoding a collation descriptor value failed: the collation descriptor exit issued a return code.

Response 53

Explanation: One of the following errors occurred:

0	<p>The record buffer is too small.</p> <p><i>Action:</i> If the record buffer size</p> <ul style="list-style-type: none"> ● conflicts with the lengths specified in the format buffer, change either the record buffer size or the format buffer specifications to resolve the conflict. ● 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.
2	<p>The ISN buffer is too small.</p> <p><i>Action:</i> Increase the size of the buffer.</p>

Response 54

Explanation: The record buffer for a C3, C5, or ET command is too long. The maximum allowed is 2048 bytes. The following subcodes (in hexadecimal) may be indicated:

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.

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

Response 55

Explanation: 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.

Additions 2 may contain the field name in the leftmost two bytes; the rightmost two bytes may contain the offset into the record buffer.

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

Additions 2 contains the field name in the leftmost two bytes; the rightmost two bytes contain the subcode:

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.
8	Conversion error of a floating-point field (overflow) when converting to/from a non-IBM floating-point format.
n	Data between user and system data representation could not be converted without error and 2-byte error code from ECS.
255	Field length exceeded maximum for variable fields.

Response 56

Explanation: One of the following occurred:

.	The descriptor value was too long; or
n	The collation value exceeded the maximum 253 bytes. The subcode "n" is the collation descriptor exit number.

Response 57

Explanation: L9 command; the descriptor specified in the search buffer or in the additions 1 field was invalid, or the descriptor was not specified.

Response 58

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

Response 59

Explanation: Format conversion of a subfield is not possible. The source field has "F" or "G" format.

Response 60

Explanation: A syntax error was detected in the format or search buffer. Generally, the first two bytes of the additions 2 field contain the two characters under inspection when the error was detected. The rightmost two bytes of the additions 2 field contain one of the following subcodes, which further defines the error:

1	Format buffer length is invalid.
2	Invalid syntax element in the search buffer.
3	Missing start/ending apostrophe for literal value.
4	Literal of zero bytes.
5	Invalid delimiter or missing period.
6	Missing close parentheses ")".
7	Empty criterion: soft coupling or conditional format.
8	Invalid second character in a "FN" definition.
9	Edit mask number greater than 15.
10	Invalid character following field name specification.
11	Invalid form of case ABN(XXX)/ AB3(XXX)/ AB3-6(1-4).
12	More than 8 digits for a numeric value is not permitted.

Response 61

Explanation: One of the following errors was detected in the search buffer:

- The length of a descriptor value was greater than 253.
- Invalid file number specification.
- 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.
- A descriptor contained in a periodic group was specified without an index.
- Invalid connection of partial criteria and/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.

Response 62

Explanation: One of the following has occurred:

- The length of the search and/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 "."
- The search buffer does not contain a "."

Response 63

Explanation: The command ID value specified in the search buffer was not found.

Response 64

Explanation: This response code is used for communication with Adabas utilities and Adabas Online System (AOS), and was returned for one of the following reasons:

- The requested function cannot be performed on Adabas system (including checkpoint and security) files. Refer to the ADAREP output report for a list of the system files, or to the subcodes in the job output for more information.
- An error occurred in an AOS or utility function. For AOS, a subcode is displayed in the error message, following the AOS module number. For utility functions, the subcodes are described within the message text.

Action: If you do not understand the action to take for a response code 64 and/or subcode, note the subcode and the function that caused the response code, and call your Software AG technical support representative for assistance.

Response 65

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

Response 66

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

Response 67

Explanation: One of the following errors occurred:

.	An internal error occurred while executing an Sx command.
2	An error occurred during superfield generation.

Action: Retain all related information, and contact your Software AG technical support representative for assistance.

Response 68

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 AG for details.

Response 70

Explanation: An overflow occurred in the table of sequential commands.

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

Response 71

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

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

Response 72

Explanation: One of the following errors occurred:

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

Explanation: An overflow occurred in the section of the Work dataset in which resulting ISN lists are stored.

Action: The DBA may increase the size of the Work dataset and/or the number of saved ISN lists during an Adabas session may be decreased.

Response 74

Explanation: No space was available on the Work dataset for complex find commands.

Action: The DBA may increase the size of the Work dataset.

Response 75

Explanation: An additional Associator or Data Storage space was required for a file and the maximum of 5 extents had already been allocated. BT or autorestart could cause the file to be locked because of inadequate extent space (see response code 48).

Action: Ask the DBA for assistance; Associator or Data Storage extents may have to be reallocated.

Response 76

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

Response 77

Explanation: Sufficient space was not available for a required Associator or Data Storage extent. The following subcodes further define the error:

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	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.

Response 78

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

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.

Action: 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.

Response 79

Explanation: Either a collation descriptor exit (subcode 'CDX'n where "n" is the one-byte binary collation descriptor exit number) or a hyperdescriptor exit ("hyperexit") was not specified in ADARUN.

Action: Reissue ADARUN with the CDXnn or HEXnn parameter. Refer to the Adabas Operations documentation for more information about ADARUN parameters, and to the DBA Tasks for a description of user exits.

Response 82

Explanation: A hyperexit routine returned an invalid ISN.

Response 83

Explanation: Hypertable overflow.

Response 84

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

Response 85

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

Response 86

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.

Response 87

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:

1	Check the LBP value with DPARM.
2	Increase the ADARUN LBP parameter value;
3	Retry the operation. If the error recurs, call your Software AG support representative for assistance.

Response 88

Explanation: This response code generally occurs when there is a workpool (LWP) shortage. When this response code occurs, refer to the hexadecimal subcode that appears in the low-order (rightmost) two bytes of the additions 2 field. Following are the subcodes and their meanings.

1	Sufficient LWP work pool space was not available.
2	The space or hold queue resources needed to execute the command could not be acquired. This can occur if the nucleus is in single-user mode (MODE=SINGLE), or multiuser mode with only one thread in use when the command attempts to acquire space.
4	There are space problems in the workpool during update. This can occur if there is not enough free space in the workpool (LWP) for the updated DVT (the limit is 32K) or if the update command needs more than one-eighth of the LWP.

Action:

1	<ul style="list-style-type: none"> - Check the "high water mark" for the work pool. - Increase the LWP ADARUN parameter value and retry the operation. <p>When subcode 1 occurs during session autorestart, the NU parameter value may be too small. If it recurs, call Software AG technical support for assistance.</p>
4	<ul style="list-style-type: none"> - Increase the LWP ADARUN parameter value and retry the operation.

Response 89

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 95

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

Response 96

Explanation: An error occurred during ADARES REPAIR utility execution.

2	An I/O error occurred during nucleus termination; additions 2 may contain RABN.
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Response 97

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

Response 99

Explanation: An I/O error occurred.

Response 101

Explanation: Adabas Fastpath processing error. Refer to the hexadecimal subcode that appears in the low-order (rightmost) two bytes of the additions 2 field:

1	L9 sequence optimization encountered an unexpected COP2=I.
2	L3/L9 direct optimization internal error.
3	Internal call mechanism not functioning. User exit B may have rejected the call.
4	Unexpected RC command during sequence optimization.
5	Sx command sequential optimization update error.

Response 102

Explanation: Space calculation error.

Action: Retry the open operation.

Response 106

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

Response 107

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

Response 109

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

Response 110

Explanation: The command ID pool is full.

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

Response 113

Explanation: The specified ISN was invalid because one of the following occurred:

- An HI command was issued with ISN less than MINISN.
- 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, E1, or S1/S2/S4 (with FB) command was issued for a nonexistent ISN.
- 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.

Response 114

Explanation: One of the following occurred:

- A refresh file function using the E1 command was issued, and is not allowed.
- ISN=0 was specified for the E1 command.

Response 123

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:

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 acknowledgement(s)
32	Unable to allocate AXMCB
36	Timed out on originating system
40	Timed out on destination system
44	Cancelled on destination system
48	Receive error on destination system
52	Unable to allocate buffer
80	Messaging is inactive
96	Terminate member unsuccessful
128	Other transport service error

Action: If you are unable to resolve the problem, contact your Software AG technical support representative.

Response 124

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 may be present.

Action: If you are unable to resolve the problem, contact your Software AG technical support representative.

Response 125

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 your Software AG technical support representative.

Response 126

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 or 123 or 124.

Action: If you are unable to resolve the problem, contact your Software AG technical support representative.

Response 129

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

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

2	user table entry (UTE) not found in MPM 8 call
3	command queue entry (CQE) not found in MPM 8 call
4	intermediate user buffer (IUB) not found in MPM 8 call
5	Adabas control block not found in MPM 8 cal
6	invalid UTE on nucleus chain
7	invalid UTE on user chain add
8	invalid UTE on the "lura" chain (that is, the linked list of UTEs representing local users remotely assigned) delete
23	invalid CQE

Action: Contact your Software AG technical support representative.

Response 144**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.

Response 145**Explanation:** One of the following 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.

9	Two or more users became deadlocked while holding ISNs and attempting to put more ISNs in hold status.
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Response 146**Explanation:** An invalid buffer length was detected by the Adabas interface routine.**Response 147****Explanation:** The ISN was invalid. The ISN transformation resulted in a negative ISN or an ISN greater than the maximum ISN permitted for the file.

Response 148

Explanation: The Adabas nucleus was either not active, or not accessible.

Refer to the hexadecimal subcode that appears in the low-order (rightmost) two bytes of the additions 2 field.

Note:

If you are running with Entire Net-Work, the leftmost two bytes of the additions 2 field may also contain the ID of the Entire Net-Work node that issued this response code.

1	Exclusive database control requirement conflicts with read-only nucleus status.
2	A nonprivileged call was made to the nucleus while it was in utility-only (UTI) mode.
3	The nucleus is performing an ADAEND operation, and either a new user is attempting to begin operation or an existing user in ET status is trying to continue operation.
4	A utility with exclusive database control is running.
5	A single-user nucleus could not start operation due to an error that could not be corrected.

Response 151

Explanation: A command queue overflow occurred.

Note:

If you are running with Entire Net-Work, the leftmost two bytes of the additions 2 field may also contain the ID of the Entire Net-Work node that issued this response code.

Action: The DBA may increase the value for the NC parameter and/or the command may be issued when a lower level of command activity is in effect.

Response 152

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

Action: The DBA should increase the value of the LU parameter.

Response 153

Explanation: A "CALL ADABAS" was issued by a user while a previous call for the user was still being processed.

Response 154

Explanation: A command was rejected because it resulted in a trigger being fired, but the queue is full at this time.

Action: Retry the command.

Response 155

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

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

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

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 steplib.

Response 160

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

Response 161

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

Response 162

Explanation: No additional space is available for Adabas buffer pool header blocks.

Response 163

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

Response 164

Explanation: Too many work areas were allocated for the command.

Response 165

Explanation: A descriptor name was either invalid or did not exist in the descriptor value table (DVT). The leftmost two bytes of additions 2 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.

Response 166

Explanation: An error was detected in an inverted list index. The cause may be damage in the Associator.

Response 167

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

Response 168

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

Response 170

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.

Response 171

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

Response 172

Explanation: An ISN was less than the MINISN or greater than the MAXISN setting in effect for the file.

Response 173

Explanation: An invalid Data Storage RABN was detected.

Response 174

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

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

Action: Run the "check" utilities (especially ADAICK and ADAVAL) against the file, and contact your Software AG technical support representative.

Response 176

Explanation: One of the following occurred:

- An inconsistency in an inverted list was detected.
- An internal error occurred during inverted list processing.

Action: Run ADAICK to determine whether an inconsistency exists in an inverted list. If not, contact your local Software AG technical representative.

Response 177

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. If this response code is returned to the ADAULD UNLOAD utility function with the parameter SORTSEQ, the file might be inconsistent and data lost.

Action: Check the file with the "check" utilities, especially ADAACK, and contact your Software AG technical support representative.

Response 178

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

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

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

Response 181

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

Response 182

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

Response 183

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

Response 184

Explanation: A phonetic field name could not be found.

Response 185

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

Response 197

Explanation: The DEUQ pool is too small.

User Action: Increase the ADARUN LDEUQP parameter.

Response 198

Explanation: An attempt was made to duplicate a descriptor value for a unique descriptor. The leftmost two bytes of additions 2 may contain the descriptor name.

Response 199

Explanation: An inconsistency in the inverted list index was found during an update operation. The leftmost two bytes of additions 2 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

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

From Adabas SAF Security processing, the command could not satisfy the necessary security checks and may be accompanied by a subcode as follows:

0	A standard user check failed.
1	There is no free user file cache entry for a workstation user.
2	A cross-level security check failed.
3	No security information is available for the command.
4	A timeout occurred during a workstation logon.

Response 201

Explanation: The password specified was not found.

Response 202

Explanation: An attempt was made to use a file for which the user is not authorized, or the file password is being changed.

User Action: Either correct the authorization, or retry the operation with the new password.

Response 203

Explanation: An attempt was made to delete a record in a file for which the user is not authorized.

Response 204

Explanation: A password pool overflow occurred.

Response 207

Explanation: Adabas SAF Security completed phase 1 of logon and requested phase 2. This is an internal Adabas SAF Security and ADALNK two-phase response code for a remote workstation logon. This code is normally not displayed or presented.

User Action: Send a phase 2 logon request to Adabas SAF Security.

Response 208

Explanation: As an Adabas SAF Security remote user, you should execute a phase 1 logon. The logon ID and your password are sent to Adabas SAF Security. This response indicates that two-phase logon can continue.

Action: If the user application receives this response, it is on a workstation platform that does not have the proper Adabas link routine installed. This response code is intercepted by the workstation Adabas link routine and phase 1 logon is performed.

Response 209

Explanation: Adabas SAF Security detected an expired password on the server.

Action: Create a valid password on the server for ACF2, RACF, or Top Secret. Entire Net-Work users may use the Adabas SAF Security feature.

Response 210

Explanation: Logical ID greater than 255 (internal error).

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 211

Explanation: Invalid ID table index in UB (internal error).

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 212

Explanation: Invalid input/output buffer for internal command.

Response 213

Explanation: ID table not found (SVC not properly installed).

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

User Action: Inform the DBA. The Adabas installation procedure was not properly executed.

Response 214

Explanation: Internal command issued from Adabas version 4 Adalink.

Response 215

Explanation: SVC 04/16 call received from Adabas version 4 Adalink, with Adabas version 5/6/7 UB or AMODE=31.

Response 216

Explanation: Command rejected by user exit.

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 217

Explanation: Command rejected by user exit.

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 218

Explanation: 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.

User Action: Increase the UB pool by respecifying the NUBS parameter in the link routines. See the ADAGSET macro information in the Adabas Installation documentation.

Response 219

Explanation: This response code should only occur when Adabas Transaction Manager is being used.

2	The global transaction is not in the status that allows the call.
3	To 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) either 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.
7	The transaction was backed out.
8	The transaction ID (XID) already exists; or the transaction was committed.
9	The system is currently locked due to a pending Work area 4 overflow.
10	The call is not permitted; either ADAEND or an ET-syncpoint is in process for the nucleus.

Response 220-227

Explanation: These response codes are reserved for Entire Net-Work.

User Action: Refer to the appropriate Software AG Entire Net-Work manuals for more information on the meanings and use of these response codes.

Response 228

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 version 7 SVC.
2	The database is not UES-enabled.

User Action: Ensure that your Adabas installation is UES-enabled. Refer to the UES information.

Response 229

Explanation: This response code is reserved for Entire Net-Work.

User Action: Refer to the appropriate Software AG Entire Net-Work manuals for more information on the meaning and use of this response code.

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.

User Action: Refer to the description of user exits in the Adabas DBA Tasks documentation for more information.

Response 240-244

Explanation: These response codes are returned by Adabas Transaction Manger.

Action: Consult the Adabas Transaction Manager documentation for more information.

Response 245

Explanation: 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.

1	Internal error.
2	A required module could not be loaded. This is probably an installation error.

Action: For subcode 1, contact your Software AG technical support representative. For subcode 2, consult the installation instructions for the add-on product.

Response 251

Explanation: 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.

- 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 may also contain the ID of the Entire Net-Work node that issued this response code.

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.
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. <i>Action:</i> Ensure that the NUCID assignments are valid.
30	More than 32 NUCIDs were detected for the same SVC/DBID combination. <i>Action:</i> Reduce the number of NUCIDs on the SVC/DBID to 32.

Action: For internal errors, contact your Software AG technical support representative. For all other errors except as noted, contact your systems administrator.

Response 252

Explanation: An error occurred during Adabas SVC processing (post error).

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 253

Explanation: An error occurred during Adabas SVC processing (invalid buffer length detected).

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 254

Explanation: The CT parameter limit was exceeded. A BT command is executed (if applicable and necessary); the command queue element and attached buffer are released; and message ADAM93 (or a similar message) is printed or displayed on the console.

If the user is not terminated, this response code is returned to the user program when an internal error occurs during processing of an attached buffer (buffer overflow). Check for one of the following subcodes in the rightmost two-bytes of the additions 2 field:

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

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

Response 255

Explanation: All attached buffers were allocated at the time the command was processed. Buffer allocation (NAB) "high water marks" may not reflect this condition when no buffer allocation occurs.

If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.