Response Codes

This section describes the response codes which may be encountered during Adabas Vista processing.

Response codes not mentioned here are returned to the user unchanged. Information regarding these response codes can be found in the *Adabas Messages and Codes* documentation.

Adabas Vista makes extensive use of the subcode field in the Adabas control block. For information about extracting this subcode, refer to section Error Handling.

- Response Codes

- Subcodes

Response Codes

Response 3   Subcode 249

Explanation   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   None.

Response 9   Subcode 249

Explanation   All transaction activity by the client has been backed out for one of the following reasons:

- 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.

Response 17	**Subcode 249**
Explanation	While attempting to satisfy a partitioned file command the unavailability of an FDT has been detected – 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.

- None of the partitions were available/online and all of them have the file parameter `Critical` set to NO and the command can not be satisfied with a "no data" response such as RSP003.

Action	Ensure at least one of the file partitions is available/online.

Response 53	**Subcode 249**
Explanation	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.

Response 249	**Subcode 1 to 255**
Explanation	Adabas Vista uses a default Adabas response code of 249 for all processing errors. This response code can be changed by using the Job Parameter function of Adabas Vista Online Services.
Action	Refer to the section Subcodes for the explanation of the subcode. If the subcode is not mentioned, contact Software AG technical support.

Subcodes

Subcode 1

Explanation	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.

Subcode 6

Explanation   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.

Subcode 8

Explanation   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.

Subcode 9

Explanation   One of the following errors was detected while processing a partitioned file:

- A distributed access can not be successfully processed due to the client encoding
being incompatible with Vista's record collating process.

- A command can not be successfully processed due to the client encoding being
incompatible with the defined partition criteria.

Action   Review the use of client encodings.

Subcode 10

Explanation   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.

Subcode 12

Explanation   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.

Subcode 14

Explanation   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).

- 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.

Subcode 15

Explanation   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.

Subcode 16

Explanation 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.

Action Review the application program and check TOPISN setting.

Subcode 21

Explanation One of the following errors occurred while processing Distributed Lock Mode (DLM) against a partitioned file:

- Prefetch/multifetch options on a distributed access `L6`command are not allowed for DLM options 2 and 3.

- DLM option 4 is specified and a distributed access`S4` 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.

Subcode 22

Explanation 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) 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.

Subcode 25

Explanation   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.

Subcode 28

Explanation   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.

Subcode 31

Explanation   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.

Subcode 32

Explanation   Partitioned files can not be subjected to a change in client context

Action   Review programming practices for changing client contexts.

Subcode 36

Explanation   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.

Subcode 37

Explanation   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.

Subcode 39

Explanation   An `L1` (get next) command was issued but the supplied command ID is not currently
active.

Action   Review application program.

Subcode 45

Explanation   An error has occurred during the processing of a distributed `L3/L9` command against a
partitioned file.

Action   Contact your Software AG technical support representative and use the COR Debug
Event Monitor controls specifying Response 249 and this subcode to provide diagnostic
information.

Subcode 50

Explanation   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.

Subcode 51

Explanation   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.

Subcode 52

Explanation   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`.

Subcode 60

Explanation   A memory request failed.

Action   Review the memory availability of the

- host TP system;

- host operating system; and

- global common memory pool (BS2000 only; specified in the Adabas System Coordinator group definition).

Subcode 65

Explanation   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.

Subcode 70

Explanation   Support for the use of this API has been withdrawn.

Action   Please refer to the currently supported APIs or, alternatively, contact your Software AG technical support representative to discuss your requirements.

Subcode 72

Explanation   An ET Data related command has been issued, but the runtime control Database
                  Number for ET Data is not 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 to specifically identify the
                  database number to be used.

Subcode 74

Explanation   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.

Subcode 81

Explanation   An error has occurred during the processing of an L1 'get next' command against a
                  partitioned file.

Action   Contact your Software AG technical support representative and use the COR Debug
                  Event Monitor controls specifying Response 249 and this subcode to provide diagnostic
                  information.

Subcode 86

Explanation   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; or

                  ● is not running Adabas version 7 or above.

Action   Refer to the Adabas Vista installation procedures.

Subcode 96

Explanation   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 your Software AG technical support representative and use the COR Debug
                  Event Monitor controls specifying Response 249 and this subcode to provide diagnostic
                  information.

Subcode 106

Explanation   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.

Subcode 107

Explanation   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.

Subcode 108

Explanation   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.

Subcode 109

Explanation   Translation processing has detected a recursive redirection.

Action   Review the translation rules in use.

Subcode 112

Explanation   An error has occurred during the processing of the current command.

Action   Contact your Software AG technical support representative and use the COR Debug Event Monitor controls specifying Response 249 and this subcode to provide diagnostic information.

Subcode 116

Explanation   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 your Software AG technical support representative and use the COR Debug Event Monitor controls specifying Response 249 and this subcode to provide diagnostic information.

Subcode 117

Explanation   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.

Subcode 119

Explanation   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.

Subcode 120

Explanation   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.

Subcode 122

Explanation   An invalid partitioned file definition has been found in the Adabas Vista configuration file.

Action   Check the file definition using Adabas Vista Online Services.

Subcode 123

Explanation   An invalid translation rule has been found in the Adabas Vista configuration file.

Action   Check the rule using Adabas Vista Online Services.

Subcode 124

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

Subcode 126

Explanation   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.

Subcode 127

Explanation   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.

Subcode 128

Explanation   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.

Subcode 129

Explanation   The command limit defined for this source file has been exceeded.

Action   Review the command limit.

Subcode 131

Explanation   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.

Subcode 133

Explanation   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.

- A length override has been specified with complex search criteria.

Action   Review the use of the `L9` command and the Adabas Vista restrictions.

Subcode 134

Explanation   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.

Subcode 201

Explanation   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.

Subcode 496

Explanation   The session is not compliant with correct distributed transaction processing. Please refer to section Transaction Directives for a more detailed explanation of this subcode.

Action   Adhere to correct distributed transaction processing.