software AG

Adabas Fastpath

Messages and Codes

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Adabas Fastpath

Table of Contents

1 Adabas Fastpath Messages and Codes

This document describes the messages and response codes which may be encountered during Adabas Fastpath execution.

Adabas Fastpath Messages Format

Adabas Fastpath Messages

Adabas Response Codes

2 Adabas Fastpath Message Format

Unless suppressed, Adabas Fastpath messages are displayed on the operator console.

The messages have the following general format:

```
AFP-nnnn-ss  MESSAGE TEXT
```

where *nnnn* is the message number and *ss* is the (hexadecimal) severity code. Certain messages have additional information following the message text.

Console messages can be suppressed using the buffer parameter Message Level. For example, if Message Level is set to *0A*, any message with a severity code of 04 or 08 will not be printed.

The following table explains the general meaning of each severity level:

Severity Level	Explanation
00	Software AG use
04	Information only
08	Echo and confirmation
10	Warnings
14	Operator communication failure
18	Important buffer shutdown messages
20	Buffer initialization failure reasons
24	ABEND notification and information
FF	'Do not suppress' level

3 Adabas Fastpath Messages

AFP-0000-FF   **NO TEXT**

Explanation   This message is either

- an unexpected error; or
- an error created intentionally by ZAP.

Action   Report an unexpected error to Software AG.

AFP-0001-24   **ABEND PSW psw**

Explanation   Indicates an abnormal termination of the asynchronous buffer manager (ABM). The PSW is displayed at the point the ABM abended.

AFP-0002-24   **ABEND: NO PSW/REGS AVAILABLE**

Explanation   Indicates an abnormal termination of the asynchronous buffer manager (ABM). The PSW and registers were *not* available.

AFP-0003-24   **ABEND REGS - 4-GP-registers**

Explanation   Normally follows message 0001 and is repeated 4 times. Each time it is repeated, a different set of 4 GP registers is displayed.

AFP-0004-xx   **NEW BUFFER address, length, date, time**

Explanation   Indicates that a new buffer has been initialized and shows the buffer address, buffer length, starting date and time, all in hexadecimal.

Note: For this message only, the severity code shown (xx) is overwritten with the message level parameter.

AFP-0005-04	**INITIALIZATION FAILED**
Explanation	This is a warning that the buffer could not be initialized. It is preceded by a message showing the reason for failure.

AFP-0006-20	**AUTHORIZATION FAILURE**
Explanation	The operating system would not permit Adabas Fastpath to perform certain commands; for example, `GETMAIN`.
Action	Ensure that all AFPxxx and link modules are in an authorized library.

AFP-0007-10	**RSP 148, RETRY: rsp, svc,dbid, fnr**
Explanation	The Adabas Fastpath configuration file is not active. Adabas Fastpath will retry periodically. The Adabas response code and the configuration file SVC, DBID, and FNR are shown in hexadecimal.
Action	Check the status of the configuration file.

AFP-0008-20	**SYSFILE RESPONSE: rsp, svc, dbid, fnr**
Explanation	An invalid Adabas response code was encountered while trying to access the Adabas Fastpath configuration file. The response code and configuration file SVC, DBID, and FNR are shown, in hexadecimal.
Action	Check the status of the configuration file.

AFP-0009-20	**NO SYSFILE PARAMETERS: buffer-name**
Explanation	Global or member buffer parameters could not be found on the Adabas Fastpath configuration file for the buffer name shown.
Action	Check the status of the configuration file.

AFP-0010-20	**NO SYSFILE PARAMETERS: connected-buffer-name**
Explanation	Connected buffer parameters could not be found on the Adabas Fastpath configuration file for the buffer name shown.
Action	Check the status of the configuration file.

AFP-0011-20	**INVALID PARAMETERS: buffer-name**
Explanation	The parameters for the buffer name shown would require more memory than requested in the size parameter. Buffer initialization is terminated.
Action	Check the parameter values and adjust as necessary.

AFP-0012-20   **TRAP FAILURE: buffer-name**

Explanation   The asynchronous buffer manager (AFPABM) must be able to intercept any abnormal ABENDs to preserve operational integrity. Initialization failed for the buffer named while attempting to set the operating system ABEND trap.

AFP-0013-10   **ALREADY ACTIVE: buffer-name**

Explanation   An attempt was made to start the buffer named, which is already active.

AFP-0014-20   **GETMAIN FAILED: buffer-name**

Explanation   The operating system GETMAIN operation failed while initializing the named buffer.

AFP-0015-20   **SEGMENTATION FAILURE: buffer-name**

Explanation   A failure occurred during the preformatting stage of initialization for the named buffer.

AFP-0016-20   **FILE PARAMETER ERROR: buffer-name**

Explanation   An error occurred during file parameter initialization of the named buffer.

AFP-0017-20   **PARAMETER(S) OVERRIDDEN: buffer-name**

Explanation   The buffer parameter record on the Adabas Fastpath configuration file was updated sometime between the start and end of initialization for the buffer named.

AFP-0018-20   **BUFFER SIGNON FAILURE: buffer-name**

Explanation   Logon to the ID table failed. Possible reasons are as follows:

- the SVC specified in the named buffer parameters could not provide Adabas communication; or
- the database number defined for the buffer was already in use by a database or another buffer.

AFP-0019-08   **OPERATOR ENTERED: command**

Explanation   The specified command is valid and recognized by the asynchronous buffer manager.

AFP-0020-14   **INVALID OPERATOR COMMAND: command**

Explanation   The specified command is not recognized as a valid command.

AFP-0021-14   **COMMAND REJECTED: command**

Explanation   The specified command is valid but processing is rejected.

AFP-0022-FF   **STAT, SNAP, STOP, RESTART, NEWCOPY, HELP**

Explanation   Response to the `HELP` command.

AFP-0023-08   **SHUTDOWN ACTIVATED**

Explanation   The buffer is in the process of terminating. During this process, all tasks within the Adabas Fastpath buffer are allowed to complete normally and no new tasks are started.

AFP-0024-20   **NO CONNECTION TO BUFFER: buffer-name**

Explanation   Initialization for the specified buffer could not be completed because it was not possible to obtain a buffer session area for the asynchronous buffer manager.

AFP-0025-16   **SAMPLER MISSING: AFPLOOK-module-name**

Explanation   An attempt to load the specified AFPLOOK module failed.

AFP-0028-04   **NEWCOPY REQUEST**

Explanation   The database component accepted a `Newcopy` request.

AFP-0029-04   **DISCONNECT FAILURE**

Explanation   The database component could not successfully disconnect.

AFP-0030-04   **NO RECOVERY ACTION NEEDED**

Explanation   The buffer ended abnormally but no specific action was necessary to provide an orderly shutdown.

AFP-0031-18   **POSSIBLE ORPHAN: address-of-memory**

Explanation   An attempt to free memory after an abnormal termination failed. The attempted address is shown and should be the same as that portrayed in message 0004.

AFP-0032-18   **NOT FREED: address-of-memory**

Explanation   An abnormal termination occurred. The memory address shown appears to be invalid and should be the same as that portrayed in message 0004.

AFP-0033-18   **SIGNOFF FAILURE: address-of-memory**

Explanation   An abnormal termination occurred while attempting to log off from the Adabas ID table.

AFP-0034-08   **SNAP COMPLETED**

Explanation   The snap dump of the Adabas Fastpath buffer has completed successfully. This message is issued in response to a request to snap the contents of the buffer.

AFP-0035-10   **SNAP FAILED**

Explanation   The snap dump of the Adabas Fastpath buffer failed.

AFP-0036-14   **BUSY - PLEASE RETRY**

Explanation   Adabas Fastpath processes only one operator command at a time and one is already being processed.

Action   Resubmit the failed command.

AFP-0037-18   **JOB ACTIVE: job-name-and-number**

Explanation   AFPABM is attempting to stop but cannot do so until all jobs have released all Adabas Fastpath resources. The job named has not yet released resources and disconnected from the Adabas Fastpath buffer.

AFP-0038-08   **STATISTICS UNAVAILABLE**

Explanation   The database component disconnected successfully but could not log the final statistics.

AFP-0039-10	**LOG EVENT ERROR: ADABAS-cmd-code-and-rsp-code**
Explanation	An invalid Adabas response code was encountered while attempting to write a statistics log to the Adabas Fastpath configuration file. The Adabas command code and response code are shown in hexadecimal.

AFP-0040-04	**JOB REPORT: job-name, commands**
Explanation	If the job parameter `Job End Stats` is set to Y, AFPABM shows the above message when the named job completes. The message shows the job name and the total number of commands for the job seen by Adabas Fastpath. Messages 0041 and 0042 should follow.

AFP-0041-04	**DIRECT ACCESS: attempts, saved, RCs**
Explanation	This message follows either message 0040 or 0051. It shows the Adabas Fastpath direct access optimization attempts, the number of commands saved, and the number of associated `RC` commands saved.

AFP-0042-04	**SEQUENCE: attempts, saved, over-reads**
Explanation	This message follows either message 0040 or 0051. It shows the Adabas Fastpath read-ahead optimization attempts, the number of commands saved, and the number of commands that were not needed (over-reads).

AFP-0043-08	**STOP REQUESTED BY: userid**
Explanation	A buffer `STOP` request was issued from SYSAFP by the user shown.

AFP-0044-08	**RESTART REQUESTED BY: userid**
Explanation	A buffer `RESTART` request was issued from SYSAFP by the user shown.

AFP-0045-08	**LOG REQUESTED BY: userid**
Explanation	A `LOG` request was issued from SYSAFP by the user shown.

AFP-0046-08	**NEWCOPY REQUESTED BY: userid**
Explanation	A `NEWCOPY` request was issued from SYSAFP by the user shown.

AFP-0047-08   **SNAP REQUESTED BY: userid**

Explanation   A `STOP` request was issued from SYSAFP by the user shown.

AFP-0048-18   **OPERATOR CANCEL: FORCED SHUTDOWN**

Explanation   The buffer is being shut down due to an operating system cancel.

AFP-0049-08   **SCHEDULED FILE STOP time fnr / dbid**

Explanation   The file is subject to optimization by time period and a stop time period has been
                      reached. The scheduled stop time plus the file and database number are also shown.

AFP-0050-08   **SCHEDULED FILE START time fnr / dbid**

Explanation   The file is subject to optimization by time period and a new start time period has been
                      reached. The scheduled start time plus the file and database number are also shown.

AFP-0051-04   **BUFFER STATISTICS name, total-commands**

Explanation   This message is issued automatically at normal buffer end or when the operator
                      command `STAT` is issued. It shows the buffer name and the total number of commands
                      seen by Adabas Fastpath. It is followed by messages 0041 and 0042.

AFP-0052-04   **NEWCOPY LOADED**

Explanation   The database component successfully reloaded the Adabas Fastpath nucleus.

AFP-0053-20   **UNABLE TO LOAD FASTPATH MODULE: module-name**

Explanation   AFPABM was unable to load the module named in the message.

Action   Check that the Adabas Fastpath library is defined to the buffer start task and that it
                     contains the module named.

AFP-0054-20   **ERROR IN LOADED FASTPATH MODULE: module-name**

Explanation   AFPABM loaded the module named in the message but then found an error in it.

Action   Check that the version of Adabas Fastpath matches for AFPABM and the module
                     named.

AFP-0056-20	**UNABLE TO SEND UPDATES TO: daemon-name/node-id (SYSCO DAEMON) RSPnnnn**
Explanation	AFPADA cannot send updates to the SYSCO daemon named. In most cases, this indicates an Entire Net-Work problem.
Action	To maintain data integrity, stop or restart the named AFPABM hosted by the named SYSCO daemon.

AFP-0058-08	**File Notification: DB xxxxx File yyyyy FCA zzzzzzzz**
Explanation	The file housekeeping pulse has reinforced coherence settings that had been lost.
Action	Contact Software AG for assistance. An internal error is happening (which is being auto-corrected) but the cause needs to be investigated.

AFP-0059-04	**JOB REPORT: Job Number**
Explanation	If the job parameter `Job End Stats` is set to Y, Fastpath displays this message when the job completes. The message shows the job name and job number of the ending job (step).

AFP-0060-04	**THE DATE IS: date**
Explanation	This message is issued by the Adabas Fastpath buffer manager at startup and also at midnight.

AFP-0061-20	**COR GROUP NAME MISMATCH**
Explanation	The Adabas System Coordinator group name defined for the AFPABM does not match the group name defined for the host SYSCO daemon.
Action	Correct the group names in the defined parameters.

4 Response Codes

This section describes response codes which can be returned during Adabas Fastpath execution. The response code and its subcodes are returned in the rightmost two bytes of the Additions 2 field of the Adabas control block.

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 restore all Adabas control block fields except the Response Code field to the contents the fields held at the beginning of command execution.

Response 101

Explanation	This response code indicates that an Adabas Fastpath processing error has been detected during the processing of an Adabas command. 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 (Decimal)	Subcode (Hexadecimal)	Description
1	1	L9 sequence optimization encountered an unexpected COP2=I.
2	2	L3/L9 direct optimization internal error.
3	3	Internal call mechanism not functioning. User Exit B may have rejected the call.
4	4	Unexpected RC command during sequence optimization.
5	5	Sx command sequential optimization update error.
6	6	L3 direction change error.
7	7	Direction change integrity check error.

8	8	Default response to internal service commands in the database.
9	9	Optional response for Read Ahead Update warning messages.
10	A	Error following a PLEX move.