

# AAF\* - Adabas SAF Security Messages

The following message groups are described:

- AAF0\* - ADASAF Messages
  - AAF1\* - ADAEOPV Messages
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## AAF0\* - ADASAF Messages

### Overview of Messages

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AAF001 Unable to load required modules |
AAF002 Unable to allocate required storage |
AAF003 dbid Unable to allocate NRS storage |
AAF004 dbid Module xxxxxxxx not loaded |
AAF005 dbid Invalid parameters detected |
AAF006 dbid Allocation of user file cache failed |
AAF007 dbid INPUT PARAMETER |
AAF008 dbid Invalid parameter: INPUT PARAMETER |
AAF009 dbid Allocation of Password/Cipher Code cache failed |
AAF010 dbid Password/Cipher Code cache too small - increase MAXPC |
AAF011 dbid Error extracting Passwords/Cipher Codes from RACF |
AAF012 dbid Adabas SAF VX.X.X is active in XXXX mode |
AAF015 dbid Newcopy of Configuration module failed |
AAF016 dbid Newcopy reinitialization failed |
AAF017 dbid Not APF authorized |
AAF018 dbid No security details for job JOBNAME |
AAF019 dbid ADASAF initialization error(s) - Nucleus will terminate |
AAF020 dbid Unable to add ADASAF Smart Management PIN |
AAF021 dbid NOTOKEN is set - calls from unsecured clients are allowed |
AAF022 dbid Incompatible Configuration module detected |
AAF023 dbid Invalid xxxx parameter returned by ADASAFX2 |
AAF024 ADASAF installation error: SAFPMAC not linked REUSable |
AAF028 dbid SAF Kernel initialization error - Nucleus will terminate |
AAF029 dbid No access to class/resource |
AAF030 dbid Incompatible version of SAFKRN detected
```

#### AAF001 Unable to load required modules

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

**Action** Check that all required modules are available.

**AAF002 Unable to allocate required storage**

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

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

**AAF003 dbid Unable to allocate NRS storage**

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

**Action** Ensure that enough memory is available.

**AAF004 dbid Module xxxxxxxx not loaded**

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

**Action** Ensure that the module is available.

**AAF005 dbid Invalid parameters detected**

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

**Action** Correct the invalid parameters.

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

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

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

**AAF007 dbid INPUT PARAMETER**

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

**Action** None.

**AAF008 dbid Invalid parameter: INPUT PARAMETER**

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

**Action** Correct the invalid parameter.

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

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

**Action** Ensure that enough storage is available.

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

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

**Action** Increase the MAXPCC parameter.

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

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

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

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

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

**Action** None.

**AAF015 dbid Newcopy of Configuration module failed**

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

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

**AAF016 dbid Newcopy reinitialization failed**

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

**Action** Take the action recommended by the accompanying message.

**AAF017 dbid Not APF authorized**

**Explanation** ADASAF must run APF-authorized. Operation terminates.

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

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

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

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

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

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

**Action** Take the action recommended by the accompanying message.

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

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

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

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

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

**Action** None.

**AAF022 dbid Incompatible Configuration module detected**

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

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

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

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

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

The nucleus session terminates.

**Action** Correct your exit.

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

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

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

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

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

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

**AAF029 dbid No access to class/resource**

**Explanation** The execution security check made when starting a nucleus or utility has failed. The job abends U0042. *Class* and *resource* show the resource class and profile name against which the check was made.

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

**AAF030 dbid Incompatible version of SAFKRN detected**

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

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

## AAF1\* - ADAEOPV Messages

The following messages in response to operator commands may be issued by ADAEOPV, if you have linked it with ADAIOR.

### Overview of Messages

AAF101 SAF VIOLATION | AAF102 NO ADAEOPTB | AAF103 AAF NOT FOUND

#### AAF101 SAF VIOLATION

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

**Action** Review operator command security definitions for this Adabas nucleus.

#### AAF102 NO ADAEOPTB

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

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

#### AAF103 AAF NOT FOUND

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

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