

SAF Messages

This section contains a description of the SAF Security Kernel messages.

This document covers the following topics:

- Messages Displayed on the Operator Console and System Message Datasets
- Operator Command Messages
- Daemon Messages

Messages Displayed on the Operator Console and System Message Datasets

The following messages are displayed on the operator console and system message datasets. The messages may be issued by the SAF Security Kernel component (in a daemon, an Adabas nucleus, an Entire Net-Work node, or an Adabas SQL server) or by another product into which SAF Security is installed, such as Natural, Entire Broker, Entire Net-Work, or Adabas SQL Server.

Overview of Messages

SEFM001	SEFM002	SEFM004	SEFM006	SEFM008	SEFM009	SEFM013
SEFM014	SEFM015	SEFM016	SEFM017	SEFM020	SEFM021	SEFM025
SEFM026	SEFM028	SEFM029	SEFM030	SEFM031	SEFM049	SEFM050
SEFM051	SEFM255					

SEFM001 *SSSSSSSS : *user* : *resource*

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

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

Explanation An unexpected response code *XX* was received from the SAF Security Kernel for *user* when requesting function *FF* to be performed.

SEFM004 *NATURAL programs not extracted

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

Action Obtain a trace of SAF call RACROUTE EXTRACT from the security system and contact your Software AG technical support representative. ACF2 and Top Secret users should ensure that the protected programs have been extracted from the security system and supplied to the SAF Security Kernel via the SEFEXT DD statement in the daemon started task JCL.

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

Explanation The SAF Security Kernel returned Adabas response *XX* and subresponse *xx* to request *FF* for *user*.

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

SEFM008 *SAF Security Kernel (Vx.x) started

Explanation The SAF Security Kernel initialized successfully.

Action Information message only.

SEFM009 *Module MMMMMMMM not loaded

Explanation The SAF Security Kernel could not load the stated module.

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

SEFM013 *Less storage acquired than specified

Explanation The SAF Security Kernel was not able to allocate all the storage required to satisfy the buffer size specified in its parameters.

Action Operation continues.

Action Ensure region size is sufficient and parameters are appropriate.

SEFM014 *No storage could be acquired

Explanation The SAF Security Kernel could obtain no storage at system start-up.

Action Operation has terminated.

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

SEFM015 *Logic error - XXXX for request FF : user

Explanation The SAF Security Kernel suffered an internal error.

Action A general restart is performed and the operation continues.

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

SEFM016 *SAF logoff failed SSSSSSSS ACEE AAAA : user

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

Action Contact your Software AG technical support representative.

SEFM017 *Insufficient space to initialize - make Natural buffer XX

Explanation The Natural SAF interface requires a larger value to be specified for the length of IDMSBUF parameter.

Action Increase the Natural IDSIZE parameter or NSFSIZE if using Natural 4.1 or above.

SEFM020 *GETMAIN failed / IDSIZE error

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

Action Increase NATURAL region and/or thread size.

SEFM021 *Illegal storage use / relocation problem

Explanation Internal problem in NATURAL SAF storage use.

Action Contact your Software AG technical support representative.

SEFM025 *NATURAL IDMSBUF parameter is not defined

Explanation The Natural IDSIZE parameter has not been specified.

Action Ensure IDSIZE (or NSFSIZE if using Natural 4.1 or above) is set correctly in the Natural parameters.

SEFM026 *NATURAL protected programs not extracted code: XX

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

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

SEFM028 *System files not found in environment table

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

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

SEFM029 *Error in communications layer - check installation procedure

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

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

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

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

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

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

Action Contact your Software AG technical support representative.

SEFM049 *User type T not permitted by installed options

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

SEFM050 *Error writing SMF record : XX

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

SEFM051 *SAFPRINT dataset not defined, DDPRINT will be used

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

SEFM255 *Unauthorized use of request

Explanation Attempted illegal use of security request.

Action Contact your Software AG technical support representative.

Operator Command Messages

The following messages are displayed in response to operator commands being processed by the SAF Security Kernel.

Overview of Messages

SEFM900 | SEFM901 | SEFM909 | SEFM910 | SEFM911 | SEFM913 | SEFM914 |
SEFM916 | SEFM918 | SEFM919

SEFM900 * Operator issued command : XXXXXXXXX

Explanation SAF Security Kernel received the stated operator command.

Action Information message only.

SEFM901 * SAF Security Kernel - general statistics (at hhhhhhhh)**Explanation**

```
SEFM901 * SAF SECURITY KERNEL - SERVER STATISTICS (AT 12C47000)
SEFM902 * RESOURCE      CHECK(+VE)  CHECH(-VE)  CHECK  SAVED  OVERWRITES  LEN
SEFM903 * APPLICATION    10          0          0      0      0      8
SEFM903 * DBMS CHECK      0          0          0      0      0     17
SEFM903 * SYSMAIN        0          0          0      0      0     21
SEFM903 * SYSTEM FILE    2          0          0      0      0     40
SEFM903 * PROGRAM        0          0          0      0      0     17
SEFM903 * BROKER         0          0          0      0      0     68
SEFM903 * NET-WORK       0          0          0      0      0     17
SEFM903 * SQL SERVER     0          0          0      0      0     32
SEFM904 * USERS - ACTIVE: 1 FREE: 2051 OVEWRITES: 0
```

Operator command for general statistics was issued. The address in the first line is the address of the SAF Kernel's storage cache.

SEFM909 * SAF Gateway - shutdown initiated**Explanation**

Operator issued command to shut-down the daemon started task. This message is also issued when a secure Adabas nucleus, Net-Work node or Adabas SQL server terminates.

SEFM910 *SAF Gateway - list all active users**Explanation**

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

Operator issued command to display list of currently active users.

SEFM911 *userid . . .**Explanation**

```
SEFM911 * SJU           CHECK(+VE)  CHECH(-VE)  CHECK  SAVED  OVERWRITES  BUFF
SEFM912 * APPLICATION    10          0          0      0      0     10
EFM912 * DBMS CHECK      0          0          0      0      0      0
EFM912 * SYSMAIN        0          0          0      0      0      0
EFM912 * SYSTEM FILE    2          0          0      0      0      2
EFM912 * PROGRAM        0          0          0      0      0      0
EFM912 * BROKER         0          0          0      0      0      0
EFM912 * NET-WORK       0          0          0      0      0      0
EFM912 * SQL SERVER     0          0          0      0      0      0
```

Operator issued command to display statistics specific to a currently active user.

SEFM913 * No active users found in SAF Security Kernel**Explanation**

No active users were found in SAF Security Kernel.

SEFM914 * Requested user xxxxxxxx not found in SAF Security Kernel

Explanation The requested user was not found in the SAF Security Kernel.

SEFM916 * 129D2000 D5C1F2E2 C9C1F3F2 B79931B7 NA2SIA32.r..R.Y/

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

SEFM918 * Supplied address is outside of legal range

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

SEFM919 *Operator command did not contain required argument(s)

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

Daemon Messages

These informational messages are issued by the SAF Security Daemon during initialization:

Overview of Messages

SAFD04I | SAFD11I | SAFD12I | SAFD21I | SAFD14I | SAFD15I | SAFD40S |
SAFD42S | SAFD43S

SAFD04I Input parameter: XXX

Explanation The daemon echoes the values of the supplied DDCARD parameters.

SAFD11I SAF Kernel is active on node nnnnn sss CIB=aaaaaaaa

Explanation The daemon is now active and ready to receive security requests; nnnnn is the node ID, sss is the SVC number, and aaaaaaaaa is the address of the daemon's main storage area.

SAFD12I Oper type in: SAF xxxxx

Explanation Message 12I is issued before processing of an operator command.

SAFD21I Operator command processed successfully

Explanation Message 21I is issued after processing of an operator command.

SAFD14I Target nnnnn termination in progress

Explanation Message 14I is issued during daemon termination (nnnnn is the daemon's node ID).

SAFD15I Target nnnnn ended normally

Explanation Message 15I is issued during daemon termination (nnnnn is the daemon's node ID).

SAFD40S Abend *code Psw pppppppp pppppppp*

Explanation Message 40S is issued during abnormal termination. It shows the abend code, Program Status Word, module that abended and register contents.

In the event of an abend, please ensure you collect the messages, the dump and any trace messages or snaps that have been generated.

SAFD42S Module *module entry entry-point offset offset*

Explanation Message 42S is issued during abnormal termination. It shows the abend code, Program Status Word, module that abended and register contents.

In the event of an abend, please ensure you collect the message, the dump and any trace messages or snaps that have been generated.

SAFD43S Regs 00-03 *register contents*
Regs 04-07 *register contents*
Regs 08-11 *register contents*
Regs 12-15 *register contents*

Explanation Message 43S is issued during abnormal termination. It shows the abend code, Program Status Word, module that abended and register contents.

In the event of an abend, please ensure you collect the message, the dump and any trace messages or snaps that have been generated.