SEFMnnn-ADASAF SAF Interface Messages

SAF Return Codes

ADASAF displays an eight-byte code containing various return and reason codes from SAF. This information is shown in a number of messages denoted "ssssssss".

The ADASAF return code "ssssssss" contains the following structure:

Position	Information Content
Byte: 1	SAF return code
Byte: 2	Function code. ADASAF internal function codes (hex) include: 04 — Authorize Adabas access 44 or 6C — Authenticate user
Byte: 3	Return code from security system, for example RACF
Byte: 4	Reason code from security system, for example RACF
Bytes: 5 - 8	SAF reason code

Refer to the IBM manual External Security Interface (RACROUTE) Macro Reference manual for OS/390 and VM for a thorough explanation of all possible return/reason codes. CA-Top Secret and CA-ACF2 can provide different return code values in some circumstances.

The following message groups are described:

- SAF Interface Messages (SEFM001 - SEFM014)

- Operator Command Messages (SEFM900 - SEFM914)

SAF Interface Messages (SEFM001 - SEFM014)

Overview of Messages

SEFM001 | SEFM008 | SEFM009 | SEFM013 | SEFM014

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.

SEFM008   ***ADABAS SECURITY (Vv.r) STARTED**

Explanation: ADASAF start-up completed.

SEFM009   ***MODULE module-name NOT LOADED**

Explanation: ADASAF could not load the specified module.

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

SEFM013   ***LESS STORAGE ACQUIRED THAN SPECIFIED**

Explanation: ADASAF was not able to GETMAIN all the storage required to satisfy the buffer size specified in its parameters.

**System
Action:**   Operation continues.

User Action: Ensure that the region size is sufficient and parameters are appropriate.

SEFM014   ***NO STORAGE COULD BE ACQUIRED**

Explanation: ADASAF could obtain no storage at system start-up.

System Action: Operation has terminated.

User Action: Ensure that the region size is sufficient and system parameters are appropriate.

Operator Command Messages (SEFM900 - SEFM914)

The following messages are displayed in response to operator commands:

Overview of Messages

SEFM900 | SEFM901 | SEFM910 | SEFM911 | SEFM913 | SEFM914

SEFM900   *** OPERATOR ISSUED COMMAND : command**

Explanation: ADASAF received the specified operator command.

SEFM901   * SAF SERVER - GENERAL STATISTICS (at 034A5000)

Explanation: Operator command for general statistics was issued.

```
SEFM901 * SAF SERVER - GENERAL STATISTICS (AT 034A5000)
SEFM902 * RESOURCE    CHECK(+VE) CHECH(-VE) CHECK SAVED OVERWRITES LEN
SEFM903 * APPLICATION      1          0          0          0     8
SEFM903 * ADABAS           0          0          0          0    32
SEFM903 * SYSMAIN          0          0          0          0    13
SEFM903 * SYSTEM FILE      2          0          0          0    24
SEFM903 * PROGRAM          0          0          0          0    17
SEFM903 * BROKER           0          0          0          0    32
SEFM903 * NET-WORK         0          0          0          0     0
SEFM903 * SQL SERVER       0          0          0          0     0
SEFM904 * USERS - ACTIVE: 1 FREE: 55 OVEWRITES: 0
```

SEFM910   *SAF SERVER - LIST ALL ACTIVE USERS

Explanation: Operator issued command to display list of currently active users.

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

SEFM911   *userid . . .

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

```
SEFM911 * NXB         CHECK(+VE) CHECH(-VE) CHECK SAVED OVERWRITES  BUFF
SEFM912 * APPLICATION      1          0          0          0     0
SEFM912 * DBMS CHECK       0          0          0          0     0
SEFM912 * SYSMAIN          0          0          0          0     0
SEFM912 * SYSTEM FILE      2          0          0          0     0
SEFM912 * PROGRAM          0          0          0          0     0
SEFM912 * BROKER           0          0          0          0     0
SEFM912 * NET-WORK         0          0          0          0     0
SEFM912 * SQL SERVER       0          0          0          0     0
```

SEFM913   * NO ACTIVE USERS FOUND IN SAF SERVER

Explanation: No active users were found in ADASAF.

SEFM914   * REQUESTED USER user-id NOT FOUND IN SAF SERVER

Explanation: The requested user was not found in ADASAF.