



Tech Info Library

ABS Tech Note: DAL05 VTAM F-Messages (6/92)

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Security: Everyone

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TOPIC -----

This document provides a description and reference list of the F-messages generated under certain error conditions when using Apple's Data Access Language Clients and the DAL MVS/VTAM Server, V1.3.5.

DISCUSSION -----

Overview

During operation of the DAL MVS/VTAM Server, some conditions can occur that will generate an 'F-message'. These messages are related specifically to the operation of the server's subtasks or are used as a mechanism to pass back return codes from the system-level activities, such as the host security software (for example, RACF) during password authorization. F-messages are not issued for any errors that occur within the database subsystems, as each subsystem has its own suite of error codes.

F-Messages Generated by the Server

Each F-message that is generated by the server falls into one of the categories listed below. The majority of the F-messages are related to system security processing (such as password verification during logon). The other categories are:

- Errors received in 3270 datastream (3270 connections only). This means that an invalid or unexpected string was sent to the server while connected using 3270 protocols.
- Subtask abends. If the server detects an abend in the user subtask, an F-message will be generated to indicate that some unusual situation has occurred. Examine the host system logs for further information. These

can also be generated if the server itself is shutdown while sessions are still active.

- Memory allocation problems. If sufficient storage (memory) does not exist on the host for a new session to be started, one of these F-messages will be generated.

F-Messages Received by the Client

When an F-message is generated on the host, the numeric portion of the F-message will be returned to the client as a secondary error code. As an example, an APPC DAL session that uses "SNA•ps APPC" under System 7 and supplies an invalid password during logon receives an 'invalid password' return code from the system security package (for example, RACF). As a result, an F-message, 'F000000008 INVALID OR MISSING PASSWORD' is generated on the host. On the client, the error of '-10909 (8) SNAPSAPPC (DAL Preferences)' is generated. The '(8)' portion of the error code relates to the 'F000000008' error message on the host.

Message Numbers and Text:

- Errors received in 3270 datastream (3270 connections only):

F000000001 TERMINAL I/O ERROR

- Security-related errors:

F000000004 UNAUTHORIZED OR MISSING USERID
F000000008 INVALID OR MISSING PASSWORD
F000000012 PASSWORD HAS EXPIRED
F000000016 NEW PASSWORD IS INVALID
F000000020 USER NOT DEFINED TO GROUP
F000000024 RACINIT FAILED
F000000028 ACCESS HAS BEEN REVOKED
F000000032 RACF NOT ACTIVE
F000000036 GROUP ACCESS REVOKED
F000000040 OIDCARD REQUIRED
F000000044 OID CARD INVALID
F000000048 USER NOT AUTHORIZED FOR TERMINAL
F000000052 USER NOT AUTHORIZED FOR APPLICATION
F000000100 USERID IN USE

- Subtask abends:

F000000104 SERVER TERMINATED ABNORMALLY
F000000108 SERVER TERMINATED BY CANCEL
F000000112 SERVER TERMINATED BY CLOSEDOWN

- Memory allocation problems:

F000000116 INSUFFICIENT STORAGE FOR EXECUTION

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