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

Article Created: 30 June 1992

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
```

Copyright 1993, Apple Computer, Inc.

Keywords: <None>

===

This information is from the Apple Technical Information Library.

Tech Info Library Article Number: 11632