

IBM Education Assistance for z/OS V2R1

Item: TSO/E Logon Failure Messages

Element/Component: BCP Allocation



Agenda

- Trademarks
- Presentation Objectives
- Overview
- Usage & Invocation
- Presentation Summary



Trademarks

- See url <http://www.ibm.com/legal/copytrade.shtml> for a list of trademarks.



Presentation Objectives

- Discuss TSO/E Logon Failure Messages:
 - Function
 - Value



Overview

▪ Problem:

- MVS Device Allocation is used in many environments:
batch jobs, subsystems, TSO logon, etc.
- Messages issued by Allocation are sent to JOBLOG by default
- TSO users can use SDSF (for example) to view the JCL messages created during TSO logon processing
- However, errors can occur during logon:
 - Data set deleted or authorization fails
 - Bad change made to the LOGON PROC
 - To see an error that occurs during LOGON, JOBLOG messages must be examined by a friend with access or system programmer to see what went wrong.



Overview

- Solution:

- With this item, device allocation messages issued during TSO LOGON processing will be sent to both the JOBLOG and the TSO console

- Value:

- Allows user to see logon failure messages unassisted, potentially allowing user to correct problem
 - reduced outage time, reduced system programmer intervention



Usage & Invocation

- All TSO LOGONs will automatically receive allocation failure messages
 - No explicit invocation needed
 - Example: Data set not found (note IEFA107I replaced IEF212I)

```
IKJ56455I SPFUSER LOGON IN PROGRESS AT 11:01:36 ON APRIL 30, 2012
IEFA107I SPFUSER ISPFPROC SDBISPF0 SDBSTUF - DATA SET GARBAGE NOT FOUND
IKJ56457I LOGON FAILED ALLOCATION UNSUCCESSFUL
IKJ56470I SPFUSER LOGGED OFF TSO AT 11:01:36 ON APRIL 30, 2012
IKJ56400A ENTER LOGON OR LOGOFF-
```

- Example: Data set in offline user catalog

```
IKJ56455I SPFUSER LOGON IN PROGRESS AT 14:20:55 ON MAY 3, 2012
IEFA102I UNABLE TO LOCATE SDB.DS01
FROM PRIVATE CATALOG IBMUSER.SDB.UCAT
IEF361I SPFUSER ISPFPROC SDBISPF1 - UNABLE TO ALLOCATE / OPEN PRIVATE CATALOG OR
ALLOCATE CVOL
IKJ56457I LOGON FAILED ALLOCATION UNSUCCESSFUL
IKJ56470I SPFUSER LOGGED OFF TSO AT 14:21:01 ON MAY 3, 2012
IKJ56400A ENTER LOGON OR LOGOFF-
```



Usage & Invocation

- The following types of messages will not be sent to the TSO console:
 - Allocation success messages
 - e.g. IEF236I, IEF237I, IGD101I, IGD103I, IGD104I, IEF285I etc.
 - JCL processing messages:
 - e.g. IEFC001I
 - JCL syntax error message:
 - e.g. IEFC605I UNIDENTIFIED OPERATION FIELD
 - or IEFC621I EXPECTED CONTINUATION NOT RECEIVED



Presentation Summary

- Allocation failures during TSO LOGON processing, such as DATA SET NOT FOUND or VOLUME NOT AVAILABLE that could not be diagnosed easily in the past can not be seen on the TSO LOGON screen.

