

IBM Education Assistance for z/OS V2R1

Item: FORCE TCB Command

Element/Component: BCP/Consoles



Agenda

- Trademarks
- Presentation Objectives
- Overview – FORCE TCB
- Usage & Invocation – FORCE TCB
- Installation – FORCE TCB
- Presentation Summary
- Appendix



Trademarks

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



Presentation Objectives

FORCE TCB

- New option on the FORCE command to terminate a hung task
- New ASCB bit to prevent command from terminating a TCB in the address space
- IBM Service Level 2 guidance required to identify the hung task



Overview - FORCE TCB

Problem Statement / Need Addressed

Need the ability to terminate unresponsive tasks holding critical system resources.

Solution

- Enhance the FORCE command to allow a directed termination of a task within a specified unit of work.

Benefit / Value

- Replaces the Level 2 provided CALLRTM program which would accomplish the same thing, but required customization and installation.



Usage & Invocation - FORCE TCB

FORCE *workunit*,TCB=*tttttt*[,RETRY=NO|YES] [,A=*asid*]

An address space can protect itself from the FORCE TCB command by turning on the ASCBNOFT bit.

- When ON, the FORCE TCB command will be rejected when attempting to terminate a task in that address space.

RETRY= indicates if the task's recovery processing is allowed to retry.

The task is terminated with a new code of ABEND80D RSN01



Installation – FORCE TCB

- New command security resource names that require CONTROL authority:
 - MVS.FORCETCB.JOB.jobname
 - MVS.FORCETCB.STC.mbrname.id
 - MVS.FORCETCB.TSU.userid
 - MVS.FORCETCB.DEV.device
 - MVS.FORCETCB.STC.mbrname.jobname



Presentation Summary

FORCE TCB

- If your tasks cannot support remote termination, set the ASCB bit (ASCBNOFT) to exempt your tasks



Appendix

- *z/OS V2R1 MVS System Commands (SA38-0666)*
 - FORCE TCB

- *z/OS MVS Data Areas (GA32-0935)*
 - ASCBNOFT bit

