

# z/OS Console Simulations

Interskill's new z/OS Console Simulations provide real world expertise and hands-on practice at monitoring z/OS system activity and resolving day-to-day z/OS system issues using console commands.

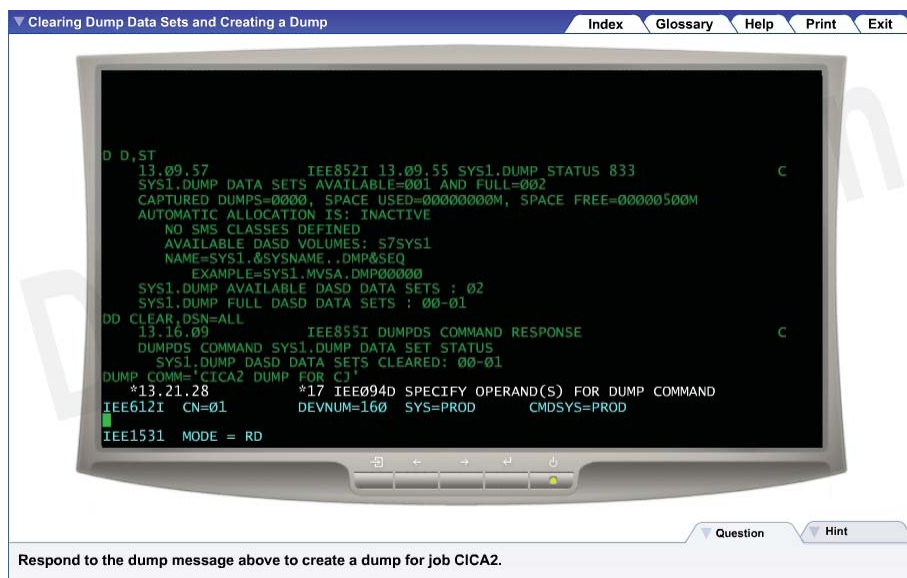
Though these 'console skills' are used less and less given the degree of automation on today's mainframe systems, they remain of vital importance to all mainframe data-center personnel.

The mainframe industry's seasoned veterans possess skills, knowledge and years of experience on a mainframe console, yet many current generation mainframers have little or no experience. Given that over 30% of the mainframe data-center workforce is due to retire in the next 5 years, there could be no better time than NOW to inexpensively train the next generation of mainframers in this essential discipline.

## CONSOLE SIMULATIONS CUSTOMIZED TO YOUR SYSTEM

Even though many mainframe data centers run basically the same software, different configurations and the effects of specific processes result in many variations. Errors produced are unique to your organization.

Interskill's console simulations can be quickly and simply customized to mimic your environment. Just think of the value of having your team well practiced at a manual IPL and Shutdown on YOUR SYSTEM!



Respond to the dump message above to create a dump for job CICA2.

## WHY TRAIN USING CONSOLE SIMULATIONS?

Imagine the Following Occurring in Your Data Center

### Automation Failure

Following a system upgrade, the automatic IPL startup procedure fails and products need to be started manually and in the correct order.

### Commands incorrectly entered when stopping a product/application

Entering the wrong command (such as a FORCE) to bring down a product can result in data being corrupted and in certain situations even an IPL being required.

### JES Problems

Your batch processing relies on a healthy JES system, so what action needs to be taken when JES hangs, encounters a resource shortage or fails with a catastrophic error?

Unless appropriate and concise action is taken:

- network connections may not be able to communicate with each other
- batch job processing will be delayed
- important system messages may be lost, making it difficult to diagnose problems
- the system may experience degradation



# Simulations

<b>z/OS MVS Command Simulations</b>		<b>(3 hours)</b>
Simulation 1	Displaying and Cancelling Jobs	
Simulation 2	Checking for Enqueues and Outstanding Requests	
Simulation 3	Displaying and Modifying SMF Attributes	
Simulation 4	Recovering from Full SMF Data Sets	
Simulation 5	Modifying TSO Access	
Simulation 6	Defining a Tape Device as Autoswitchable	
Simulation 7	Varying an Offline Tape Device back Online	
Simulation 8	Swapping a Tape from one Drive to another	
Simulation 9	Configuring Console Attributes	
Simulation 10	Varying a DASD Device Offline and Online	
Simulation 11	Clearing Dump Data Sets and Creating a Dump	
Simulation 12	Canceling a TSO User	
Simulation 13	Configuring a CPU Online and Displaying its Status	
Simulation 14	Configuring a Channel Path Online & Varying a DASD Device Online to that Path	

<b>JES2 Command Simulations</b>		<b>(2 hours)</b>
Simulation 1	Responding to a JES2 Abend	
Simulation 2	Shutting Down JES2 as a Result of it Stalling on Initialization	
Simulation 3	Recovering from a JES2 Resource Shortage	
Simulation 4	Recovering from a JES2 Spool Shortage	
Simulation 5	Invoking the JES2 Checkpoint Reconfiguration to Redefine Primary & Alternate Data Sets	
Simulation 6	Diagnosing and Resolving RJE Line Problems	
Simulation 7	Displaying and Modifying Printer Attributes	
Simulation 8	Modifying the Status of Job Queues to Avoid Batch Jobs Running in an Incorrect Order	

<b>CICS Command Simulations</b>		<b>(2 hours)</b>
Simulation 1	Identify and Purge Tasks That are Looping	
Simulation 2	Identify and Resolve Resource Enqueues	
Simulation 3	Resolving Problems Associated with Terminal Connections	
Simulation 4	Disabling and Enabling Transactions	
Simulation 5	Performing a CICS Dump and Auxiliary Trace	
Simulation 6	Displaying and Enabling a CICS File	
Simulation 7	Shutdown and Start-up of CICS	

<b>VTAM Command Simulations</b>		<b>(2 hours)</b>
Simulation 1	Running a Trace on a Node	
Simulation 2	Displaying Attributes of Major and Minor Nodes and the Users Logged onto them	
Simulation 3	Displaying Storage Attributes and Buffer Use	
Simulation 4	Displaying Terminal and TSO User Attributes	
Simulation 5	Displaying Cluster Information	
Simulation 6	Displaying Line and Channel Link Information	
Simulation 7	Shutdown and Start-up of VTAM	

<b>z/OS System Shutdown and IPL Simulations</b>		<b>(1 hour)</b>
Simulation 1	Operator Responses & Commands associated with a Manual z/OS System Shut-down	
Simulation 2	Operator Responses & Commands associated with a Manual z/OS System Start-Up	