IBM System z Hardware Management Console (HMC) Operations

Duration: 2 Days   Course Code: ES24G

Overview:

This course teaches you navigation, operation, and recovery techniques for the Hardware Management Console (HMC) in the System z environment. Through lecture and hands-on exercises, you learn setup and operating procedures for the HMC, gain in-depth problem determination skills, practice HMC operations, and utilize recovery capabilities provided by the System z servers.

Target Audience:

This course is for operations personnel and technical staff who are directly involved in the installation, operation, systems support, and software support of their System z mainframe environment.

Objectives:

- Identify the zEnterprise 196, System z10, System z9, and zSeries servers

- Describe the major differences of the function and features between the System z servers

- Identify and explain the concept of logical partitioning, initialization, and the operational usage of the various types of channels on current servers

- Describe the functions provided by the HMC and SE

- User interface styles, local and remote connectivity

- Identify HMC home page to log on HMC application

- Use the classic UI to:

- Log on and log off

- Open objects

- Navigate the HMC workplace using various selection techniques

- Exit a task on a window

- View the online books and use the Help functions

- Identify the different types of groups

- CPC group, control hardware

- Images group, control operating system

- Build new CPC and images groups

- Identify the contents of the Details window and determine object status

- Identify the various task lists

- Use the tree UI to:

- Log on and log off

- View the online books and use the Help functions

- Identify the different types of groups

- CPC group, control hardware

- Images group, control operating system

- Build new CPC and images groups

- Identify the contents of the Details window and determine object status

- Identify the various task lists

- Identify recent HMC Tree style enhancements

- Monitor all defined CPCs

- Determine the cause of exceptions

- Use the Hardware Messages task

- Use the Operating Systems Messages task

- Use ACSADMIN tasks

- Describe the purpose, functions and use of the different types of activation profiles

- Use the HMC to build and assign profiles

- Provide operational recommendations for HMC user settings

- Use the HMC to perform operational tasks and problem determination

- Invoke the system activity display and describe its purpose

- Establish an HMC/SE session using the Single Object Operations task

- Identify the difference between the HMC and SE workplace

- Open objects
- Navigate the HMC workplace using various selection techniques
- Exit a task on a panel

- Navigate using classic or tree UI to Identify CP, channel, and CHPID status for the physical CPC and all LPs
- Identify the entry point for I/O and Channel Problem Determination panels
- Log off from a CPC session

Prerequisites:

You should have an understanding of:

- Basic data processing and I/O concepts and terminology
- z/OS console operation, including display of device, job, and console status

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Content:

Day 1

- Welcome
- Unit 1: IBM mainframe server hardware overview
- Unit 2: Using the HMC Classic style user interface
- Unit 3: Using the HMC Tree style user interface
- Unit 4: Using the HMC to monitor System z servers
- Supporting labs

Day 2

- Review
- Unit 5: Activation profiles and operational tasks
- Unit 6: Single Object Operations: CPC session
- Supporting labs

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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