



## TRAINING OFFERING

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# IBM System z Hardware Management Console (HMC) Operations

CODE:	LENGTH:	PRICE:
ES24G	2 day(s)	£1,300.00

## Description

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.

## Objectives

Identify the zEnterprise 196 and 114, System z10, System z9, and zSeries servers

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

Describe and explain the concept of logical partitioning Identify how various resources are assigned to LPARs during initialization

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

Describe how exceptions are reported and presented on the HMC using the tree or classic UI

Use the HMC to determine the type and cause of the exception

Describe the three types of hardware messages that can surface on the HMC

Use the HMC to determine the cause of the hardware message Retrieve the hardware messages from the log

Use the HMC Operating System Messages task to display and send messages to the operating system

Describe the functions that require the use of the access administrator ID

Use the HMC to perform access administrator related tasks

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

- Reset profile
- Image profile
- Group profile
- Load profile

Use the HMC to build new profiles, modify, view, or delete existing ones

Use the HMC to determine or change profile assignments Provide operational recommendations for HMC user settings

Use the HMC to perform

- A manual load operation
- A system reset
- Problem determination for a load failure

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

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

## Audience

This intermediate 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.

## Training Development

Roadmaps that reference this course are:

- [z/OS Operation and Parallel Sysplex](#)
- [z/OS Operation and Parallel Sysplex](#)
- [z/OS Installation, Tuning, JES, and REXX Programming and Problem Diagnosis](#)

## 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

## Programme

### 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 operation: CPC session Supporting labs

## Further Information

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process: <http://w3.ibm.com/services/gbs/evita/BCSVTEnr1.nsf>

Once you enroll in a GTP class, you will receive a confirmation letter that should show:

- The current GTP list price
- The 20% discounted price available to IBMers. This is the price you will be invoiced for the class.

## Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
19 Sep 2022	London - Dowgate Hill	BST	English	Classroom		£1,300.00
19 Sep 2022	Virtual Classroom	BST	English	Instructor Led Online		£1,300.00

## Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)