

# MAINFRAME Z/OS ADMIN

COURSE CURRICULUM | COURSE CODE C011

9

MODULES

40-50 hrs

TOTAL INSTRUCTION

EVILT

DELIVERY METHOD

None

PREREQUISITES

## Z/OS ADMINISTRATION CURRICULUM

MODULES 1 - 3

MODULE  
1

Introduction to  
Mainframes

- Introduction to Mainframes Fundamentals and Types of computers
- Features and Characteristics of Mainframe Mainframe Terminologies
- MVS, Evolution of Operating Systems MVS Architecture & Concepts
- Data Management & Subsystems Catalogs, System Library, Sub systems Types of Datasets
- Mainframe Basic login and navigation IPL Process, Cold/Warm/Quick Start

MODULE  
2

SDSF

- SDSF (Spool Navigation, Viewing the JOB's output, JOB status) SDSF Initiators Panel, Initiators, Classes
- ULog, System Requests SDSF Display Commands WTO/WTOR
- Messages
- Cancelling, Holding and Releasing a Job

MODULE  
3

DB2 and CICS  
Overview

- Introduction to Database (Hierarchical, Network & Relational) Introduction to DB2, DB2 components
- DB2 Utilities & SQL codes
- Introduction to Online systems (CICS) CICS concepts & System components CICS common issues and resolution

## Z/OS ADMINISTRATION CURRICULUM

## MODULES 4 - 5

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| <b>MODULE 4</b> | <b>Mainframe Operations</b> | <ul style="list-style-type: none"> <li>Overview of System Z servers, Z/OS functional group concepts System Z speciality engines, Z/Architecture overview Common mainframe</li> <li>terms, Processor types, HMC / LPAR</li> <li>Z/OS MVS commands, operator display &amp; vary commands</li> <li>Channel path and I/O status, message format</li> <li>Z/OS address space; D A,L / D A,A / D U / D M=DEV / D M=CPU</li> <li>JES2 job processing, controlling jobs &amp; printers</li> <li>Z/OS console operations, MCS console, authority levels</li> <li>Console display command, review SYSLOG</li> </ul> |
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| <b>MODULE 5</b> | <b>JES2 Operations</b> | <ul style="list-style-type: none"> <li>Batch Processing; JES2 &amp; other products - how they relate Starting &amp; Stopping z/OS &amp; JES2</li> <li>Input/Output Devices; Reading Jobs &amp; Queue Management</li> <li>Phases of JES; JES2 Checkpoint Datasets &amp; Configuration</li> <li>JES commands; Monitoring console messages</li> <li>Spool maintenance</li> </ul> |
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| <b>MODULE 6</b> | <b>Subsystem Overview</b> | <ul style="list-style-type: none"> <li>Element and subsystem; types, primary &amp; secondary subsystem Overview of Z/OS</li> <li>subsystems: TSO, SDSF, ISPF, VTAM, CICS, DB2</li> <li>Basic commands related to DB2, CICS and IMS/JES2 Understanding system shutdown &amp; startup process (IPL)</li> <li>Automation shutdown standards &amp; phases; Sysplex management</li> <li>HMC; automation startup phases &amp; problem management</li> </ul> |
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| <b>MODULE 7</b> | <b>House Keeping Datasets and Others</b> | <ul style="list-style-type: none"> <li>MVS physical hardware addresses &amp; message identifiers Product license codes</li> <li>Master catalog; master catalog address space Understanding WTORs</li> <li>and System dumps</li> <li>SMF Concepts; MAN Data set creation; SMFPRMxx member</li> <li>Taking Dump from SMF data set; creating customized report</li> <li>LOGREC Log Stream</li> </ul> |
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| <b>MODULE 8</b> | <b>SMP/E Workshop</b> | <ul style="list-style-type: none"> <li>SMPE Introduction and Terminology</li> <li>SMPE Datasets &amp; JCL; SMPE Commands &amp; Dialogs Sysmod</li> <li>Installation &amp; Exception Sysmods</li> <li>The Consolidated Software Inventory</li> <li>Listings and Reports</li> </ul> |
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| <b>MODULE 9</b> | <b>RACF</b> | <ul style="list-style-type: none"> <li>Create User</li> <li>Groups Create</li> <li>User Profiles</li> <li>Create Users</li> <li>Allocate Access</li> <li>RACF Commands</li> </ul> |
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