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MAINFRAME Z/OS ADMIN

COURSE CURRICULUM | COURSE CODE C011

9	40-50 hrs	Self Learning	None
MODULES	TOTAL INSTRUCTION	DELIVERY METHOD	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

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Z/OS ADMINISTRATION CURRICULUM — MODULES 4 - 5

MODULE 4	**Mainframe Operations**	• Overview of System Z servers, Z/OS functional • group concepts System Z speciality engines, Z/Architecture overview Common mainframe • terms, Processor types, HMC / LPAR • Z/OS MVS commands, operator display & vary commands • Channel path and I/O status, message format • Z/OS address space; D A,L / D A,A / D U / D M=DEV / D M=CPU • JES2 job processing, controlling jobs & printers • Z/OS console operations, MCS console, authority levels • Console display command, review SYSLOG
MODULE 5	**JES2 Operations**	• Batch Processing; JES2 & other products - how • they relate Starting & Stopping z/OS & JES2 • Input/Output Devices; Reading Jobs & Queue Management • Phases of JES; JES2 Checkpoint Datasets & Configuration • JES commands; Monitoring console messages • Spool maintenance
MODULE 6	**Subsystem Overview**	• Element and subsystem; types, primary & • secondary subsystem Overview of Z/OS • subsystems: TSO, SDSF, ISPF, VTAM, CICS, DB2 • Basic commands related to DB2, CICS and IMS/JES2 Understanding system shutdown & startup process (IPL) • Automation shutdown standards & phases; Sysplex management • HMC; automation startup phases & problem management
MODULE 7	**House Keeping Datasets and Others**	• MVS physical hardware addresses & message • identifiers Product license codes • Master catalog; master catalog address space Understanding WTORs • and System dumps • SMF Concepts; MAN Data set creation; SMFPRMxx member • Taking Dump from SMF data set; creating customized report • LOGREC Log Stream
MODULE 8	**SMP/E Workshop**	• SMPE Introduction and Terminology • SMPE Datasets & JCL; SMPE Commands & Dialogs Sysmod • Installation & Exception Sysmods • The Consolidated Software Inventory • Listings and Reports
MODULE 9	**RACF**	• Create User • Groups Create • User Profiles • Create Users Allocate Access • RACF Commands