

COURSE ABSTRACT

Course Code

- C011

DELIVERY METHOD

- Ez-Learn Virtual Instructor Led Training (EVILT)

COURSE DURATION

- 40-50 Hrs

PREREQUISITES

- None

RECOMMENDED TRAININGS

- Batch of People (Online)

Mainframe Z/OS Admin

Course Overview

1. Learn from fundamentals to advanced concepts on administering Mainframe Hardware.
2. Learn tips and tricks on trouble shooting issues
3. Learn the fundamentals and lay a strong foundation for learning Advanced ZOS/Database Administration

Target Audience

1. Software Engineers who are in prod support can kick start their career in Admin
2. Software Testers can kick start their career in Admin
3. Software Developers who wanted to move to Administration.
4. Software Mainframe Admin Engineers who wanted to refresh their knowledge in Admin

COURSE ACTIVITIES

- Expert Trainers who have real time experience in managing Mainframe hardware
- All Basic to Advanced concepts required for industry is covered in the course
- All common trouble shooting tips and tricks are covered as a part of the course
- You will be trained on Interview Preparation to crack any tough Interview
- Job Assistance is provided on completion of the course

Mainframe z/OS Admin -LEARNING PATH

<https://www.ez-learn.global/zos-admin/>

Course Modules

Program coverage		
SL.no	Module	Topics
1	Introduction to Mainframes	Course Contents: • Introduction to Mainframes • Fundamentals and Types of computers • Features of Mainframe • Characteristics of Mainframe • Mainframe Terminologies • MVS • Evolution of Operating Systems • MVS Architecture • MVS Concepts • Data Management & Subsystems • Catalogs • System Library • Sub systems • Types of Datasets • Mainframe Basic login and navigation • IPL Process • Cold/Warm/Quick Start
2	SDSF	Course Contents: • 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 a Job

		• Holding a Job • Releasing a Job
3	DB2 and CICS Overview	Introduction to Database (Hierarchical, Network & Relational databases) • Introduction to DB2 • DB2 components • DB2 Utilities & SQL codes • Introduction to Online systems (CICS) • CICS concepts & System components • CICS common issues and resolution
4	Mainframe Operations	Course Contents: • 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 COMMAND TO DISPLAY AND CHANGE • CHANNEL PATH AND I/O STATUS - Z/OS OPERATOR DISPLAY COMANDS • Z/OS OPERATOR VARY COMMANDS • MESSAGE FORMAT • Z/OS ADDRESS SPACE • D A,L COMMAND • D A,A COOMAND • D U COMMAND • D M=DEV COMMAND D M=CPU COMMAND • JES2 JOB PROCESSING • STARTING JES2 • CONTROLLING JOBS • CONTROLLING PRINTERS • Z/OS CONSOLE OPERATIONS • MCS CONSOLE • CONSOLE USAGE • CONSOLE AUTHORITY LEVELS • CONSOLE DISPLAY COMMAND • REVIEW SYSLOG
5	JES2 Operations	Course Contents: • 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 • JES2 Configuration • JES commands • Monitoring console messages • Spool maintenance
6	Subsystem Overview	Course Contents: • ELEMENT AND SUBSYSTEM • DIFFERENT TYPES OF SUBSYSTEM • PRIMARY AND SECONDARY SUBSYSTEM • OVERVIEW OF DIFFERENT SUBSYSTEMS OF Z/OS • TSO • SDSF • ISPF • VTAM • CICS • DB2 • BASIC COMMANDS RELATED TO DB2, CICS AND IMS/JES2 • UNDERSTANDING SYSTEM SHUTDOWN PROCESS (IPL) • UNDERSTANDING SYSTEM STARTUP PROCESS (IPL) • AUTOMATION SHUTDOWN STANDARDS • AUTOMATION PHASES DURING SHUTDOWN • SYSPLEX MANAGEMENT • HMC • AUTOMATION STARTUP PHASES • AUTOMATION PROBLEM MANAGEMENT
7	House Keeping datasets and others	Course Contents: • MVS physical hardware addresses • MVS specific message identifiers • Product license codes • Master catalog; master catalog address space • Understanding WTORs • Understanding System dumps • SMF Concepts • MAN Data set creation • SMFPRMxx member explanation • Taking Dump from SMF data set • Creating customized report • LOGREC Log Stream
8	SMP/E Workshop	• SMPE Introduction and Terminology • SMPE Datasets & JCL • SMPE Commands • SMPE Dialogs • Sysmod Installation & Exception Sysmods • The Consolidated Software Inventory • Listings and Reports

9	RACF	• Create User Groups • Create User Profiles • Create Users • Allocate Access • RACF Commands
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