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IBM z/OS Bootcamp

Information

**Length:** 80.0 Hours

**Ref:** ESZ0G □

**Delivery method:** Classroom

**Price:** AUD

Overview

This course is designed to give new hire IT professionals an introduction into the IBM Z environment. The IBM mainframe servers, operating systems and software products will be discussed. Through lecture and hands-on labs, this course will provide the basic skill set to jump start productivity for technical professionals who are new to the mainframe environment. The skills taught in this course can be applied across multiple mainframe job roles. This course consists of 16 lecture units and 11 lab exercises.

Public

This basic class is intended for the technical professional that is new to the mainframe environment.

Prerequisites

You should have an understanding of:

- Basic data processing concepts
- I/O concepts

Topics

- Mainframes and distributed server comparisons: Why so many servers?
- Mainframe directions: Past, current, and future
- Mainframes: System z introduction and relative performance comparisons
- IBM System z hardware design: Frames, CEC cage, books, models and MSUs
- I/O Infrastructure and processor usage: zEC12 to z10 comparisons
- System z Capacity on Demand
- Physical/Logical partitioning, server initialization, and CHPIDs
- I/O configuration and HCD overview
- MVS to z/OS software overview
- z/OS Parallel Sysplex
- z/OS enhancements on the zPlatform
- z/Architecture overview and virtual addressing concepts

- System concepts: The big picture
- HMC introduction, groups, and activation profiles
- Determining object status and error conditions
- Activation and operating system interface
- z/OS base elements and optional features
- z/OS system programming
- z/OS system libraries
- Data center components and trends
- TSO/E and ISPF/PDF
- Data sets and accessing with ISPF/PDF
- ISPF/PDF editor
- Copy/Move/Rename/Delete
- Data Set List
- TSO/E commands and TSO/E programming
- Introduction to JES and JCL
- JOB, EXEC, and DD statements
- DD parameters
- Traditional applications
- Programming languages
- Object technology
- System-level-security
- Network-level security
- Transaction-level security
- Directory services
- z/OSMF
- SDSF
- Working with UNIX System Services
- Introduction to utilities and conditional execution
- Data management, organization, and format
- Generation data groups
- Procedures
- More about utilities
- More on procedures
- Selected JCL topics
- SORT and MERGE
- ABENDs