Course Outline

IBM z/OS Bootcamp - ESZ0G

Course Summary

Description

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.

Topics

Describe and categorize the various servers that are commonly found in data centers Identify and describe workloads that are commonly used on mainframes and distributed servers Describe a typical data center with multiple server platforms: Why so many servers Current concerns and considerations Potential future actions Identify when the first IBM general purpose mainframe was introduced Describe several key IT and mainframe strategies introduced in the 2000s Identify current and future data center trends Describe why smarter systems are required to meet future requirements Introduce the zEnterprise System and describe how it can apply to current and future business requirements Describe the basic functions, characteristics, and terminology of System z servers Identify and list the various System z servers and hardware models, from zSeries server to the latest zEnterprise EC12 Identify the number of CPs and specialty processors available to various System z servers List relative performance of recent System z servers as compared to previous servers Identify and list IBM mainframe servers supporting multiple channel subsystems and z/Architecture Identify key components of the zEnterprise System and their purpose Describe and compare various System z components: Frame layout and cage usage Server models, books, memory, and cache structure Performance and millions of service units (MSUs) Describe and compare I/O infrastructure and processor usage across zEC12 to z10 mainframes I/O cages, drawers and technology used PU, cache, and book fan-out connectivity Describe how and what System z physical components are used when processing instructions and performi

Audience

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

Duration

10 Days

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