

Linux on z/VM Systems Programming Workshop

Course Summary

Description

This course is an intensive workshop for acquiring Linux knowledge and skills on z/VM. A series of exercises on a live z/VM system coupled with demonstrations are used to reinforce the lecture material.

Topics

- Linux overview
- Linux Fundamentals
- Linux on z/Series Fundamentals
- Installing Linux on z/VM
- Linux Package Management
- Virtualization Techniques for Linux Using z/VM

Audience

This course is of particular interest to systems professionals with experience in z/VM or z/OS with a need for skills acquisition in Linux on the z/VM platform.

Prerequisites

It is advisable to have experience with z/VM or have taken the z/VM Systems Workshop. Prior systems level experience in any platform would be an asset prior to attending this class.

Duration

Three days

Linux on z/VM Systems Programming Workshop

Course Outline

I. Linux Overview

- A. Linux Concepts
- B. Linux Evolution
- C. Linux Uses
- D. Linux and TCP/IP

II. Linux Fundamentals

- A. Linux File Hierarchical Structure
- B. Linux File Systems
- C. User Logins
- D. Linux Commands
- E. Shell Basics
- F. Piping
- G. Using VI

III. Linux on z/Series Fundamentals

- A. Z/VM as a host for Linux servers
- B. Defining Linux Servers on z/VM
- C. Z/VM Systems Management Facilities for Linux Servers

IV. Installing Linux on z/VM

- A. Using CMS to Create a Linux Starter System
- B. Installation Methods
- C. Installing Linux under z/VM

V. Linux Package Management

- A. Using RPM to Install and Manage Packages

VI. Virtualization Techniques for Linux Using z/VM

- A. Cloning Techniques and Tools
- B. Managing Multiple Linux Servers with z/VM Tools
- C. Virtualized network Facilities including guest lans, vswitches and hipersockets