

... to Your Success!"

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

Due to the nature of this material, this document refers to numerous hardware and software products by their trade names. References to other companies and their products are for informational purposes only, and all trademarks are the properties of their respective companies. It is not the intent of ProTech Professional Technical Services, Inc. to use any of these names generically



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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