Linux Jumpstart for UNIX System Administrators

Information

Length:	32.0 Hours
__Ref:	LX15G
Delivery method:	ClassroomInstructor Led Online
Price:	AUD

Overview

Learn how to transfer your generic UNIX system administration skills to the administration of Fedora and Red Hat Enterprise Linux and/or SUSE Linux.

This course includes lab exercises to reinforce what was taught in lecture. This course helps the student to prepare for the Linux Professional Institute (LPI) Certification.

Public

This is an intermediate course for UNIX system administrators who implement and administer Red Hat or SUSE workstations.

Prerequisits

You should have:

- experience as a UNIX system administrator
- experience as a UNIX TCP/IP network administrator, including TCP/IP configuration, routing, and networking software, such as Domain Name System (DNS), Network File System (NFS), and Network Information Service (NIS)
- **or** equivalent experience

Objective

- Discuss the history of Linux
- Perform a network and automatic installation
- Use Linux online documentation
- Understand and manipulate Linux startup and shutdown flow
- Identify system administration tools
- Identify and use utilities to install and update software packages
- Identify and use common Linux block devices
- Describe, create, and use Linux filesystems

- Create and manage Linux users and groups
- Learn common troubleshooting methods
- Describe and use memory management utilities
- Describe and configure virtualization using Xen

Topics

Day 1

- Unit 1 - Introduction to Linux
- Exercise 1 - Introduction to Linux
- Unit 2 - Installing Linux
- Exercise 2 - Installing Linux
- Unit 3 - Linux documentation
- Exercise 3 - Linux documentation
- Unit 4 - Startup and shutdown
- Exercise 4 - Startup and shutdown

Day 2

- Unit 5 - System administration tools
- Exercise 5 - System administration tools
- Unit 6 - Package management
- Exercise 6 - Package management
- Unit 7 - X Window system
- Exercise 7 - X Window system
- Unit 8 - User administration
- Exercise 8 - User administration

Day 3

- Unit 9 - Block devices, RAID, LVM
- Exercise 9 - Block devices, RAID, LVM
- Unit 10 - Filesystems
- Exercise 10 - Filesystems
- Unit 11 - Kernel configuration
- Exercise 11 - Kernel configuration
- Unit 12 - Memory management
- Exercise 12 - Memory management

Day 4

- Unit 13 - Virtualization

- Exercise 13 - Virtualization
- Unit 14 - Troubleshooting
- Exercise 14 - Troubleshooting