Linux System Administration II

Course Summary

Description

This course takes you through an in depth look at the administrative duties involved in connecting and maintaining a Linux based server.

Objectives

At the completion of this course, the student will be able to:

- Configure and manage a typical Linux system in a networked environment. The student will complete services typically used in such an environment during hands-on lab sessions.

Topics

- Overview of TCP/IP[1]
- Configuring TCP/IP (static and DHCP)
- TCP/IP Routing
- TCP/IP Services
- Host-based Security
- Packet Filters and Firewalls
- Using OpenSSH (secure communications over a public network)
- Configuring Network Information Service
- Configuring DHCP servers
- Configuring Network File Systems
- Overview of Samba File Sharing setup
- Configuring the Automounter Daemon
- Configuring Anonymous FTP
- Configuring Network Time Protocol
- Overview of the Apache web server
- Linux Networking: Now and in the Near Future (clustering, VLANs, remote desktop sharing)

Audience

Prospective system administrators who are already familiar with the Linux operating system, but desire more detailed and specialized information as listed below. This course concentrates on the Red Hat distribution of Linux, but a variety of software packages for other systems are also discussed.

Prerequisites

The students should have a familiarity with Linux commands, directory structure and the text editor. The student is expected to have experience with RPM, the Red Hat Package Manager, for the purposes of installing and/or updating applications on their lab systems.

Duration

Five days

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