

Red Hat Enterprise Linux 5 (RHEL5)

Duration: 64 Hours

Basic Concepts

- Server (computing)
- MAC address
- IP address
- Ping (networking utility)
- Introduction to Network Types
- Basic Computer Networking Devices
- Internet service provider
- History of Linux
- Linux vs Windows
- List of Linux distributions
- RPM-based
- Red Hat Enterprise Linux-based

Redhat Linux5 Installation

- Installing Redhat EL5 on Intel® and AMD Based Systems
- Installing from DVD/CD-ROM
- Installing from a Hard Drive
- Performing a Network Installation
- REDHAT EL GNOME Installation
- Disk Partitioning Setup
- Creating a Custom Layout or Modifying the Default Layout
- Recommended Partitioning Scheme

Linux Boot Sequence

- The Linux Boot Sequence

RHEL Runlevels

- RHEL Runlevels

Basic Commands

- Basic Commands
- Process Management
- File systems and Storage Devices
- Add system swap space
- File Information/Status/Ownership/Security

Users & Sudo

- Users
- How to Add Users
- How to Change Passwords
- How to Delete Users
- Change the Ownership of a File
- Sudo
- Becoming root for a Complete Login Session

Ownership and Permissions

- What is Ownership
- The chmod Command
- Changing Permissions with Numbers
- File permissions settings, numerical values, and their meanings
- Chapter 8: Yum configuration
- RPM commands and their use
- Using YUM and YUM examples

Linux Package Installation

- Introduction
- Getting Software using Web-Based FTP
- Getting RPMs Using command-Line Anonymous FTP
- Getting Software using wget
- Installing Software from RPM Files
- Using CD-ROMs
- RPM Installation Errors
- How to List Installed RPMs
- Configuring yum
- Installing Software using tar files

Logical Volume Management

- Adding Disks to Linux
- Determining the Disk types
- Preparing Partitions on new Disks
- Expanding Partitions with LVM
- Determine The Partition Types
- Start FDISK
- Create a Logical Volume from the Volume Group

Adding Swap Space

Network Manager

The NetworkManager Daemon

Ethernet Interfaces

Chapter 12: TELNET & SSH

Telnet

SSH

Apache Web server

Install the Apache Package

General Configuration Steps

File Permissions And Apache

Named Virtual Hosting

How to Protect Web Page Directories with Passwords

Troubleshooting Apache

Network File System (NFS)

Configuring NFS on the Server

Configuring NFS on the Client

Mounting NFS Directory

Samba

Package Installation

The Samba Configuration File

How to Create a Samba PDC Administrator User

Security Enhanced Linux (SELinux)

Benefits of running SELinux

Enabling and Disabling SELinux

Chapter 17: ISCSI Management

ISCSI Discover targets

Chapter 18: Cronjob

Scheduling a Job For a Specific Time

Schedule Cronjob Periodically

Chapter 19: Rescue mode (Single User Mode)

Booting into Single-User Mode