

RH124 – Red Hat System Administration I Course

Overview

Duration: 5 Days

Red Hat System Administration I provides a foundation for students wishing to become full-time Linux system administrators by introducing key command line concepts and other enterprise-level tools. These concepts are further developed in the follow-on course, Red Hat System Administration II (RH134).

Objectives of RH124 Training

- Introduction to the command line
- Managing physical storage
- Learning how to install and configure software components and services
- Establishing network connections and firewall access
- Monitoring and managing processes
- Managing and securing files
- Administrating users and groups
- Accessing Linux file systems
- Installing and using virtualized systems
- Reviewing the system log files and journal

Course Outline

Access the command line

Log in to a Linux system and run simple commands using the shell.

Manage files from the command line

Copy, move, create, delete, and organize files from the bash shell prompt.

Get help in Red Hat Enterprise Linux

Resolve problems by using online help systems and Red Hat support utilities.

Create, view, and edit text files

Create, view, and edit text files from command output or in an editor.

Manage local Linux users and groups

Manage local Linux users and groups, and administer local password policies.

Control access to files with Linux file system permissions

Set Linux file system permissions on files and interpret the security effects of different permission settings.

Monitor and manage Linux processes

Obtain information about the system, and control processes running on it.

Control services and daemons

Control and monitor network services and system daemons using systemd

Configure and secure OpenSSH service

Access and provide access to the command line on remote systems securely using OpenSSH

Analyze and store logs

Locate and accurately interpret relevant system log files for troubleshooting purposes.

Manage Red Hat Enterprise Linux networking

Configure basic IPv4 networking on Red Hat Enterprise Linux systems.

Archive and copy files between systems

Archive files and copy them from one system to another.

Install and update software packages

Download, install, update, and manage software packages from Red Hat and yum package repositories.

Access Linux file systems

Access and inspect existing file systems on a Red Hat Enterprise Linux system.

Use virtualized systems

Create and use Red Hat Enterprise Linux virtual machines with KVM and libvirt.

Comprehensive review

Practice and demonstrate the knowledge and skills learned in this course.

Exam

- EX200
- Fees: 16,500/-