

Red Hat System Administration I (RH124)

Length: 5 Days

Summary: This course equips you with Linux administration "survival skills" by focusing on foundational Linux concepts and core tasks. You will learn how to apply command-line concepts and enterprise-level tools, starting you on your journey toward becoming a full-time Linux system administrator. This course is based on Red Hat Enterprise Linux 8. These concepts are further developed in the follow-on course, Red Hat System Administration II (RH134).

Learning Objectives:

You should be able to demonstrate these skills:

- Access the command line
- Manage files from command line
- Create, view, and edit text files
- Manage local users and groups
- Monitor and manage Linux processes
- Control services and daemons
- Control access to files with file system permissions
- Analyze and store log files
- Configure and secure the OpenSSH service
- Install and update software packages
- Access Linux file systems
- Manage Linux networking

Prerequisites: There are no formal prerequisites for this course; however, previous operating system administration experience will be very beneficial.

COURSE CONTENT

Get started with Red Hat Enterprise Linux

- Describe and define open source, Linux distributions, and Red Hat Enterprise Linux.

Access the command line

- Log into a Linux system and run simple commands using the shell.

Manage files from the command line

- Copy, move, create, delete, and organize files while working from the bash shell.

Get help in Red Hat Enterprise Linux

- Resolve problems by using local help systems.

Create, view, and edit text files

- Manage text files from command output or in a text editor.

Manage local users and groups

- Create, manage, and delete local users and groups, as well as administer local password policies.

Control access to files

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

Monitor and manage Linux processes

- Evaluate and control processes running on a Red Hat Enterprise Linux system.

Control services and daemons

- Control and monitor network services and system daemons using systemd.

Configure and secure SSH

- Configure secure command line service on remote systems, using OpenSSH.

Analyze and store logs

- Locate and accurately interpret logs of system events for troubleshooting purposes.

Manage networking

- Configure network interfaces and settings on Red Hat Enterprise Linux servers.

Archive and transfer files

- Archive and copy files from one system to another.

Install and update software

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

Access Linux files systems

- Access, inspect, and use existing file systems on storage attached to a Linux server.

Analyze servers and get support

- Investigate and resolve issues in the web-based management interface, getting support from Red Hat to help solve problems.

Comprehensive review

- Review the content covered in this course by completing hands-on exercises.
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