



Course Title: RH124: Red Hat System Administration I	Course Duration: 5.0 Days
Exam: Not Included	Exam Type: Proctored Exam
Qualification: Red Hat Certified System Administrator (RHCSA)	

Course Syllabus

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 packages

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

Access Linux file 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.

Course Overview

Red Hat System Administration I (RH124) is designed for IT professionals who are new to Linux system administration. This course introduces key concepts and practical skills required to manage Red Hat Enterprise Linux systems. Learners will gain hands-on experience performing essential administration tasks such as managing files, users, permissions, processes, and system services.

Course Learning Outcomes

By the end of this course, participants will understand Linux architecture and system components, navigate the command line efficiently, manage files, directories, and permissions, create and manage users and groups, install and manage software packages, configure basic networking and services, and monitor and manage system processes.

Audience

This course is geared toward Windows system administrators, network administrators, and other system administrators who are interested in supplementing current skills or backstopping other team members, in addition to Linux system administrators who are responsible for these tasks: Configuring, installing, upgrading, and maintaining Linux systems using established standards and procedures, Providing operational support, Managing systems for monitoring system performance and availability, Writing and deploying scripts for task automation and system administration.

Entry-Level Requirements

- Basic knowledge of computers and networking



- Familiarity with operating systems concepts is helpful but not required

Recommended Reading

- *Linux Bible* by Christopher Negus
- Red Hat official documentation

What's Included

Exam Information

- **Format:** Hands-on, performance-based practical exam.
- **Duration:** Typically 3 hours
- **Prerequisites (Recommended):** Completion of the RH124 course and often RH134 (System Administration II) or the RHCSA Rapid Track (RH199).

What's Next

After completing RH124, learners are encouraged to continue with RH134: Red Hat System Administration II to deepen their skills and prepare for Red Hat certification.

Additional Information

Red Hat System Administration I (RH124) 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 path continues with the follow-on course, Red Hat System Administration II (RH134).