

COURSE OUTLINE



Course Code: RH-124

Course Name: Red Hat System Administration

DURATION	SKILL LEVEL	DELIVERY METHOD	TRAINING CREDITS	TECHNOLOGY
5 day	Introduction	Virtual Training	N/A	Linux Platform

The first of two courses covering the core system administration tasks needed to manage Red Hat Enterprise Linux servers.

Red Hat System Administration I (RH-124) 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 (RH-134). This course is based on Red Hat® Enterprise Linux 8.2

Prerequisites

- Basic technical user skills with computer applications on some operating systems are expected.

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:

Target Audience

This course is geared toward

- 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

Topics

Lesson 1: Get started with Red Hat Enterprise Linux

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

Lesson 2: Access the command line

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

Lesson 3: Manage files from the command line

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

Lesson 4: Get help in Red Hat Enterprise Linux

- Resolve problems by using local help systems.

Lesson 5: Create, view, and edit text files

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

Lesson 6: Manage local users and groups

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

Lesson 7: Control access to files

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

Lesson 9: Control services and daemons

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

Lesson 10: Configure and secure SSH

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

Lesson 11: Analyze and store logs

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

Lesson 12: Manage networking

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

Lesson 13: Archive and transfer files

- Archive and copy files from one system to another.

Lesson 14: Install and update software

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

Lesson 15: Access Linux files systems

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

Lesson 16: Analyze servers and get support

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

Lesson 17: Comprehensive review

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

Associated Exam and Certification:

This course will prepare students to take the Red Hat Certified System Administrator exam EX-200. Successfully passing this exam will result in the attainment of the Red Hat Certified System Administrator Certification. After completing this course, students will receive a Netcampus course attendance certification.