

RH124

Red Hat System Administration I

5 days Training • Instructor-Led Training

Course Overview

Red Hat System Administration I (RH124) is designed for IT professionals without previous Linux system administration experience. The course provides students with Linux administration competence by focusing on core administration tasks. This course also provides a foundation for students who plan to become full-time Linux system administrators by introducing key command-line concepts and enterprise-level tools.

This course is the first of a two-course series that takes a computer professional without Linux system administration knowledge to become a fully capable Linux administrator. These concepts are further developed in the follow-on course, Red Hat System Administration II (RH134).

This course is based on **Red Hat® Enterprise Linux 9.3**.

Who Should Attend?

The primary persona is a technical professional with current or pending responsibilities as a Linux enterprise or cloud system administrator. This course is popular in RHA, and is targeted at the student who is planning to become a technical professional using Linux.

Course Content Summary

- Introduce Linux and the Red Hat Enterprise Linux ecosystem.
- Run commands and view shell environments.
- Manage, organize, and secure files.
- Manage users, groups and user security policies.
- Control and monitor systemd services.
- Configure remote access using the web console and SSH.
- Configure network interfaces and settings.

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- Manage software using DNF.

Course Outcome

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Course Outline (16 Modules)

Module 01: Get started with Red Hat Enterprise Linux

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

Module 02: Access the command line

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

Module 03: Manage files from the command line

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

Module 04: Get help in Red Hat Enterprise Linux

Resolve problems by using local help systems.

Module 05: Create, view, and edit text files

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

Module 06: Manage local users and groups

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

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Module 07: Control access to files

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

Module 08: Monitor and Control services and daemons

Control and monitor network services and system daemons with the systemd service.

Module 09: Configure and secure SSH

Configure secure command-line services on remote systems with OpenSSH.

Module 10: Analyze and store logs

Locate and accurately interpret system event logs for troubleshooting purposes.

Module 11: Manage networking

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

Module 12: Archive and transfer files

Archive and copy files from one system to another.

Module 13: Install and Update Software Packages

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

Module 14: Access Linux file systems

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

Module 15: Analyze servers and get support

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

Module 16: Comprehensive review

Review tasks from Red Hat System Administration I