



Red Hat System Administration I

Course RH124VT

5 Days

Hands-On, Instructor-Led

Introduction

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

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.

Following course completion, you will receive a 45-day extended access to hands-on labs for any course that includes a virtual environment.

Note: This course is offered as a five day in person class, a five day virtual class or is self-paced. Durations may vary based on the delivery. For full course details, scheduling, and pricing, select your location then “get started” on the right hand menu.

Prerequisites

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

Course Outline

Module 1: Get started with Red Hat Enterprise Linux

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

Module 2: Access the command line

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

Module 3: Manage files from the command line

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

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Module 4: Get help in Red Hat Enterprise Linux

- Resolve problems by using local help systems.

Module 5: Create, view, and edit text files

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

Module 6: Manage local users and groups

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

Module 7: Control access to files

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

Module 8: Monitor and manage Linux processes

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

Module 9: Control services and daemons

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

Module 10: Configure and secure SSH

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

Module 11: Analyze and store logs

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

Module 12: Manage networking

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

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 files systems

- Access, inspect, and use existing file systems on storage 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 the content covered in this course by completing hands-on exercises.