RH199

Red Hat Certified System Administrator Rapid Track course

Course Description

Learn essential Red Hat Enterprise Linux configuration, administration, and maintenance in a condensed format designed for experienced Linux system administrators.

The RHCSA Rapid Track course (RH199) features Red Hat® Enterprise Linux® 10 and is designed for those who already have significant experience with Linux administration. This accelerated course combines essential content from Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134) to help students operate, manage, and maintain a Red Hat Enterprise Linux system.

This course is based on Red Hat Enterprise Linux 10.

Audience for this course

- System administrators, platform engineers, developers, and other IT professionals who have a foundational understanding of the Linux command line, and are seeking to learn key tasks to administer a Red Hat Enterprise Linux system.

Prerequisites for this course

- Familiarity with fundamental Linux computing concepts, experience as a Linux user, and readiness to perform system administration tasks.
- Significant field experience working with Linux as a system administrator is recommended.

- If you do not have experience with fundamental Linux computer concepts, Red Hat recommends that you start by taking the Red Hat System Administration I (RH124) course instead.
- Take our free assessment to gauge whether this offering is the best fit for your skills.

Course Outline

Registering Systems for Red Hat Support
Register a system by using your Red Hat account to get support services and software that Red Hat provides.
Managing Files from the Command Line
Copy, move, create, delete, and organize files from the command line.
Editing Text Files
Create, view, and edit text files from the command line.
Managing Local Users and Groups
Obtain superuser access to a system; create, manage, and delete local users and groups; and administer local password policies.
Controlling Access to Files
Set standard permissions on files and interpret the security effects of different permission settings.
Installing and Updating Software with RPM
Download, install, update, and manage software packages from Red Hat and DNF package repositories.
Installing and Updating Applications by using Flatpak
Install, upgrade, and use desktop software from the Red Hat Ecosystem Catalog by using Flatpak.
Accessing Removable Media
Access file systems on removable media devices by mounting them on a directory in the file-system hierarchy.
Monitoring and Managing Linux Processes
Investigate, control, and terminate processes that run on a Red Hat Enterprise Linux System.
Controlling Services and Daemons
Control and monitor the system services and daemons that systemd starts.
Managing Network Configuration
Configure network interfaces and settings on Red Hat Enterprise Linux servers.
Scheduling System Tasks
Schedule system programs that must run on a recurring basis to support daemons or operating system functions.
Analyzing and Storing Logs
Locate and interpret system logs for troubleshooting purposes, and ensure accurate timestamps for log events.
Managing Security with SELinux
Protect systems and manage security by using SELinux.
Managing Basic Storage
Manage storage devices by creating partitions, file systems, and swap spaces from the command line.
Managing Storage with Logical Volume Manager
Use Logical Volume Manager (LVM) to manage logical volumes that can contain file systems and swap spaces.
Controlling and Troubleshooting the Boot Process
Manage how the system boots to control which services start and to troubleshoot and repair boot-time problems.
Recovering Superuser Access
Gain administrative access to a system when the superuser password is unknown or is locked.
Managing Network Security
Control network connections to services by using the system firewall, and network services that can bind to particular ports by using SELinux.

Accessing Network-attached Storage
Access network-attached storage that is provided by using the Network File System (NFS) protocol, either manually or by using the automounter.
Comprehensive Review
Practice skills learned in *RHCSA Repaid Track Course*.

Recommended next course or exam

- Red Hat Certified System Administrator (RHCSA) exam (EX200)