RH135 Red Hat System Administration II with RHCSA Exam

🌐 Learn via: **Classroom/Virtual**

🕐 Duration: **5 Days**

Overview

Red Hat System Administration II (RH135) is designed as the second part of the Red Hat® Certified System Administrator (RHCSA®) training track for IT professionals who have taken Red Hat System Administration I (RH124). The course goes deeper into core Linux® system administration skills, including storage configuration, security feature management, task control, and installation and deployment of Red Hat® Enterprise Linux.

The Red Hat Certified System Administrator (RHCSA) exam (EX200) is included in this offering, which is based on Red Hat Enterprise Linux 8.

Target Audience

This offering 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

Content summary

- Install Red Hat Enterprise Linux using scalable methods
- Access security files, file systems, and networks
- Execute shell scripting and automation techniques
- Manage storage devices, logical volumes, and file systems
- Manage security and system access
- Control the boot process and system services

Prerequisites

Successful completion of [Red Hat System Administration I (RH124)](#) is recommended.

What You Will Learn

- Install Red Hat Enterprise Linux using Kickstart
- Manage file systems and logical volumes
- Manage scheduled jobs
- Access network file systems
- Manage SELinux
- Control firewalls
- Perform troubleshooting tasks

As a result of completing this offering, you should be able to perform and validate the key tasks needed to become a full-time Linux administrator. You will be introduced to more advanced administrative topics, such as storage management using LVM, SELinux management, and automated installation. This offering goes deeper into enterprise Linux administration, including file systems and partitioning, logical volumes, SELinux, firewall configuration, and troubleshooting.

Impact on the organization

This offering provides your team members with a solid foundation in Linux system administration, helping ensure improved ability to manage your infrastructure efficiently. These skills can help improve system reliability and storage utilization efficiency, while making responsiveness to system failures faster and more accurate. This offering is the second of a two-part series that takes a computer professional from minimal Linux experience to being a fully capable Linux administrator.

Outline

Improve command line productivity
Run commands more efficiently by using advanced features of the bash shell, shell scripts, and various utilities provided by Red Hat Enterprise Linux.

Schedule future tasks
Schedule commands to run in the future, either one time or on a repeating schedule.

Tune system performance
Improve system performance by setting tuning parameters and adjusting scheduling priority of processes.

Control access to files with ACLs
Interpret and set access control lists (ACLs) on files to handle situations requiring complex user and group access permissions.

Manage SELinux security
Protect and manage the security of a server by using SELinux.

Maintain basic storage
Create and manage storage devices, partitions, file systems, and swap spaces from the command line.

Manage logical volumes
Create and manage logical volumes containing file systems and swap spaces from the command line.

Implement advanced storage features
Manage storage using the Stratis local storage management system and use VDO volumes to optimize storage space in use.

Access network-attached storage
Use the NFS protocol to administer network-attached storage.

Control the boot process
Manage the boot process to control services offered and to troubleshoot and repair problems.

Manage network security
Control network connections to services using the system firewall and SELinux rules.

Install Red Hat Enterprise Linux
Install Red Hat Enterprise Linux on servers and virtual machines.