Document Generated: 11/12/2026

Learning Style: Virtual Classroom

Technology: Red Hat

Difficulty: Advanced

Course Duration: 5 Days

RHCSA Rapid Track Course (RH199VT)

About this course:

This course is the mix of Red Hat System Administration I and II at a quick speed. This course is intended for the understudy who is genuinely knowledgeable about Linux organization. The course surveys the errands canvassed in Red Hat System Administration I (RH124) and Red Hat System Administrator II (RH134) at a rapid pace. Also, this course readies the understudies for the Red Hat EX200: exam of certified System Administrator (RHCSA).

Note: This course expands on an understudy's current comprehension of command-line based administration of the Linux system. Understudies ought to have the ability to execute regular commands utilizing the shell, access man pages for help, and work with basic commands alternatives.

The normal pay for a Red Hat Certified Engineer, Linux Systems Administrator is $72,762 every year.

Course Objective:

- Managing groups and users, files, and permissions of the file
- Creating and using file systems and managing local storage
- Troubleshooting and managing systemd services during the process of boot
- Updating packages of the software with yum
- Basic troubleshooting and Network configuration.
- Handling kernel-based virtual machines (KVMs)
- Management of firewall with firewalld
- Automating Red Hat Enterprise Linux installation using Kickstart

Audience:

This course is projected for:

Understudies for this class ought to have 1-3 years of full-time experience of Linux administration

Prerequisites:

Understudies going to this course ought to have essential involvement in the following, with negligible reliance on documentation:

- Linux (a portion of the course might be review)
- The bash shell, containing work control (&, FG, BG, jobs), shell expansion (tilde, command, brace, globbing, protection from expansion), pipes, and I/O redirection
- IPv4 networking routing concepts and addressing, ports and TCP/UDP
- Navigation of the interface of GNOME 3.
- Altering content records from the command line with vim or other accessible projects
- Discovering data in info nodes and man pages
- The file permissions concept.
- Red Hat Enterprise Linux Interactive installation.
- Per-user 'at' and jobs of 'cron'
- Utilization of archival utilities such as 'zip', 'tar', and compression utilities
- Relative and Absolute paths
- Finding files with 'locate' and 'find'

Suggested prerequisites courses:

Red Hat System Administration I (RH124)

Red Hat System Administrator II (RH134)

Course Outline:

Accessing the command line
Log in to a Linux system and run simple commands using the shell.
Managing files from the command line
Work with files from the bash shell prompt.

Managing local Linux users and groups
Manage Linux users and groups and administer local password policies.
Controlling access to files with Linux file system permissions
Set access permissions on files and interpret the security effects of different permission settings.
Managing SELinux security
Use SELinux to manage access to files and interpret and troubleshoot SELinux security effects.
Monitoring and managing Linux processes
Monitor and control processes running on the system.
Installing and updating software packages
Download, install, update, and manage software packages from Red Hat and yum package repositories.
Controlling services and daemons
Control and monitor network services and system daemons using systemd.
Managing Red Hat Enterprise Linux networking
Configure basic IPv4 networking on Red Hat Enterprise Linux systems.
Analyzing and storing logs
Locate and interpret relevant system log files for troubleshooting purposes.
Managing storage and file systems
Create and use disk partitions, logical volumes, file systems, and swap spaces.
Scheduling system tasks
Schedule recurring system tasks using cron and systemd timer units.
Mounting network file systems
Mount network file system (NFS) exports and server message block (SMB) shares from network file servers.
Limiting network communication with firewalld
Configure a basic local firewall.
Virtualization and kickstart
Manage KVMs and install them with Red Hat Enterprise Linux using Kickstart.

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