



RHCSA® Rapid Track Course (RH199)

The RHCSA Rapid Track course (RH199) relates to Red Hat® Enterprise Linux® 7 and is designed for individuals who already have significant experience with Linux administration. The course reviews the tasks covered in *Red Hat® System Administration I* (RH124) and *Red Hat® System Administration II* (RH134) at an accelerated pace. On completion of course materials, you should be prepared to take the Red Hat Certified System Administrator (RHCSA) exam.

Note: This course builds on a student's existing understanding of command-line based Linux system administration. Students should be able to execute common commands using the shell, work with common command options, and access man pages for help. Students lacking this knowledge are strongly encouraged to take *Red Hat® System Administration I* (RH124) and *Red Hat® System Administration II* (RH134) instead.

What You'll Learn

- Managing users and groups, files, and file permissions
- Updating software packages with yum
- Managing and troubleshooting systemd services during the boot process
- Network configuration and basic troubleshooting
- Managing local storage and creating and using file systems
- Firewall management with firewalld
- Managing Kernel-based Virtual Machines (KVMs)
- Automating installation of Red Hat Enterprise Linux using Kickstart

Who Needs to Attend

Individuals preparing to take the Red Hat Certified System Administrator (RHCSA) exam

Prerequisites

- One to three years experience with the Linux Command Line
- Individuals attending this course should have basic experience with the following, with minimal dependence on documentation:
 - Linux (some of the course may be review)
 - The bash shell, including job control (&, fg, bg, jobs), shell expansion (command, tilde, globbing, brace, protection from expansion), I/O redirection, and pipes
 - IPv4 networking addressing and routing concepts, TCP/UDP, and ports
 - Navigation of the GNOME 3 interface
 - Editing text files from the command line with vim or other available programs
 - Finding information in man pages and info nodes
 - The concept of file permissions
 - Interactive installation of Red Hat Enterprise Linux
 - Per-user 'at' and 'cron' jobs
 - Use of archival utilities such as 'tar', 'zip', and compression utilities
 - Absolute and relative paths
 - Finding files with 'find' and 'locate'

Follow-On Courses

- [Red Hat® System Administration III \(RH254\)](#)
- [Red Hat® System Administration III with RHCSA and RHCE Exams \(RH255\)](#)
- [Red Hat® Enterprise Performance Tuning \(RH442\)](#)
- [Red Hat® Server Hardening \(RH413\)](#)

Certification Programs and Certificate Tracks

This course is part of the following programs or tracks:

- [RHCSA - Red Hat® Certified System Administrator](#)

Course Outline

1. Accessing the command line
2. Log in to a Linux system and run simple commands using the shell
3. Managing Files from the command line
4. Work with files from the bash shell prompt
5. Managing local Linux users and groups
6. Manage Linux users and groups and administer local password policies
7. Controlling access to files with Linux file system permissions
8. Set access permissions on files and interpret the security effects of different permission settings
9. Managing SELinux security
10. Use SELinux to manage access to files and interpret and troubleshoot SELinux security effects
11. Monitoring and managing Linux processes
12. Monitor and control processes running on the system
13. Installing and updating software packages
14. Download, install, update, and manage software packages from Red Hat and yum package repositories
15. Controlling services and daemons
16. Control and monitor network services and system daemons using systemd
17. Managing Red Hat Enterprise Linux networking
18. Configure basic IPv4 networking on Red Hat Enterprise Linux systems
19. Analyzing and storing logs
20. Locate and interpret relevant system log files for troubleshooting purposes
21. Managing storage and file systems
22. Create and use disk partitions, logical volumes, file systems, and swap spaces
23. Scheduling system tasks
24. Schedule recurring system tasks using cron and systemd timer units
25. Mounting network file systems
26. Mount network file system (NFS) exports and server message block (SMB) shares from network file servers
27. Limiting network communication with firewall
28. Configure a basic local firewall
29. Virtualization and kickstart
30. Manage KVMs and install them with Red Hat Enterprise Linux using Kickstart

Further Information:

For More information, or to book your course, please Call/Email us on : - +254 713 027 191

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