

RHCSA Rapid Track Course without exam (RH199)

Duration: 4 days

Course Description:

The RHCSA Rapid Track Course (RH199) is designed for experienced Linux System Administrators who want to harden their technical skill set and work towards the RHCSA certification. Using a best-of-breed contemporary teaching approach, students will learn to properly manage a Linux workstation and server, including installation and configuration of local components and services as well as connections to existing network services. To successfully navigate this course, students must already have solid Linux command line experience to perform tasks at an accelerated pace. In addition, they should possess the necessary skills to execute common commands such as cp, grep, sort, mkdir, tar, mkfs, ssh, and yum, and be familiar with accessing man pages for help. At the completion of the course, students will be adequately prepared to take the Red Hat Certified System Administration (RHCSA) exam. Please note that the exam is not included in this course only offering. It can be booked [separately](#), or as part of the [RH200](#) course.

Audience:

- Practiced Linux system administrators who currently manage Linux servers at the enterprise level
- Skilled Linux system administrators who who want or are required to demonstrate competencies by earning the RHCSA

Prerequisites:

- Full time Linux administration with between 1-3 years of experience
- The following skills:
 - Use the BASH shell and manage files and directories from the command-line
 - Configure print queues to local and remote printers
 - Monitor system resources at a basic level (ps, kill)
 - Manage system software (install and update packages with yum)
 - Establish network connectivity using DHCP
 - Administer local user and group accounts
 - Manage local, physical storage
 - Install Linux graphically on a bare-metal system

Course content:

Unit 1 - Establish Network Connectivity

Configure, manage, and test static network settings

Unit 2 - Administer Users and Groups

Implement password aging and configure an LDAP client

Unit 3 - Monitor System Resources

Manage CPU, memory, and disk utilization; manage system logs

Unit 4 - Manage System Software

Install software and query with yum using RHN and a custom repository

Unit 5 - Deploy Network Services

Deploy VNC, FTP, and web services and require key authentication with SSH

Unit 6 - Secure Filesystems and Network Services

Restrict file access with ACLs and secure network services with a firewall and SELinux

Unit 7 - Manage Physical Storage

Manage encrypted partitions, filesystems, and swap space

Unit 8 - Manage Logical Volumes

Understand Logical Volume concepts and manage Logical Volumes, including snapshots

Unit 9 - Control the Boot Process

Understand runlevels and manage GRUB

Unit 10 - Tune and Maintain the Kernel

Pass parameters to the kernel and manage kernel modules

Unit 11 - Automate Installation with Kickstart

Create kickstart configurations and use them to install Linux

Unit 12 - Manage Virtual Machines

Deploy and manage KVM virtual machines

Unit 13 - Troubleshoot System Problems

Apply a systematic approach to diagnosing and correcting system failures

Unit 14 - Research Red Hat Resources

Access Red Hat documentation and services