NETCAMPUS GROUP
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COURSE OUTLINE

Course Code: RH-199

Course Name: RHCSA Rapid Track course

DURATION	SKILL LEVEL	DELIVERY METHOD	TRAINING CREDITS	TECHNOLOGY
5 day	Intermediate	Virtual Training	N/A	Linux Platform

Course Overview

Learn essential Red Hat Enterprise Linux configuration, administration, and maintenance in a condensed format.

The RHCSA Rapid Track course (RH-199) combines Red Hat System Administration I (RH-124) and Red Hat System Administration II (RH-134), reviewing the tasks at an accelerated pace.

This course relates to Red Hat® Enterprise Linux® and is designed for experienced Linux system administrators.

This course is based on Red Hat® Enterprise Linux 8.2 and is designed for experienced Linux System Administrators.

Prerequisites

• Delegates attending this course are expected to already have understanding the fundamental Linux computing concepts and be ready to practice the Red Hat Enterprise Linux methods for performing system administration tasks.

• Significant field experience working with Linux as a system administrator is recommended.

• Those that do not have experience with fundamental Linux computer concepts, we advise you start with the Red Hat System Administration I (RH-124) course instead.

Target Audience

This course 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

Topics

Lesson 1: Access Systems and Get Help

• Log in to local and remote Linux systems, and investigate problem resolution methods provided through Red Hat Insights and support.

Lesson 2: Navigate File Systems

• Copy, move, create, delete, and organize files while working from the bash shell.

Lesson 3: Manage Local Users and Groups

• Create, manage, and delete local users and groups and administer local password policies.

Lesson 4: Control Access to Files

• Set Linux file system permissions on files and to interpret the security effects of different permission settings.

Lesson 5: Manage SELinux Security

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

Lesson 6: Tune System Performance

• Evaluate and control processes, set tuning parameters, and adjust process scheduling priorities on a Red Hat Enterprise Linux system.

Lesson 7: Install and Update Software Packages

• Download, install, update, and manage software packages from Red Hat and yum package repositories.

Lesson 8: Manage Basic Storage

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

Lesson 9: Control Services and the Boot Process

• Control and monitor network services, system daemons, and the boot process using systemd.

Lesson 10: Manage Networking

• Configure network interfaces and settings on Red Hat Enterprise Linux servers.

Lesson 11: Analyze and Store Logs

• Locate and accurately interpret logs of system events for troubleshooting purposes.

Lesson 12: Implement Advanced Storage Features

• Create and manage logical volumes containing file systems and swap spaces from the command line and configure advanced storage features with Stratis and VDO. Lesson 13: Schedule Future Tasks

• Schedule tasks to automatically execute in the future.

Lesson 14: Access Network-attached Storage

• Access network-attached storage, using the NFS protocol.

Lesson 15: Manage Network Security

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

Lesson 16: Running Containers

• Obtain, run, and manage simple, lightweight services as containers on a single Red Hat Enterprise Linux server.

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Exams and Certifications

Learning Objectives: At the end of this course, students will be able to:

• Package management with new repository structure and appstream modules.

• Create storage devices, volumes, and file systems, including Stratis storage management.

• Configure network services and security.

• Manage processes, scheduling and tuning.

• Manage users, groups and authentication.

• Perform server management with the Cockpit web management utility.

• Troubleshoot and obtain support.

• Run containers.

Associated Exam and Certification:

This course will prepare students to take the Red Hat Certified System Administrator EX-200 exam. Successfully passing this exam will result in the attainment of the of the Red Hat Certified System Administrator Certification After completing this course, students will receive a Netcampus course attendance certification.