

RHCSA Rapid Track (RH199) – RHEL 9

Duration: 40 Hours (5 Days)

Course Overview

The RHCSA Rapid Track (RH199) – RHEL 9 course is an intensive training program designed for experienced Linux system administrators, DevOps professionals, and other IT professionals who want to validate their skills and pursue the Red Hat Certified System Administrator (RHCSA) certification. This course covers a range of core system administration skills in Red Hat Enterprise Linux 9 (RHEL 9). Throughout the course, learners will gain hands-on experience in essential areas such as file system navigation, user and group management, and software package installation. They will also delve into advanced topics such as SELinux security, system performance tuning, networking, and container management. Each module is structured to enhance the learner's ability to administer Linux systems, ensuring they can manage storage, schedule tasks, and secure network services effectively. By the end of the course, participants will be well-prepared to take the RHCSA exam and manage RHEL environments competently.

Audience profile

The RHCSA Rapid Track (RH199) – RHEL 9 course is designed for experienced Linux system administrators seeking certification.

- Linux System Administrators
- Systems Engineers
- IT Analysts
- DevOps Professionals
- Technical Support Specialists
- Network Administrators
- Cloud Administrators
- Security Administrators
- IT Professionals seeking RHCSA certification
- Experienced UNIX Administrators
- Professionals in enterprise environments using RHEL
- System Integrators managing Linux within their infrastructure
- IT Professionals needing proficiency in Linux container technologies

Course Syllabus

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.

Navigate File Systems

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

Manage Local Users and Groups

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

Control Access to Files

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

Manage SELinux Security

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

Tune System Performance

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

Install and Update Software Packages

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

Manage Basic Storage

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

Control Services and the Boot Process

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

Manage Networking

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

Analyze and Store Logs

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

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.

Schedule Future Tasks

Schedule tasks to automatically execute in the future.

Access Network-Attached Storage

Access network-attached storage, using the NFS protocol.

Manage Network Security

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

Running Containers



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