RHCSA Rapid Track Course

Course code: RH199

As of January 2026, only in-person Red Hat training is available for purchase under the original terms. Virtual training (VT) courses are offered exclusively as part of the annual RHLS Course subscription can be found here.How to schedule a virtual course in the Red Hat Learning Subscription can be found here.Learn essential Red Hat Enterprise Linux configuration, administration, and maintenance in a condensed format designed for experienced Linux system administratorsThe RHCSA Rapid Track course (RH199) features Red Hat® Enterprise Linux® 9 and is designed for those who already have significant experience with Linux administration. This course combines the significant content of Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134), reviewing the tasks at an accelerated pace.This course is based on Red Hat® Enterprise Linux 9.0.

Who is the course for

This offering 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

What we teach you

- 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

Required skills

You will be expected to already understand 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.
If you do not have experience with fundamental Linux computer concepts, we advise you to start with the Red Hat System Administration I (RH124) course instead.

Course outline

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.

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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.
Note: Course outline is subject to change with technology advances and as the nature of the underlying job evolves.

What you need to know

Impact on the organization

Administration, configuration, and rapid deployment of Red Hat Enterprise Linux is the foundation for efficient IT infrastructure. This training provides your team members with a solid foundation in Linux system administration, for improved ability to manage your infrastructure efficiently. It helps to provide better system reliability, improve efficient system and storage utilization, and respond faster and more accurately to system failures. This course will lay the foundation for new Linux system administrators to efficiently and securely resolve configuration issues, integrate Red Hat Enterprise Linux with other existing systems, manage user and group administration, and use available storage solutions. The rapid pace can quickly turn a computer professional with basic knowledge of Linux into a fully capable Linux administrator.
Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

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Impact on the individual

As a result of attending this course, you should be able to perform essential Linux system administration tasks, including establishing network connectivity, managing physical storage, and executing basic security administration. You should be able to demonstrate these skills:

- Access the command line locally and remotely
- Manage files from the command line
- Manage local users and groups
- Monitor and manage Linux processes
- Control services, daemons, and the boot process
- Manage services provided in existing container images
- Manage tuning profiles for system performance
- Control access to files with file system permissions
- Analyze and store log files
- Configure and secure the OpenSSH service
- Install and update software packages and appstreams
- Manage Linux file systems and volumes
- Manage Linux networking and firewalls

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