

RHCSA Rapid Track Course

Duration: 4 Days **Course Code: RH199** **Delivery Method: Company Event**

Overview:

Learn essential Red Hat Enterprise Linux configuration, administration, and maintenance in a condensed format designed for experienced Linux system administrators

The 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.

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

Objectives:

- 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

Prerequisites:

- 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.

Follow-on-Courses:

Recommended next exam or course

- Red Hat Certified System Administrator exam (EX200)
- Red Hat System Administration III: Linux Automation (RH294)
- EX200 - RHCSA Exam
- RH294 - Red Hat Enterprise Linux Automation with Ansible

Content:

Access systems and get help	Evaluate and control processes, set tuning parameters, and adjust process scheduling priorities on a Red Hat Enterprise Linux system.	Implement advanced storage features
Log in to local and remote Linux systems, and investigate problem resolution methods provided through Red Hat Insights and support.	Install and update software packages	Create and manage logical volumes containing file systems and swap spaces from the command line, and configure advanced storage features with Stratis and VDO.
Navigate file systems	Download, install, update, and manage software packages from Red Hat and DNF package repositories.	Schedule future tasks
Copy, move, create, delete, and organize files while working from the bash shell.	Manage basic storage	Schedule tasks to automatically execute in the future.
Manage local users and groups	Create and manage storage devices, partitions, file systems, and swap spaces from the command line.	Access network-attached storage
Create, manage, and delete local users and groups and administer local password policies.	Control services and the boot process	Access network-attached storage, using the NFS protocol.
Control access to files	Control and monitor network services, system daemons, and the boot process using systemd.	Manage network security
Set Linux file system permissions on files and to interpret the security effects of different permission settings.	Manage networking	Control network connections to services using the system firewall and SELinux rules.
Manage SELinux security	Configure network interfaces and settings on Red Hat Enterprise Linux servers.	Running Containers
Protect and manage the security of a server by using SELinux.	Analyze and store logs	Obtain, run, and manage simple, lightweight services as containers on a single Red Hat Enterprise Linux server.
Tune system performance	Locate and accurately interpret logs of system events for troubleshooting purposes.	

Additional Information:

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.

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

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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