Information Technology

Red Hat Certified System Administrator (RHCSA) Rapid Track Course (RH199)

Course Introduction

Efficient management, setup, and swift implementation of Red Hat Enterprise Linux form the cornerstone of an effective IT infrastructure. It fosters heightened system dependability, optimized system and storage utilization, and enables prompt, precise responses to system malfunctions. The course serves as a springboard for novice Linux system administrators, enabling them to proficiently and securely troubleshoot configuration issues, seamlessly integrate Red Hat Enterprise Linux with existing systems, oversee user and group administration, and leverage available storage solutions.

The RHCSA Rapid Track course (RH199) showcases the functionalities of Red Hat Enterprise Linux 9 and is explicitly crafted for individuals with substantial expertise in Linux administration. Integrating the key components of both Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134), this course facilitates an expedited review of the essential tasks.

Target Audience

1. Linux System Administrator
2. IT Infrastructure Engineer
3. DevOps Engineer
4. Systems Engineer
5. Network Administrator
6. Cloud Engineer
7. Security Engineer
8. Technical Support Engineer
9. IT Manager
10. Data Center Engineer

Learning Objectives

- 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

Course Outline

- **Day 01**
  - 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.
- **Day 02**
  - 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.
- **Day 03**
  - ◦ 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.
- **Day 04**
  - ◦ 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.
- **Day 05**
  - ◦ Running Containers
  - ◦ Obtain, run, and manage simple, lightweight services as containers on a single Red Hat Enterprise Linux server.

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Dec. 15, 2025	Dec. 19, 2025	5 days	4250.00 $	UAE - Dubai

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