

Red Hat RHCSA Rapid Track Course (RH 199)

COURSE OVERVIEW:

- 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

WHO WILL BENEFIT FROM THIS COURSE?

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

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.

COURSE OBJECTIVES:

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 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:

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 yum 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.

SUNSET LEARNING INSTITUTE (SLI) DIFFERENTIATORS:

Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their cloud technology investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team

- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience.
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience

- You have the option to attend classes at any of our established training facilities or from the convenience of your home or office with the use of our HD-ILT network (High Definition Instructor Led Training)
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service

- Dedicated account manager to suggest the optimal learning path for you and your team
- Enthusiastic Student Services team available to answer any questions and ensure a quality training experience