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

Duration: 5 Days **Course Code: RH199** **Delivery Method: Virtual Learning**

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® 10 and is designed for those who already have significant experience with Linux administration. This accelerated course combines essential content from Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134) to help students operate, manage, and maintain a Red Hat Enterprise Linux system.
This course is based on Red Hat Enterprise Linux 10.

Virtueel en Klassikaal™

Virtueel en Klassikaal™ is een eenvoudig leerconcept en biedt een flexibele oplossing voor het volgen van een klassikale training. Met Virtueel en Klassikaal™ kunt u zelf beslissen of u een klassikale training virtueel (vanuit huis of kantoor)of fysiek op locatie wilt volgen. De keuze is aan u! Cursisten die virtueel deelnemen aan de training ontvangen voor aanvang van de training alle benodigde informatie om de training te kunnen volgen.

Target Audience:

System administrators, platform engineers, developers, and other IT professionals who have a foundational understanding of the Linux command line, and are seeking to learn key tasks to administer a Red Hat Enterprise Linux system.

Objectives:

- Manage users, groups, and authentication
- Manage packages with a new repository structure and AppStream modules
- Use and manage desktop software by using Flatpak
- Manage processes, scheduling, and tuning
- Configure network services and security
- Create storage devices, volumes, and file systems, including Stratis storage management
- Perform server management with the Cockpit web management utility
- Troubleshoot problems and obtain support

Prerequisites:

- Familiarity with fundamental Linux computing concepts, experience as a Linux user, and readiness to perform 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, Red Hat recommends that you start by taking the Red Hat System Administration I (RH124) course instead.

Testing and Certification

Red Hat Certified System Administrator (RHCSA) exam (EX200)

Content:

Registering Systems for Red Hat Support

Register a system by using your Red Hat account to get support services and software that Red Hat provides.

Managing Files from the Command Line

Copy, move, create, delete, and organize files from the command line.

Editing Text Files

Create, view, and edit text files from the command line.

Managing Local Users and Groups

Obtain superuser access to a system; create, manage, and delete local users and groups; and administer local password policies.

Controlling Access to Files

Set standard permissions on files and interpret the security effects of different permission settings.

Installing and Updating Software with RPM

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

Installing and Updating Applications by using Flatpak

Install, upgrade, and use desktop software from the Red Hat Ecosystem Catalog by using Flatpak.

Accessing Removable Media

Access file systems on removable media devices by mounting them on a directory in the file-system hierarchy.

Monitoring and Managing Linux Processes

Investigate, control, and terminate processes that run on a Red Hat Enterprise Linux System.

Controlling Services and Daemons

Control and monitor the system services and daemons that systemd starts.

Managing Network Configuration

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

Scheduling System Tasks

Schedule system programs that must run on a recurring basis to support daemons or operating system functions.

Analyzing and Storing Logs

Locate and interpret system logs for troubleshooting purposes, and ensure accurate timestamps for log events.

Managing Security with SELinux

Protect systems and manage security by using SELinux.

Managing Basic Storage

Manage storage devices by creating partitions, file systems, and swap spaces from the command line.

Managing Storage with Logical Volume Manager

Use Logical Volume Manager (LVM) to manage logical volumes that can contain file systems and swap spaces.

Controlling and Troubleshooting the Boot Process

Manage how the system boots to control which services start and to troubleshoot and repair boot-time problems.

Recovering Superuser Access

Gain administrative access to a system when the superuser password is unknown or is locked.

Managing Network Security

Control network connections to services by using the system firewall, and network services that can bind to particular ports by using SELinux.

Accessing Network-attached Storage

Access network-attached storage that is provided by using the Network File System (NFS) protocol, either manually or by using the automounter.

Comprehensive Review

Practice skills learned in *RHCSA Repaid Track Course*.

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 system administrators to provide better system reliability, to improve efficient system and storage utilization, and to respond faster and more accurately to system failures. This course will lay the foundation for 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.
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 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 030 - 60 89 444

info@globalknowledge.nl

www.globalknowledge.com/nl-nl/

Iepenhoeve 5, 3438 MR Nieuwegein