



System Administration II

Duration: 5 Days Course Code: RH134

Overview:

Focuses on the key tasks needed to become a full-time Linux administrator

Red Hat System Administration II (RH134) serves as the second part of the RHCSA training track for IT professionals who have taken Red Hat System Administration I (RH124). The course goes deeper into core Linux system administration skills in storage configuration and management, installation and deployment of Red Hat® Enterprise Linux®, management of security features such as SELinux, control of recurring system tasks, management of the boot process and troubleshooting, basic system tuning, and command-line automation and productivity. .

Experienced Linux administrators looking for rapid preparation for the RHCSA certification should instead start with RHCSA Rapid Track (RH199).

This course is based on Red Hat Enterprise Linux 8.2.

Course summary:

- Install Red Hat Enterprise Linux using scalable methods
 - Access security files, file systems, and networks
 - Execute shell scripting and automation techniques
 - Manage storage devices, logical volumes, and file systems
 - Manage security and system access
 - Control the boot process and system services
 - Running containers
-

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:

- | | |
|--|---------------------------------|
| ■ You should be able to demonstrate these skills: | ■ Access network file systems |
| ■ Install Red Hat Enterprise Linux using Kickstart | ■ Manage SELinux |
| ■ Manage file systems and logical volumes | ■ Control firewalls |
| ■ Manage scheduled jobs | ■ Perform troubleshooting tasks |
-

Content:

Improve command line productivity	Protect and manage the security of a server by using SELinux.	Control the boot process
Run commands more efficiently by using advanced features of the Bash shell, shell scripts, and various utilities provided by Red Hat Enterprise Linux.	Manage basic storage	Manage the boot process to control services offered and to troubleshoot and repair problems.
Schedule future tasks	Create and manage storage devices, partitions, file systems, and swap spaces from the command line.	Manage network security
Schedule commands to run in the future, either one time or on a repeating schedule.	Manage logical volumes	Control network connections to services using the system firewall and SELinux rules.
Tune system performance	Create and manage logical volumes containing file systems and swap spaces from the command line.	Install Red Hat Enterprise Linux
Improve system performance by setting tuning parameters and adjusting scheduling priority of processes.	Implement advanced storage features	Install Red Hat Enterprise Linux on servers and virtual machines.
Control access to files with ACLs	Manage storage using the Stratis local storage management system and use VDO volumes to optimize storage space in use.	Run Containers
Interpret and set access control lists (ACLs) on files to handle situations requiring complex user and group access permissions.	Access network-attached storage	Obtain, run, and manage simple, lightweight services as containers on a single Red Hat Enterprise Linux server.
Manage SELinux security	Use the NFS protocol to administer network-attached storage.	

Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

training@globalknowledge.qa

www.globalknowledge.com/en-qa/

Global Knowledge, Qatar Financial Center, Burj Doha, Level 21, P.O.Box 27110, West Bay, Doha, Qatar