System Administration II

Duration: 4 Days   **Course Code: RH134**   **Delivery Method: Virtual Learning**

Overview:

Build the skills to perform 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 9.0.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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 supportManaging systems for monitoring system performance and availability Writing and deploying scripts for task automation and system administration

Objectives:

- 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

- Run containers

Prerequisites:

- Successful completion of Red Hat System Administration I (RH124) is recommended.
- Experienced Linux administrators seeking to accelerate their path toward becoming a Red Hat Certified System Administrator should start with the RHCSA Rapid Track course (RH199).
- RH124 - System Administration I
- RH199 - Fast Track RHCSA (RH124 + RH134) - without exam

Testing and Certification

- Red Hat Certified System Administration exam (EX200)
- Red Hat System Administration III: Linux Automation (RH294)

Follow-on-Courses:

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

Content:

Improve command line productivity	Protect and manage the security of a server by using SELinux.	Manage network security
Run commands more efficiently by using advanced features of the Bash shell, shell scripts, and various utilities provided by Red Hat Enterprise Linux.	Manage logical volumes	Control network connections to services using the system firewall and SELinux rules.
	Create and manage logical volumes containing file systems and swap spaces from the command line.	Install Red Hat Enterprise Linux
Schedule future tasks		Install Red Hat Enterprise Linux on servers and virtual machines.
Schedule commands to run in the future, either one time or on a repeating schedule.	Access network-attached storage	Run Containers
Tune system performance	Use the NFS protocol to administer network-attached storage.	Obtain, run, and manage simple, lightweight services as containers on a single Red Hat Enterprise Linux server.
Improve system performance by setting tuning parameters and adjusting scheduling priority of processes.	Control the boot process	
Manage SELinux security	Manage the boot process to control services offered and to troubleshoot and repair problems.	

Additional Information:

Impact on the organization
This training provides your team members with a solid foundation in Linux system administration, helping ensure improved ability to manage your infrastructure efficiently. This helps provide better system reliability, improve efficient system and storage utilization, and faster and more accurate responsiveness to system failures. This is the second of a two course series that takes a computer professional from minimal Linux experience to being 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 the key tasks needed to become a full-time Linux administrator. Students will be introduced to more advanced administrative topics, such as storage management using LVM, SELinux management, and automated installation. This course goes deeper into enterprise Linux administration, including file systems and partitioning, logical volumes, SELinux, firewall configuration, and troubleshooting.

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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