Red Hat System Administration II (RH134)

Price	Duration	Delivery Methods
$5,000.00	5 Days	VILT, Private Group

Red Hat System Administration II (RH134) is designed as the second part of the Red Hat® Certified System Administrator (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, including storage configuration, security feature management, task control, and installation and deployment of Red Hat® Enterprise Linux.

Who Should Attend

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 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).

Course Objectives

You should be able to demonstrate these skills:

- - Install Red Hat Enterprise Linux using Kickstart
- - Manage file systems and logical volumes
- - Manage scheduled jobs
- - Access network file systems
- - Manage SELinux
- - Control firewalls
- - Perform troubleshooting tasks

Agenda

1 - AUTOMATE INSTALLATION WITH KICKSTART

- Automate the installation of Red Hat Enterprise Linux systems with Kickstart.

2 - USE REGULAR EXPRESSIONS WITH GREP

- Write regular expressions that, when partnered with grep, will allow you to quickly isolate or locate content within text files.

3 - CREATE AND EDIT TEXT FILES WITH VIM

- Introduce the vim text editor, with which you can open, edit, and save text files.

4 - SCHEDULE FUTURE LINUX TASKS

- Schedule tasks to automatically execute in the future.

5 - MANAGE PRIORITY OF LINUX PROCESSES

- Influence the relative priorities at which Linux processes run.

6 - CONTROL ACCESS TO FILES WITH ACCESS CONTROL LISTS (ACL)

- Manage file security using POSIX access control lists.

7 - MANAGE SELINUX SECURITY

- Manage the Security Enhanced Linux (SELinux) behavior of a system to keep it secure in case of a network service compromise.

8 - CONNECT TO NETWORK-DEFINED USERS AND GROUPS

- Configure systems to use central identity management services.

9 - ADD DISKS, PARTITIONS, AND FILE SYSTEMS TO A LINUX SYSTEM

- Manage simple partitions and file systems.

10 - MANAGE LOGICAL VOLUME MANAGEMENT (LVM) STORAGE

- Manage logical volumes from the command line.

11 - ACCESS NETWORKED ATTACHED STORAGE WITH NETWORK FILE SYSTEM (NFS)

- Access (secure) NFS shares.

12 - ACCESS NETWORKED STORAGE WITH SMB

- Use autofs and the command line to mount and unmount SMB file systems.

13 - CONTROL AND TROUBLESHOOT THE RED HAT ENTERPRISE LINUX BOOT PROCESS

14 - LIMIT NETWORK COMMUNICATION WITH FIREWALL

- Configure a basic firewall.

15 - COMPREHENSIVE REVIEW

- Practice and demonstrate knowledge and skills learned in this course.