

Red Hat System Administration II (RH134)

Length: 5 Days

Summary: This course is designed as the second part of the Red Hat® Certified System Administrator (RHCSA®) training track for IT professionals. It builds upon and lends context to the foundational knowledge that you gained in Red Hat System Administration I (RH124), going deeper into core Linux® system administration skills, including storage configuration, security feature management, task control, and installation and deployment of Red Hat® Enterprise Linux.

Course Content

- 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

Prerequisites: Red Hat System Administration I (RH124)

COURSE CONTENT

1 - IMPROVE COMMAND LINE PRODUCTIVITY

- Run commands more efficiently by using advanced features of the bash shell, shell scripts, and various utilities provided by Red Hat Enterprise Linux.

2 - SCHEDULE FUTURE TASKS

- Schedule commands to run in the future, either one time or on a repeating schedule.

3 - TUNE SYSTEM PERFORMANCE

- Improve system performance by setting tuning parameters and adjusting scheduling priority of processes.

4 - CONTROL ACCESS TO FILES WITH ACLS

- Interpret and set access control lists (ACLs) on files to handle situations requiring complex user and group access permissions.

5 - MANAGE SELINUX SECURITY

- Protect and manage the security of a server by using SELinux.

6 - MAINTAIN BASIC STORAGE

- Create and manage storage devices, partitions, file systems, and swap spaces from the command line.

7 - MANAGE LOGICAL VOLUMES

- Create and manage logical volumes containing file systems and swap spaces from the command line.

8 - IMPLEMENT ADVANCED STORAGE FEATURES

- Manage storage using the Stratis local storage management system and use VDO volumes to optimize storage space in use.

9 - ACCESS NETWORK-ATTACHED STORAGE

- Use the NFS protocol to administer network-attached storage.

10 - CONTROL THE BOOT PROCESS

- Manage the boot process to control services offered and to troubleshoot and repair problems.

11 - MANAGE NETWORK SECURITY

- Control network connections to services using the system firewall and SELinux rules.

12 - INSTALL RED HAT ENTERPRISE LINUX

- Install Red Hat Enterprise Linux on servers and virtual machines.