

Red Hat System Administration II (RH134)

Duration 4 Days

COURSE DESCRIPTION

This course goes deeper into enterprise Linux administration including file systems and partitioning, logical volumes, SELinux, firewalling, and troubleshooting. Attending both Red Hat System Administration I and Red Hat System Administration II can help you in your preparation for the Red Hat Certified System Administrator exam (EX200).

COURSE OBJECTIVES

As a result of attending this course, students 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.

Students should be able to demonstrate the following skills:

- Automate installations using Kickstart
- Manage file systems and logical volumes
- Manage scheduled jobs
- Access network file systems
- Manage SELinux
- Control firewalls
- Perform troubleshooting tasks

COURSE OUTLINE

- **Automate installation with Kickstart**
Automate the installation of Red Hat Enterprise Linux systems with Kickstart.
- **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.
- **Create and Edit text files with vim**
Introduce the vim text editor, with which you can open, edit, and save text files.
- **Schedule future Linux tasks**
Schedule tasks to automatically execute in the future.
- **Manage priority of Linux processes**
Influence the relative priorities at which Linux processes run.
- **Control access to files with access control lists (ACL)**
Manage file security using POSIX access control lists.
- **Manage SELinux security**
Manage the Security Enhanced Linux (SELinux) behavior of a system to keep it secure in case of a network service compromise.

- **Connect to network-defined users and groups**
Configure systems to use central identity management services.
- **Add disks, partitions, and file systems to a Linux system**
Manage simple partitions and file systems.
- **Manage logical volume management (LVM) storage**
Manage logical volumes from the command line.
- **Access networked attached storage with network file system (NFS)**
Access (secure) NFS shares.
- **Access networked storage with SMB**
Use autofs and the command line to mount and unmount SMB file systems.
- **Control and troubleshoot the Red Hat Enterprise Linux boot process**
- **Limit network communication with firewall**
Configure a basic firewall.
- **Comprehensive review**
Practice and demonstrate knowledge and skills learned in this course.

WHO SHOULD ATTEND

This course is singularly designed for students who have completed Red Hat System Administration I (RH124). The organization of topics is such that it is not appropriate for student to use RH134 as a curriculum entry point. Students who have not taken a previous Red Hat course are encouraged to take either System Administration I if they are new to Linux, or the RHCSA Fast Track course (RH200) if they are experienced with enterprise Linux administration.