



Red Hat System Administration II

RH134; 4 Days, Instructor-led

Course Description

This course is specifically designed for students who have completed Red Hat® System Administration I (RH124). Red Hat System Administration II (RH134) focuses on the key tasks needed to become a full time Linux® administrator.

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).

At Course Completion

- Installation using Kickstart
- Manage filesystems and logical volumes
- Manage scheduled jobs
- Access network filesystems
- Manage SELinux
- Control firewalling
- Troubleshooting

Audience

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.

Prerequisites

Red Hat System Administration I (RH124)

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.

Recommended Exam/Course

- Red Hat Certified System Administration exam (EX200)
- Red Hat System Administration III (RH254)
- Red Hat System Administration III with exam (RH255)
- Red Hat Performance Tuning (RH442)
- Red Hat Server Hardening (RH413)