Red Hat System Administration II (RH134)

Duration: 5 Days
Method: Instructor-Led Training (ILT)

Certification: Red Hat Certified System Administrator (RHCSA) — *Exam:* EX200

Course Description

This course goes deeper into enterprise Linux administration including file systems and partitioning, logical volumes, SELinux, firewalling, and troubleshooting. It focuses on the key tasks needed to become a full-time Linux® administrator. Attending both Red Hat System Administration I and Red Hat System Administration II can help you in your preparation for the certification exam.

Target Audience

This course is intended for:

- IT professionals across a broad range of disciplines who need to perform essential Linux administration tasks including installation, establishing network connectivity, managing physical storage, and basic security administration.

Prerequisites

To attend this course, attendees must have completed the preliminary course:

- *Red Hat System Administration I (RH124)*

Course Objectives

Upon successful completion of this course, attendees 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 Topics

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) behaviour 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.