

Red Hat System Administration II with RHCSA Exam (RH135)

Course Overview

This is a 5-day class

This course focuses on the key tasks needed to become a full time Linux administrator and goes deeper into enterprise Linux administration including file systems and partitioning, logical volumes, SELinux, firewalling, and troubleshooting.



Who Should Attend

IT professionals who have attended Red Hat System Administration I and want the skills to be full-time enterprise Linux administrators and/or earn RHCSA certifications.

Course Objectives

- Install Red Hat Enterprise Linux using scalable methods
- Access security files, file systems, and networks
- Execute shell scripting and automation techniques
- Manage storage devices, logical volumes, and file systems
- Manage security and system access
- Control the boot process and system services

Other Prerequisites

Red Hat System Administration I RHEL7 (RH124)

Course Outline

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.

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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

Limit network communication with firewall, Configure a basic firewall.

14 Comprehensive review

Practice and demonstrate knowledge and skills learned in this course.