

Red Hat System Administration II with RHCSA Exam

Duration: 5 Days Course Code: RH135

Overview:

A follow-up course for students that have completed Red Hat® System Administration I (RH124), Red Hat System Administration II with RHCSA Exam (RH135) is designed for IT professionals working to become full-time enterprise Linux® system administrators. Building on the foundation of command-line skills covered in System Administration I, students will dive deeper into Red Hat Enterprise Linux to broaden their toolkits of administration skills. By the end of this course, students will be able to administer and troubleshoot file systems and partitioning, logical volume management, access control, and package management. Students who attend Red Hat System Administration I and II will be fully prepared to take the Red Hat Certified System Administration (RHCSA) exam.

Note: This course is intended to be taken following Red Hat System Administration I and does not cover all RHCSA exam tasks. Students with solid Linux command-line skills seeking to take only one course before attempting the RHCSA exam should consider the RHCSA Rapid Track Course (RH200).

Target Audience:

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

Objectives:

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| ■ Network configuration and troubleshooting | ■ |
| ■ | ■ Essential command-line operations |
| ■ Managing file systems and logical volumes | ■ |
| ■ | ■ Troubleshooting file systems and partitioning |
| ■ Controlling user and file access | ■ |
| ■ | ■ LVM, access control, and package management |
| ■ Installing and managing services and processes | |

Prerequisites:

- RH124, Red Hat System Administration I

Testing and Certification

- This course prepares you for these credentials:
- Red Hat Certified System Administrator — RHCSA

Follow-on-Courses:

- RHCSA Exam (EX200) Hands-on, performance-based, 2.5-hour exam.
- Red Hat System Administration III with RHCSA and RHCE Exams (RH255)

Content:

Automated installations of Red Hat® Enterprise Linux®

- Objective: Create and manage kickstart configuration files; perform installations using kickstart.

Accessing the command line

- Objective: Access the command line locally and remotely; gain administrative privileges from the command line.

Intermediate command-line tools

- Objective: Use hardlinks, archives and compression, and vim.

Regular expressions, pipelines, and I/O redirection

- Objective: Use regular expressions to search patterns in files and output; redirect and pipe output.

Network configuration and troubleshooting

- Objective: Configure network settings; troubleshoot network issues.

Managing simple partitions and file systems

- Objective: Create and format simple partitions, swap partitions, and encrypt partitions.

Managing flexible storage with the Logical Volume Manager (LVM)

- Objective: Implement LVM and LVM snapshots.

Accessing network file-sharing services: NFS and CIFS

- Objective: Implement NFS, CIFS, and autofs.

Managing user accounts

- Objective: Manage user accounts, including password aging.

Network user accounts with LDAP

- Objective: Connect to a central LDAP directory service.

Controlling access to files

- Objective: Manage group memberships, file permissions, and access control lists (ACL).

Managing SELinux

- Objective: Activate and deactivate SELinux; set file contexts; manage SELinux booleans; analyze SELinux logs.

Installing and managing software

- Objective: Manage software and query information with yum; configure client-side yum repository files.

Managing installed services

- Objective: Managing services; verify connectivity to a service.

Analyzing and storing logs

- Objective: Managing logs with rsyslog and logrotate.

Managing processes

- Objective: Identify and terminate processes, change the priority of a process, and use cron and at to schedule processes.

Tuning and maintaining the kernel

- Objective: List, load, and remove modules; use kernel arguments.

System recovery techniques

- Objective: Understand the boot process and resolve boot problems.

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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