

## [RH134]: Red Hat System Administration II

Length : 4 Days  
Audience(s) : IT Professionals  
Delivery Method : Instructor-led (Classroom)

### Course Overview

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 participants in their preparation for the Red Hat Certified System Administrator exam (EX200).

### Audience Profile

This course is singularly designed for participants who have completed Red Hat System Administration I (RH124). The organization of topics is such that it is not appropriate for participants to use RH134 as a curriculum entry point. Participants 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.

### At Course Completion

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

### Pre-Requisites

- Red Hat System Administration I (RH124)

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## Course Outline

### Module 1: Automate installation with Kickstart

#### Lessons

- Automate the installation of Red Hat Enterprise Linux systems with Kickstart

### Module 2: Use regular expressions with grep

#### Lessons

- Write regular expressions that, when partnered with grep, will allow you to quickly isolate or locate content within text files

### Module 3: Create and Edit text files with vim

#### Lessons

- Introduce the vim text editor, with which you can open, edit, and save text files

### Module 4: Schedule future Linux tasks

#### Lessons

- Schedule tasks to automatically execute in the future

### Module 5: Manage priority of Linux processes

#### Lessons

- Influence the relative priorities at which Linux processes run

### Module 6: Control access to files with access control lists (ACL)

#### Lessons

- Manage file security using POSIX access control lists

### Module 7: Manage SELinux security

#### Lessons

- Manage the Security Enhanced Linux (SELinux) behavior of a system to keep it secure in case of a network service compromise

### Module 8: Connect to network-defined users and groups

#### Lessons

- Configure systems to use central identity management services

### Module 9: Add disks, partitions, and file systems to a Linux system

#### Lessons

- Manage simple partitions and file systems

### Module 10: Manage logical volume management (LVM) storage

#### Lessons

- Manage logical volumes from the command line

### Module 11: Access networked attached storage with network file system (NFS)

#### Lessons

- Access (secure) NFS shares

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## **Module 12: Access networked storage with SMB**

### **Lessons**

- Use autofs and the command line to mount and unmount SMB file systems

## **Module 13: Control and troubleshoot the Red Hat Enterprise Linux boot process**

## **Module 14: Limit network communication with firewall**

### **Lessons**

- Configure a basic firewall

## **Module 15: Comprehensive review**

### **Lessons**

- Practice and demonstrate knowledge and skills learned in this course

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