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Technology: Red Hat Difficulty: Beginner

**Course Duration: 5 Days** 

# Red Hat System Administrator II (RH134)

#### **About this Course:**

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).

## **Course Objectives:**

- 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.

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