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**Learning Style: Virtual Classroom**

**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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