

## Red Hat System Administration II with RHCSA Exam (RH 135)

### **COURSE OVERVIEW:**

This version of the course relates to Red Hat Enterprise Linux 7. This course is specifically designed for students who have completed Red Hat System Administration I (RH124). This version of the course includes the Red Hat Certified System Administrator Exam (EX200).

Red Hat System Administration II (RH135) focuses on the key tasks needed to become a full time Linux administrator. 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 you in your preparation for the Red Hat Certified System Administrator exam (EX200).

*To Purchase the Class Only and Not Include the Exam For RH 135 Please Enter Promo Code: NOEXAM When Registering for This Class*

### **TARGET 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 Rapid Track Course (RH200) if they are experienced with enterprise Linux administration.

### **PREREQUISITES:**

Red Hat System Administration I (RH124).

### **COURSE OBJECTIVES:**

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

### **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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