

Module 2: **RH134 Red Hat System Administration II**

Pre-Requisites

- RH124 Red Hat System Administration I or equivalent experience with Red Hat Linux.
- Target Audience
- IT professionals who have attended Red Hat System Administration I and want the skills to be full-time enterprise
- Linux administrators and/or earn RHCSA certifications

Course Outline

- Unit 1: Automated Installations of Red Hat Enterprise Linux
-Objectives: Create and manage kickstart configuration files; perform installations using kickstart
 - Unit 2: Accessing the Command Line
-Objectives: Access the command line locally and remotely; gain administrative privileges from the command line
 - Unit 3: Intermediate Command Line Tools
-Objectives: Use hardlinks, archives and compression, and vim
 - Unit 4: Regular Expressions, Pipelines, and I/O Redirection
-Objectives: Use regular expressions to search patterns in files and output; redirect and pipe output
 - Unit 5: Network Configuration and Troubleshooting
-Objectives: Configure network settings; troubleshoot network issues
 - Unit 6: Managing Simple Partitions and Filesystems
-Objectives: Create and format simple partitions, swap partitions, and encrypted partitions
 - Unit 7: Managing Flexible Storage with the Logical Volume Manager (LVM)
-Objectives: Implement LVM and LVM snapshots
 - Unit 8: Access Network File Sharing Services; NFS and CIFS
-Objectives: Implement NFS, CIFS, and autofs
 - Unit 9: Managing User Accounts
-Objectives: Manage user accounts including password aging
 - Unit 10: Network User Accounts with LDAP
-Objectives: Connect to a central LDAP directory service
 - Unit 11: Controlling Access to Files
-Objectives: Manage group memberships, file permissions, and access control lists
- (ACL)
- Unit 12: Managing SELinux
- Objectives: Activate and deactivate SELinux; set file contexts; manage SELinux booleans; analyze SELinux logs
 - Unit 13: Installing and Managing Software
-Objectives: Manage software and query information with yum; configure client-side yum repository files
 - Unit 14: Managing Installed Services
-Objectives: Managing services; verify connectivity to a service
 - Unit 15: Analyzing and Storing Logs
-Objectives: Managing logs with rsyslog and logrotate

- **Unit 16: Managing Processes**
 - Objectives: Identify and terminate processes, change the priority of a process, and use cron and at to schedule processes
- **Unit 17: Tuning and Maintaining the Kernel**
 - Objectives: List, load, and remove modules; use kernel arguments
- **Unit 18: System Recovery Techniques**
 - Objectives: Understand the boot process and resolve boot problems