

APEX COMPUTER EDUCATION

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Best Red Hat System Administration (RHCSA) Training

Red Hat System Administration I (RH124)

- **Introduction to Red Hat Enterprise Linux**
 - Define and explain the following concepts: open source, Linux, Linux distributions, and Red Hat Enterprise Linux.
- **Accessing the Command Line**
 - Log in to a Linux system and run simple commands by using the shell.
- **Getting Help from Local Documentation**
 - Resolve problems by using information in local help systems and documentation.
- **Registering Systems for Red Hat Support**
 - Register a system by using your Red Hat account to get support services and software that Red Hat provides.
- **Getting AI-assisted Help with RHEL Lightspeed**
 - Get AI-driven guidance and suggestions to efficiently manage a RHEL server by using Red Hat Enterprise Linux Lightspeed.
- **Navigating the File-system Hierarchy**

- Describe the organization of files in the Linux file-system hierarchy and specify files by name, by using relative paths or absolute paths.
- **Managing Files from the Command Line**
 - Copy, move, create, delete, and organize files from the command line.
- **Editing Text Files**
 - Create, view, and edit text files from the command line.
- **Redirecting Shell Input and Output**
 - Redirect the output of commands and input to commands, by using Bash.
- **Managing Local Users and Groups**
 - Obtain superuser access to a system; create, manage, and delete local users and groups; and administer local password policies.
- **Controlling Access to Files**
 - Set standard permissions on files and interpret the security effects of different permission settings.
- **Installing and Updating Software with RPM**
 - Download, install, update, and manage software packages from Red Hat and DNF package repositories.
- **Installing and Updating Applications by Using Flatpak**
 - Install, upgrade, and use desktop software from the Red Hat Ecosystem Catalog by using Flatpak.
- **Accessing Removable Media**

- Access file systems on removable media devices by mounting them on a directory in the file-system hierarchy.
- **Monitoring and Managing Linux Processes**
 - Investigate, control, and terminate processes that run on a Red Hat Enterprise Linux system.
- **Controlling Services and Daemons**
 - Control and monitor the system services and daemons that systemd starts.
- **Introduction to Networking**
 - Describe basic TCP/IP networking concepts and investigate the current network configuration and functionality on a server.
- **Managing Network Configuration**
 - Configure network interfaces and settings on Red Hat Enterprise Linux servers.
- **Configuring and Securing SSH**
 - Protect SSH communication by managing host keys and by implementing key-based authentication for users.
- **Comprehensive Review**
 - Practice skills learned in Red Hat System Administration I.