



redhat
CERTIFIED
SYSTEM
ADMINISTRATOR

Red Hat Certified Systems Administrator (RHCSA)

RH124: Red Hat System Administration-I

Outline for this course:

- Access the command line
 - Log in to a Linux system and run simple commands using the shell.
- Manage files from the command line
 - Copy, move, create, delete, and organize files from the bash shell prompt.
- Get help in Red Hat Enterprise Linux
 - Resolve problems by using online help systems and Red Hat support utilities.
- Create, view, and edit text files
 - Create, view, and edit text files from command output or in an editor.
- Manage local Linux users and groups
 - Manage local Linux users and groups, and administer local password policies.
- Control access to files with Linux file system permissions
 - Set Linux file system permissions on files and interpret the security effects of different permission settings.
- Monitor and manage Linux processes
 - Obtain information about the system, and control processes running on it.
- Control services and daemons
 - Control and monitor network services and system daemons using systemd
- Configure and secure OpenSSH service
 - Access and provide access to the command line on remote systems securely using OpenSSH
- Analyze and store logs
 - Locate and accurately interpret relevant system log files for troubleshooting purposes.
- Manage Red Hat Enterprise Linux networking
 - Configure basic IPv4 networking on Red Hat Enterprise Linux systems.
- Archive and copy files between systems
 - Archive files and copy them from one system to another.
- Install and update software packages
 - Download, install, update, and manage software packages from Red Hat and yum package repositories.
- Access Linux file systems
 - Access and inspect existing file systems on a Red Hat Enterprise Linux system.
- Use virtualized systems
 - Create and use Red Hat Enterprise Linux virtual machines with KVM and libvirt.
- Comprehensive review
 - Practice and demonstrate the knowledge and skills learned in this course.

RH134: Red Hat System Administration-II

Outline for this course:

- 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.