



Outline for this course- RH124

1. Access the command line

Log in to a Linux system and run simple commands using the shell.

2. Manage files from the command line

Copy, move, create, delete, and organize files from the bash shell prompt.

3. Get help in Red Hat Enterprise Linux

Resolve problems by using online help systems and Red Hat support utilities.

4. Create, view, and edit text files

Create, view, and edit text files from command output or in an editor.

5. Manage local Linux users and groups

Manage local Linux users and groups, and administer local password policies.

6. 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.

7. Monitor and manage Linux processes

Obtain information about the system, and control processes running on it.

8. Control services and daemons

Control and monitor network services and system daemons using systemd

9.Configure and secure OpenSSH service

Access and provide access to the command line on remote systems securely using OpenSSH

10.Analyze and store logs

Locate and accurately interpret relevant system log files for troubleshooting purposes.

11.Manage Red Hat Enterprise Linux networking

Configure basic IPv4 networking on Red Hat Enterprise Linux systems.

12.Archive and copy files between systems

Archive files and copy them from one system to another.

13.Install and update software packages

Download, install, update, and manage software packages from Red Hat and yum package repositories.

14.Access Linux file systems

Access and inspect existing file systems on a Red Hat Enterprise Linux system.

15.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.

Outline for this course-RH134

1. Automate installation with Kickstart

Automate the installation of Red Hat Enterprise Linux systems with Kickstart.

2. 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.

3. Create and Edit text files with vim

Introduce the vim text editor, with which you can open, edit, and save text files.

4. Schedule future Linux tasks

Schedule tasks to automatically execute in the future.

5. Manage priority of Linux processes

Influence the relative priorities at which Linux processes run.

6. Control access to files with access control lists (ACL)

Manage file security using POSIX access control lists.

7. Manage SELinux security

Manage the Security Enhanced Linux (SELinux) behavior of a system to keep it secure in case of a network service compromise.

8.Connect to network-defined users and groups

Configure systems to use central identity management services.

9.Add disks, partitions, and file systems to a Linux system

Manage simple partitions and file systems.

10.Manage logical volume management (LVM) storage

Manage logical volumes from the command line.

11.Access networked attached storage with network file system (NFS)

Access (secure) NFS shares.

12.Access networked storage with SMB

Use autofs and the command line to mount and unmount SMB file systems.

13.Control and troubleshoot the Red Hat Enterprise Linux boot process

14.Limit network communication with firewall

Configure a basic firewall.

15.Comprehensive review

Practice and demonstrate knowledge and skills learned in this course.

Outline for this course-RH254

1.Control services and daemons

Review how to manage services and the boot-up process using systemctl

2.Manage IPv6 networking

Configure and troubleshoot basic IPv6 networking on Red Hat Enterprise Linux systems

3.Configure link aggregation and bridging

Configure and troubleshoot advanced network interface functionality including bonding, teaming, and local software bridges

4.Control network port security

Permit and reject access to network services using advanced SELinux and firewalld filtering techniques

5.Manage DNS for servers

Set and verify correct DNS records for systems and configure secure DNS caching

6.Configure email delivery

Relay all email sent by the system to an SMTP gateway for central delivery

7.Provide block-based storage

Provide and use networked iSCSI block devices as remote disks

8. Provide file-based storage

Provide NFS exports and SMB file shares to specific systems and users

9. Configure MariaDB databases

Provide a MariaDB SQL database for use by programs and database administrators

10. Provide Apache HTTPD web service

Configure Apache HTTPD to provide Transport Layer Security (TLS)-enabled websites and virtual hosts

11. Write Bash scripts

Write simple shell scripts using Bash

12. Bash conditionals and control structures

Use Bash conditionals and other control structures to write more sophisticated shell commands and scripts

13. Configure the shell environment

Customize Bash startup and use environment variables, Bash aliases, and Bash functions

14. Linux containers preview

Preview the capabilities of Linux containers, Docker, and other related technologies in Red Hat Enterprise Linux 7

15. Comprehensive review

Practice and demonstrate knowledge and skills learned in Red Hat System Administration III

