

RH124: Red Hat System Administration – I (RHEL9)

Course Outline

1. Get started with Red Hat Enterprise Linux

Describe and define open source, Linux distributions, and Red Hat Enterprise Linux.

2. Access the command line

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

3. Manage files from the command line

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

4. Get help in Red Hat Enterprise Linux

Resolve problems by using local help systems.

5. Create, view, and edit text files

Manage text files from command output or in a text editor.

6. Manage local users and groups

Create, manage, and delete local users and groups, as well as administer local password policies.

7. Control access to files

Set Linux file system permissions on files and interpret the security effects of different permission settings.

8. Monitor and manage Linux processes

Evaluate and control processes running on a Red Hat Enterprise Linux system.

9. Control services and daemons

Control and monitor network services and system daemons using systemd.

10. Configure and secure SSH

Configure secure command line service on remote systems, using OpenSSH.

11. Analyze and store logs

Locate and accurately interpret logs of system events for troubleshooting purposes.

12. Manage networking

Configure network interfaces and settings on Red Hat Enterprise Linux servers.

13. Archive and transfer files

Archive and copy files from one system to another.

14. Install and update software packages

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

15. Access Linux files systems

Access, inspect, and use existing file systems on storage attached to a Linux server.

16. Analyze servers and get support

Investigate and resolve issues in the web-based management interface, getting support from Red Hat to help solve problems.

17. Comprehensive review

Review the content covered in this course by completing hands-on exercises

RH134: Red Hat System Administration – II (RHEL9)

Course Outline

1. Improve command line productivity

Run commands more efficiently by using advanced features of the Bash shell, shell scripts, and various utilities provided by Red Hat Enterprise Linux.

2. Schedule future tasks

Schedule commands to run in the future, either one time or on a repeating schedule.

3. Tune system performance

Improve system performance by setting tuning parameters and adjusting scheduling priority of processes.

4. Manage SELinux security

Protect and manage the security of a server by using SELinux.

5. Manage logical volumes

Create and manage logical volumes containing file systems and swap spaces from the command line.

6. Access network-attached storage

Use the NFS protocol to administer network-attached storage.

7. Control the boot process

Manage the boot process to control services offered and to troubleshoot and repair problems.

8. Manage network security

Control network connections to services using the system firewall and SELinux rules.

9. Install Red Hat Enterprise Linux

Install Red Hat Enterprise Linux on servers and virtual machines.

Run Containers

Obtain, run, and manage simple, lightweight services as containers on a single Red Hat Enterprise Linux server.

