

# Red Hat System Administration I (RH124)

## Outline for this course

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.

### 16. Comprehensive review

- ✓ Practice and demonstrate the knowledge and skills learned in this course.