

## 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.