

## Red Hat System Administration I - RH124

### Course Contents:

- 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 system
- 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.
  - 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.