

Red Hat System Administration I (RH124)

Length: 5 Days

Summary: Red Hat System Administration I provides a foundation for students wishing to become full-time Linux system administrators by introducing key command line concepts and other enterprise-level tools. These concepts are further developed in the follow-on course, Red Hat System Administration II (RH134).

Prerequisites: There are no formal prerequisites for this course; however, previous operating system administration experience will be very beneficial.

Course content summary:

- Access the command line
- Manage files from command line
- Create, view, and edit text files
- Manage local Linux users and groups
- Monitor and manage Linux processes
- Control services and daemons
- Control access to files with Linux file-system permissions
- Analyze and store log files
- Configure and secure the OpenSSH service
- Install and update software packages
- Access Linux file systems
- Manage Linux networking

COURSE CONTENT

- Log in to a Linux system and run simple commands using the shell.
- Copy, move, create, delete, and organize files from the bash shell prompt.
- Resolve problems by using online help systems and Red Hat support utilities.
- Create, view, and edit text files from command output or in an editor.
- Manage local Linux users and groups, and administer local password policies.
- Set Linux file system permissions on files and interpret the security effects of different permission settings.
- Obtain information about the system, and control processes running on it.
- Control and monitor network services and system daemons using systemd
- Access and provide access to the command line on remote systems securely using OpenSSH
- Locate and accurately interpret relevant system log files for troubleshooting purposes.
- Configure basic IPv4 networking on Red Hat Enterprise Linux systems.
- Archive files and copy them from one system to another.
- Download, install, update, and manage software packages from Red Hat and yum package repositories.
- Access and inspect existing file systems on a Red Hat Enterprise Linux system.
- Create and use Red Hat Enterprise Linux virtual machines with KVM and libvirt.
- Practice and demonstrate the knowledge and skills learned in this course.