

## ***Red Hat System Administration I (RH124)***

**Duration: 5 days**

### **Course Description:**

This course relates to Red Hat® Enterprise Linux® 7. Red Hat System Administration I (RH124) is designed for IT professionals without previous Linux administration experience. The course focuses on providing students with Linux administration "survival skills" by focusing on core administration tasks.

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).

### **Audience:**

IT professionals across a broad range of disciplines who need to perform essential Linux administration tasks including installation, establishing network connectivity, managing physical storage, and basic security administration.

### **Prerequisites:**

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

### **Course content:**

#### **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.

## **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.

## **Comprehensive review**

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