

## **Red Hat System Administration I - RH124**

### **Course details**

**Duration: 30 hours**

**Location: Pune**

**Course Outline:**

#### **Unit 1 - Getting Started with the GNOME Graphical Desktop**

- Get started with GNOME and edit text files with gedit

#### **Unit 2 - Manage Files Graphically with Nautilus**

- Manage files graphically and access remote systems with Nautilus

#### **Unit 3 - Get Help in a Graphical Environment**

- Access documentation, both locally and online

#### **Unit 4 - Configure Local Services**

- Configure the date and time and configure a printer

#### **Unit 5 - Manage Physical Storage I**

- Understand basic disk concepts and manage system disks

#### **Unit 6 - Manage Logical Volumes**

- Understand logical volume concepts and manage logical volumes

#### **Unit 7 - Monitor System Resources**

- Manage memory and CPU utilization

#### **Unit 8 - Manage System Software**

- Manage system software locally and using Red Hat Network (RHN)

#### **Unit 9 - Get Started with Bash**

- Understand basic shell concepts, execute simple commands, and use basic job control techniques

### **Unit 10 - Get Help in a Textual Environment**

- Use man and info pages and find documentation in /usr/share/doc

### **Unit 11 - Establish Network Connectivity**

- Understand basic network concepts; configure, manage, and test network settings

### **Unit 12 - Administer Users and Groups**

- Manage users and groups

### **Unit 13 - Manage Files from the Command Line**

- Understand Linux filesystem hierarchy; manage files from the command line

### **Unit 14 - Secure Linux File Access**

- Understand Linux file access mechanisms; manage file access from the GUI and the command line

### **Unit 15 - Administer Remote Systems**

- Share and connect to a desktop; use SSH and rsync

### **Unit 16 - Configure General Services**

- Manage services; configure SSH and remote desktops

### **Unit 17 - Manage Physical Storage II**

- Manage filesystem attributes and swap space

### **Unit 18 - Install Linux Graphically**

- Install Red Hat Enterprise Linux and configure the system with firstboot

### **Unit 19 - Manage Virtual Machines**

- Understand basic virtualization concepts; install and manage virtual machines

### **Unit 20 - Control the Boot Process**

- Understand runlevels and manage GRUB

### **Unit 21 - Deploy File Sharing Services**

- Deploy an FTP server and a web server



## **Unit 22 - Secure Network Services**

- Manage a firewall; understand SELinux concepts and manage SELinux

## **Unit 23 - Comprehensive Review**

- Get a hands-on review of the concepts covered throughout the course