

## Why RHCSA Training and certification:

INNOVATIVE ACADEMY's Best Linux Training in Bangalore is designed so Innovative to help you clear the Redhat Enterprise Linux System Administration (RHCSA) Certification. You will gain excellent knowledge on Linux administration and its Other flavor also like Unix, Ubuntu, fedora, Cent OS.

### RHCSA Course Objectives

Configuration and management of local storage through logical volumes and partitions  
Creation and configuration of file systems, such as access control lists, encryption, permissions, and network file systems  
Controlling and operating services, virtual machines, systems and processes  
Installation, deployment, configuration, update and maintenance of Linux systems  
Utilize the centralized authentication directory for user management and groups  
Security management using firewalls and SELinux configuration

### About our Training:

- The course focuses on mastery of the basic commands involving system administration and network administration of the redhat os, one of the most popular flavours of linux.
- There are no prerequisites for the linux course, although if you're entirely unfamiliar with linux, you're probably best off doing the linux course
- The classes are conducted by the industrial experts for both classroom and online training sessions. The training is completely based on rhcsa and rhce certified exam

### Why choose Innovative Academy for your linux training?

- Experienced technical trainers
- Real Time scenario based lab practical and Hands on Experience Training
- On Time Course Completion
- Comprehensive curriculum, Innovative & interactive Training
- High Pass Rate

### Who can take this Training?

The RHCSA training is ideal for the following professionals:

System Administrators  
Desktop Administrators  
Support Technicians  
Any IT Professional looking to become a Red Hat System Administrator

### Course Curriculum and Duration:

We provide both Class-room Training and Offline Training.

Duration: 40Hrs.

Week days (Mon- Fri 2Hrs per day)

Weekend batches (Sat-Sun 4Hrs per day)

# RH124 System Administrator -1

## Accessing the Command Line

- Recognize the BASH shell based on the default prompt.
- Use Linux efficiently by switching between virtual consoles.
- Display usage messages and be able to interpret a command's syntax.

## Managing Files from the Command Line

- Recognize and Find Familiarity in a File-system Tree,
- Learn Terms Like “root” Directory and Subdirectory.
- Introduction to Different types of Data in Separate System Directories.

## Getting Help in Red Hat Enterprise Linux

- Learn “man” Terminology, Including Topics and Sections.
- Become Aware of The importance of less-noticed man sections.

## Creating, Viewing and Editing Text Files

- Describe the Technical Terms Standard Output, and Standard Error.· Use Redirection

## Characters to Control Output to Files.

- Use Pipe to Control Output to Other Programs.

## Manage Local Linux Users and Groups

- Explain the Role of Users and Groups on a Linux System and How They are understood by the Computer.

## Controlling Access to Files with Linux File-system Permissions

- Explain How the Linux File Permissions Model Works.

## Monitoring and Managing Linux Processes

- Learn the Processes Lifecycle, in Order to better Comprehend Process States.

## Controlling Services and Daemons

- List System Daemons and Network Services Started by System services and Socket units

## Configuring And Securing Open-ssh Service

- Log into a Remote System Using ssh to Run Commands From a Shell Prompt.

## Analyzing and Storing Logs

- Describe the Basic “syslog” Architecture in RHEL7

## Managing RHEL Networking

- Explain Fundamental Concepts of Computer Networking.

## Archiving and Copying Files between Systems

- To Create Backups and Transfer Files Over The Network..

## Installing and Updating Software Packages

- Register System With Your Red Hat Account and Entitle Them to Software Updates for Installed Products.

### **Accessing Linux File-systems**

- Determine which Directories in the File-system Hierarchy are Stored on Which Storage Devices.

### **Using Virtualized Systems**

- Recognize the Consistent Use of KVM Architecture Throughout of Red Hat Product

## **RH134 System Administrator -II Course Outline Unit**

### **Automating Installation with Kickstart**

- Explain Kickstart Concepts and Architecture
- Install and configure Linux using Kickstart

### **Using Regular Expressions with “grep”**

- Create a Regular Expressions that match desired data.

### **Creating and Editing Text files with vim**

- Explain the three main modes of “vim”.

### **Scheduling Future Linux Tasks**

- Scheduling tasks using at and cron.

### **Managing Priority of Linux Processes**

- Explain about Linux Processes and nice values.

### **Controlling Access to Files with Access Control Lists (ACL)**

- Describe ACL's and file system mount options..

### **Managing SELinux Security**

- Explain the Basics of Se-Linux permissions and Context Transitions.
- Display Current Se-Linux Modes.
- Correctly Interpret the Se-Linux Context of a File.
- Identify Current Se-Linux Boolean Settings.

### **Connecting to Network-Defined Users and Groups**

- User authentication using centralized Identity Management Services.

### **Adding Disks, Partitions, and File Systems to a Linux System**

- Create and Delete disk Partitions on disks with an MBR Partitioning Scheme Using “fdisk”.
- Format Devices Using “mkfs”
- Mount File System into the Directory Tree

### **Managing Logical Volume Management (LVM) Storage**

- How to manage high performance LVM storage.

### **Accessing Network Attached Storage with Network File System (NFS)**

- Access , Mount and unmount NFS Shares .

### **Accessing Network Storage with SMB**

- How to mount and unmount smb file-system using the command line.

### **Controlling and Troubleshooting the Red Hat Enterprise Linux Boot Process**

- Describe and Influence the RHEL Boot Process..

### **Limiting Network Communication with Firewalled**

- Configure the Basic Firewall Using “firewalld”, “firewalld-config”and “firewalld-cmd”.

### **Comprehensive Review**

- Comprehensive Review of System Administration 2

