

Red Hat Course Objectives

- Teach Basics of UNIX OS
- Ownership and permissions of the files and directories.
- File and directory permissions
- Manage files and directories in linux OS
- Using VI Editor to edit files
- Installing and managing RedHat OS
- Package management using RPM
- Services, Utilities, necessary Files and Directories
- User and group administration
- File System Security and Management
- Advanced file system Management
- Server Configurations
- Shell Scripting and Kerberos
- Configuring SMB Service, SMTP service and Virtualization
- Advanced Security and Networking concepts
- IPv6 configuration, Kick-start Installation

Why Should You Learn Red Hat Linux

- Working Professionals as Trainers
- 100% Student Trust & credibility
- More Competitive Course Fees
- Certification Assistance
- Practical Sessions include Live Projects

www.apponix.com

Registered Office:-Bangalore: 80505-80888

Hubli: 9069980888

Email-id: info@apponix.com

1: Overview to Linux & Unix based operating systems

- Differences between centos, red hat enterprise linux & fedora
- Difference between UNIX & LINUX
- History of UNIX & Linux

2: Working with Basic Linux Commands

- Access a shell prompt and issue commands with correct syntax
- Use input-output redirection
- Use grep and regular expressions to analyze text
- Access remote systems using SSH
- Log in and switch users in multiuser targets
- Archive, compress, unpack, and uncompress files using tar, star, gzip, and bzip2
- Create and edit text files
- Create, delete, copy, and move files and directories
- Create hard and soft links
- List, set, and change standard ugo/rwx permissions
- Locate, read, and use system documentation including man, info, and files in /usr/share/doc

3: System Configuration

- Installing Linux operating system using ISO image or in AWS cloud.
- Network based installation
- Upgrading kernel using yum
- Boot, reboot, and shut down a system normally
- Boot systems into different targets manually
- Interrupt the boot process in order to gain access to a system
- Identify CPU/memory intensive processes and kill processes

- Manage tuning profiles
- Locate and interpret system log files

- Start, stop, and check the status of network services
- Securely transfer files between systems

4: Configure & Manage Local Storage

- List, create, delete partitions on MBR and GPT disks
- Working on Logical Volume Manager
- Create and remove physical volumes
- Assign physical volumes to volume groups
- Create and delete logical volumes
- Extend file systems
- Add new partitions and logical volumes
- Create & manage swap file system

5: Create and configure file systems

- Create, mount, unmount, and use vfat, ext4, and xfs file systems
- Mount and unmount network file systems
- Extend existing logical volumes
- Resizing the partition using lvm
- Create and configure set-GID directories for collaboration
- Diagnose and correct file permission problems
- Understanding Raid levels (0, 1 and 5)

6: Deploy, configure, and maintain systems

- Schedule tasks using at and cron
- Start and stop services and configure services to start automatically at boot

- Configure systems to boot into a specific target automatically
- Install and update software packages from Red Hat Network, a remote repository, or from the local file system

- Working with RPM
- Modify the system bootloader

7: Manage basic networking

- Configure IPv4 and IPv6 addresses
- Configure hostname resolution
- Configure network services to start automatically at boot

8: Manage users and groups

- Create, delete, and modify local user accounts
- Change passwords and adjust password aging for local user accounts
- Create, delete, and modify local groups and group memberships
- Configure superuser access
- Recovering the super user password

9: System configuration and management

- Use network bonding to configure aggregated network links between two Linux systems
- Route IP traffic and create static routes
- Configure a system to authenticate using Kerberos
- Produce and deliver reports on system utilization commands (processor, memory, disk, and network) like SAR

10: Network services

www.apponix.com

Registered Office:-Bangalore: 80505-80888

Hubli: 9069980888

Email-id: info@apponix.com

DNS

- Understanding how DNS works
- Configure DNS client
- Troubleshoot DNS client issues

NFS

- Setting up NFS server & Clients
- Provide network shares to specific clients
- Provide network shares to other linux systems

SSH

- Configure ssh key-based authentication
- Connecting to remote server without root password

NTP

- Understanding NTP server & client concepts
- Synchronize time using other NTP peers

11: Shell Scripting

- Introduction
- Kernel
- Shell
- How to use Shell
- Common Linux Command Introduction
- Linux commands related with process
- Redirection of Standard output/input
- Redirectors
- Pipes & Filters
- How to Run Shell Scripts

www.apponix.com

Registered Office:-Bangalore: 80505-80888

Hubli: 9069980888

Email-id: info@apponix.com

- Quotes in Shell Scripts
- Shell Arithmetic
- Command Line Processing (Command Line Arguments)
- Exit Status
-