

Linux course Content

Module 1: Red Hat Enterprise Linux Essentials (RH124)

- Linux basics-logging into the system, changing users.
- Understand the Linux file system.
- Running commands and getting help.
- Browsing the file system.
- Open,edit, and save text document using the VIM text editor.
- Text processing tools-grep,cut,sed,sort,diff and patch.
- Perform common tasks using the graphical GNOME GUI.
- Reading and setting permissions on files and directories.
- Graphical configuration tools to manage networking&printing.
- Finding files and directories using text and graphical utilities
- Network clients using web browser,email,chat.
- Regular expressions patterns matching and i/o redirection.
- Customize your X windows system.
- Installing Red hat enterprise Linux.
- Install remove packages using yum,pup &pirut
-

Module 2: Red Hat Enterprise Linux System Administration (RH 135)

- Create and maintain the Linux file system.
- Configure an NFS Client with autofs.
- Understand system boot sequence.
- Understand the Linux kernel and set kernel parameters.
- Configure network in IPV4.
- Configure a workstation as a client to NIS,DNS&DHCP services.
- Install RHEL interactively and with Kickstart.
- Install,remove,query new packages using rpm and yum.
- Printing and administration tools.
- Automate task with at,cron&anacron.
- Backup file system to tape and tar archives.
- Advance user and group administration with SUID/SGID&sticky bit.
- Configure basic host security with acces control list&Selinux.

- Manage and configure GNOME desktop environment.
- Perform basic performance, memory and process management.
- Configure RAID and LVM advanced file system.
- Use Xen Virtualization to create and manage guest OS.
- Perform basic troubleshooting.

Module 3: Red Hat Network Services And Security Administration(RH255)

- System performance and introduction to security.
- Benefits of system monitoring.
- Secure system with SELinux and tcpwrappers.
- Password and kernel security.
- Configure firewall with iptables.
- Deploying DNS and DHCP server.
- Configure and manage FTP, NFS and Samba server.
- Implementing Apache web server.
- Content filtering through squid proxy server.
- Configure and manage mail server with send mail and postfix.
- Securing system with physical, network and local security.
- Secure data with symmetric and asymmetric encryption.
- Account management with Pluggable Authentication Modules.