



Linux Course Curriculum.

Linux Training Syllabus

1. Linux Overview

- What is Linux?
- History of Linux
- Feature of Linux
- Future of Linux

2. Linux Booting

- Boot Sequence of Linux
- Linux Boot Loader

3. Linux Kernel

- What is Kernel
- Kernel Variants
- Kernel Duties

4. Linux Graphical Interface

- Linux Desktop Environments
- Using the GUI

5. Linux Commands

- Using Linux Commands
- Getting Help



6. Text Editors

- VI
- Vim
- Nano
- Gedit

7. User Administration

- Adding Deleting and Modifying User Accounts
- Adding Deleting and Modifying Group Accounts
- Network User Authentication

8. File Permissions

- Managing File Permissions
- Concept of Umask
- SUID, SGID and Sticky Bits

9. Basic System Configuration

- Date & Time Setting
- Network Configuration
- Configuring Printers

10. File System Management

- Partitions & File Systems
- Logical Volume Manager (LVM)
- Disk quota
- Access Control List
- Inode
- Soft and Hard Links
- Archiving and Compressing files



11. Package Management

- rpm
- yum

12. Configuring Schedules

- At
- Cron

13. Managing Services

- Types of Services
- Managing Services

14. Server Configuration

- SSH
- Telnet
- NFS
- FTP
- Samba
- Apache
- Mail Servers
- Squid Proxy Server

15. Managing Securities

- Firewalls
- TCP Wrappers
- SELinux

16. System and Security Monitoring Module



17. Networking and Trouble Shooting

- Basics of network and various networking devices
- Network configuration and Management
- Network testing and Troubleshooting Module

18. Virtualization and its Implementation

- Virtualization concept and practical Implementation
- Creating of LAN within Virtual box.
- Testing with Virtual Box with multiple O.S. Module

19. Linux Advanced Security and hacking

- Password files and their configuration
- User and Root password Breaking
- GRUB Password and its implementation
- GRUB Password Breaking and Counter measures.

20. Mock tests and Interview Questions Samples