

Course Overview

LLC103 Linux System & Network Administration Course is an intensive course designed to rapidly train on skills required for Administering a Linux Server. This course gets a person to advanced levels of Linux Administration. It provides training from fundamental concepts relating to User Administration with live demonstrations and emphasis on administration through shell commands. The course is offered on the latest version of Linux OS.

Pre-Requisites

The attendees for this course require to possess the knowledge base covered in LLC102 or must have any such compatible level on their own before enrolling themselves for this course.

Target Audience

This course is for Administrators who wish to migrate to Linux from any other multiuser OS and gain a thorough understanding of Linux administration and who has the basic knowledge of Linux Operating System.

Course Outline

User Administration

- Essentials : Concept of users & groups
- User Account Management
- Password Management
- Group Management
- Configuring a co-administrator
 - the sudo utility
- File / Directory Access Control Mechanisms
- Default Permissions & umask setting
- Exploring suid/sgid/sticky bits
- The Extended Attributes
- File System ACL 's
- Exploring Critical Configuration files - grub.conf, inittab, fstab
- Service initializing scripts
- Task Schedulers
 - at, cron & anacron daemons
- Disk Quotas
 - Assigning user quotas
- Printer Management using CUPS

- Configuring a printer
- Linux Networking Environment
 - Networking features of Linux
 - Configuring a NIC
 - Miitool
 - Setting Gateway
 - IP Forwarding
- Basic Network Client Services
 - telnet, ftp & SSH Services
- Basic Concepts of DNS
 - Implementation of BIND
 - forward & reverse lookup
 - DNS Client Commands
 - DNS Slave Configuration
- DHCP - Server / Client setup
- NFS - Network File System
 - RPC portmapper
 - autofs implementation
- NIS - Network Information System
 - ypserver / yp client
 - Slave Server Configuration
- Apache Web Server
 - Basic Configuration

- Name & IP Based Virtual Hosting
 - Restriction through htaccess
 - Authentication through SSL
- Samba Server
 - File & Print Service
 - Authentication through samba
 - smbmount, smbclient services
- Sendmail - Mail Server
 - Configuring mail service
 - SMTP Server, POP3 / IMAP Server Setup (Dovecot)
- An Overview of Postfix mail server
 - Configuration
- Proxy Server - Squid
 - ACL for restricting access
 - User Authentication
- Working with GUI tools
 - Default applications
 - Webmin Utility

Course Duration: Four Days: 10 am - 5.30 pm

Course Fee Rs. 7,200/-

(Plus Service Tax as applicable)