

Course Contents of LINUX

Introduction

- ✓ Introduction to UNIX
- ✓ UNIX Operating System Architecture
- ✓ Linux Operating System
- ✓ Users, Groups and Permissions
- ✓ Examining Permissions

Installation

- ✓ Linux Installation
- ✓ Partition of Hard Disk
- ✓ Linux File System
- ✓ ext2 / ext3
- ✓ Dual Boot Installation
- ✓ Desktop Familiarization
- ✓ Text and GUI Mode
- ✓ Virtual Terminals
- ✓ GNOME and KDE Desktop

Commands

- ✓ UNIX Shell
- ✓ UNIX Commands
- ✓ Shell Commands
 - File System Management
 - File Viewing and Management
 - Process Management ,Help and Job
 - Network Management
 - System Management
 - User Management
 - Printing and Programming
 - Document Preparation

- ✓ System Initialization and Services
- ✓ Boot Sequence, Run levels
- ✓ User Administration
 - User Creation/ Suspension & Deletion
 - Group Administration
- ✓ Network Configuration
- ✓ Configuration Utilities
- ✓ Multiple NICs
- ✓ Task Schedulers
- ✓ Disk quota management
- ✓ Backup and Restore
- ✓ Adding and Removing Software Packages
 - RPM Package Management
- ✓ Setting Printer
- ✓ System Monitoring
 - File System Analysis
 - System Log Files & Analysis
- ✓ System Troubleshooting
 - File system Corruption and Recovery

About DHCP NIS & NFS

- ✓ DHCP
 - Server setup
 - Client setup
- ✓ NIS
 - NIS Server setup
 - NIS Client setup
- ✓ NFS
 - NFS Server & Client configuration
- ✓ Samba Server
 - File & Print Service

About DNS

- ✓ Basics of DNS
- ✓ Implementation of BIND
- ✓ forward & reverse lookup
- ✓ DNS Directives

SERVER

- ✓ Apache Web Server
- ✓ Basic Configuration
- ✓ Name based Virtual Hosting
- ✓ Send mail & Mail Server
- ✓ Configuring mail service
- ✓ SMTP Server
- ✓ POP3 / IMAP Server
- ✓ Proxy Server - Squid
- ✓ ACL for restricting access
- ✓ Linux System as a Router
- ✓ Setup and configuration
- ✓ Static Routing
- ✓ Firewall Using IP Tables
- ✓ Filter and NAT rules

Interview Tips & FAQ