Linux Training Syllabus (Live Project)

Module 1

Linux Overview

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

Linux Booting

- ✓ Boot Sequence of Linux
- ✓ Linux Boot Loader

Linux Kernel

- ✓ What is Kernel
- ✓ Kernel Variants
- ✓ Kernel Duties

Linux Graphical Interface

- ✓ Linux Desktop Environments
- ✓ Using the GUI

Linux Commands

- ✓ Using Linux Commands
- ✓ Getting Help

Text Editors

- ✓ Vi
- ✓ Vim
- ✓ Nano

- ✓ Gedit

User Administration

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

File Permissions

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

Basic System Configuration

- ✓ Date & Time Setting
- ✓ Network Configuration
- ✓ Configuring Printers

Module 2

File System Management

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

Package Management

- ✓ rpm
- ✓ yum

Configuring Schedules

- ✓ At
- ✓ Cron

Managing Services

- ✓ Types of Services
- ✓ Managing Services

Server Configuration

- ✓ SSH
- ✓ Telnet
- ✓ NFS

- ✓ FTP
- ✓ Samba
- ✓ Apache
- ✓ Mail Servers
- ✓ Squid Proxy Server

Managing Securities

- ✓ Firewalls
- ✓ TCP Wrappers
- ✓ SELinux

System and Security Monitoring

Module 3: Networking and Trouble Shooting

Basics of network and various networking devices

Network configuration and Management

Network testing and Trouble shooting

Module 4: Virtualization and its Implementation

Virtualization concept and practical Implementation

Creating of LAN within Virtual box.

Testing with Virtual Box with multiple O.S.

Module 5: 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.

Module 6: Mock tests and Interview Questions Samples

Training Duration: 20 working days (2hrs/day)

- ✓ Certificate of participation to all candidates.
- ✓ Free E-book to all candidates.
- ✓ Purely Practical approach of Teaching.
- ✓ Trainers will be Red Hat Certified with Industry exposure.

Training Fees: - 6000 INR (including taxes) per candidate
Registration Fees: - 500 INR

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