

Linux System Administration

Duration: 60 hours

Structure: The course will be conducted at the weekend, Saturday and Sunday
Time: 8:30 AM - 11:30 AM

Start: From 05/09/2009 to 08/10/2009

Course Overview

This course is intended mainly for people coming from other operating systems who are about to use Linux for the first time and have no experience with Linux through the main concepts of open source software and Linux using GUI tools of openSUSE base on KDE desktop. Students will learn the concept of Open Source and Linux as well as the fundamental knowledge necessary to administer openSUSE using GUI and some basic command ranging from administering desktop to setting up Linux server such as DHCP server, file server, DNS server, and web server.

Course Fee: With the support of Open Institute, it costs only USD 25.

Key Objective:

After completing this course trainees will be able :

- To use Linux desktop (KDE)
- Understand the philosophy of FOSS
- To Install Linux
- To configure Linux (using KDE and YaST)
- To manage users and file permission
- To configure individual computers using YaST
- To install new software in Linux and use Windows software on Linux
- To configure a network of Linux computers
- To configure computer to broadcast IP using DHCP
- To do normal sharing
- To remote to Linux and Windows computers
- To configure DHCP and FTP server
- To do advance thing on some above topics

Audience Summary

This course is ideal for those who have little or no experience with Linux and who are seeking a fundamental of Linux (using openSUSE Linux). It is also ideal for those who want to migrate from a Windows environment to Linux environment.

Course Prerequisites

This course is designed for students without experience on Linux, but having at least some experience on administrative computer on Windows platform and know the basic concept (network, desktop, server, security). Some of these concepts will be - nevertheless-revised before it is taught how to apply them in Linux.

Lab Requirement:

- PCs be able to run openSUSE Linux
- LAN Networking
- LCD projector

Course materials:

This following materials will be provided for free

- Live CD and DVD of OpenSUSE
- Soft Materials

Course Outline:

- KDE Applications
- KDE Desktop configuration
- Linux Operating System
- Linux Installation
- Hardware Configuration
- Software Installation in YaST
- User Management
- Shell and Common Command Line
- File Permission
- Basic Networking and Networking Configuration
- DHCP Server
- File Sharing
- Installation Server
- Remote Access
- Package Management
- Managing User and Group using Command
- Backup and Task Scheduling
- Manual Network Configuration
- File Server via Samba
- File Server via NFS
- Basic DNS Server
- Basic Web Server

Course Management: For more information please contact:

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