



Linux LPIC-2 (40 hrs.)

Prerequisites: Linux LPIC-1

Course Topics:

system startup and Advanced system management

- Booting Linux
- Customizing System Startup
- Compile and Install Program
- Notify Users of System-Related Issues

Linux kernel configuration

- Understanding the Kernel
- Preparing kernel
- Managing Kernel Module at Run Time
- Compiling Kernel

Basic File system management+

- Making File System available
- Maintaining File System
- Managing Optical Discs
- Managing Devices and Udev

Advance Disk Management

- Partitioning Disks
- Configuring RAID
- Configuring Local Volume Management
- Backing up and Restoring a Computer

Network Configuration

- Performig Basic Network Configuration
- Setting Additional Network Option
- Troubleshooting Network Issue

DNS Server Configuration

- Understanding the Rule of DNS
- Running a Caching-Only Name Server
- Creating and Maintaining DNS Zones
- Making Additional Security Improvements
- Running a Slave Server

Advanced Network Configuration

- Configuring a DHCP Server
- Managing LDAP Accounts
- Configuring SSH
- Configuring a Router

Configuration File Server

- Understanding the Rule of File Server
- Configuring a Samba Server
- Configuring a FTP Server
- Configuring a NFS Server



Configuration Web and Mail server

- Understanding Web Server
- Setting Basic Apache Option
- Configuring Apache to Host Your Site
- Controlling Apache
- Configuring POP and IMAP Servers
- Configuring a push Mail Server
- Understanding Email
- Implementing a Proxy Server

Security

- Authentication Users with PAM
- Enabling TCP Wrappers
- Keeping Up-to-Date with Security Issues
- Dealing with Ports and Packets

System Troubleshooting: Boot and Kernel Problem

- Approaching a Problem
- Troubleshooting Boot Problem
- Summary
- Troubleshooting Miscellaneous Problem

System Troubleshooting: System Resource and User Environments

- Troubleshooting System Initialization
- Adjusting Kernel Option
- Fixing Account option
- Dealing with Scheduled Process
- Investigating Running Processes
- Troubleshooting Shells