

Linux Administration Part 2

LPI Certification Level 1 Exam 102

Course Overview

The **Linux Administration Part 2** course covers all the main flavours of Linux including Red Hat, Mandrake, Slackware, Debian and SuSE. The course allows delegates to have a basic understanding of the Linux environment and also provides the delegate with sufficient knowledge to take the Linux Professional Institute (LPI) Certification Level 1 Exam 102.

Using a straight forward approach, each lesson builds upon the previous one allowing the delegate to learn the essentials of Linux from the ground up.

Who should attend

Users who have attended the **LPI Linux Administration Part 1** course and require further knowledge to administer their Linux systems. The course is the second in the Linux Professional Institute (LPI) certification process and will be of use to users planning on sitting the LPI Level 1 Exam 102

Course Topics

- Configure fundamental system hardware
- Set up SCSI and NIC devices
- Configure modems and sound devices
- Design a hard disc layout
- Install a Boot Manager
- Make & install programs from source
- Manage shared libraries
- Use *Debian & Red Hat* Package Management
- Manage kernel modules at runtime
- Reconfigure, build & install custom kernel & modules
- Perform basic file editing operations using *vi&vim*
- Install & configure local and remote printers
- Manage printers and print queues
- Print files
- Customise and use the shell environment
- Create simple shell scripts
- An overview of the X Window system
- Fundamentals of TCP/IP
- TCP/IP troubleshooting
- Configure & use *ppp*
- Configure & manage *inetd*
- Operate & perform basic configuration of *sendmail & apache*
- Perform basic management of *NFS, DNS & Samba*
- Perform host level & user level security