

Linux Advanced Administration

LPI Certification Level 2 Exams 201 & 202

Course Overview

The **Linux Advanced Administration** course covers all the main flavours of Linux including Debian, Red Hat, Mandrake and SuSE. The course will allow delegates to create a local area network; set-up a Network File System server and clients; Network Information Services and DNS. Delegates will also be introduced to Samba to enable Windows systems access to Linux services; and Apache for Web server applications.

The gives delegates an advanced understanding of the Linux Kernel and networking environment and also provides them with sufficient knowledge to obtain Linux Professional Institute (LPI) Certification Level 2, by taking the optional LPI 201 and 202 exams.

Who should attend

Users who have attended the **LPI Linux Administration Part 1 & 2** courses and require to integrate Linux systems into local and wide area networks.

The course is the third in the Linux Professional Institute (LPI) certification process and will be of use to users planning on sitting the LPI Level 2 Exams 201 & 202

Course Topics

- Kernel patching, customisation and compiling
- Customising the boot process
- Operating and maintaining the Linux filesystem
- Configuring Logical Volume management and RAID devices
- Adding new hardware
- System logging
- Performing system backups
- Introduction to shell scripts
- System troubleshooting and recovery
- Creating a local area network
- Sharing files with NFS
- Sharing Windows and Linux resources with Samba
- Overview of TCP/IP
- Setting up Network Information Services (NIS)
- Network security
- Building an Internet server
- Setting up Domain Name Service (DNS)
- Using Apache to serve the web
- Setting up E-Mail services
- Setting up Telnet and FTP Services