

Linux Administration Part 1

LPI Certification Level 1 Exam 101

Course Overview

The [Linux Administration Part 1](#) course covers all the main flavours of Linux including Red Hat, Mandrake, 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 101.

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 with administration experience of other operating systems who now need to administer a Linux system. The course will also be of interest to users wishing to follow the industry recognised LPI certification program.

Course Topics

- Introduction to Linux
- Getting started in Linux
- Introduction to Linux desktops. (KDE & Gnome)
- Introduction to Linux applications. (Office & graphics)
- Work effectively on Linux command line
- Process text streams with text processing filters
- Perform basic file management
- Use Unix streams, pipes and redirects
- Search text files using regular expressions
- Process & job control
- Advanced shell usage
- Filesystem concepts
- Create and change hard and symbolic links
- Manage file ownership
- Use file permissions to control access to files
- Create partitions and filesystems
- Control filesystem mounting and un-mounting
- Maintain the integrity of filesystems
- Find system files and place files in the correct location
- Set and view disk quotas
- Boot the system
- Change run levels and shutdown or reboot system
- Use and manage local system documentation
- Find Linux documentation on the Internet