

Linux for Experienced Unix Administrators

LPIC Level 1

Course Overview

The LPIC Linux for Experienced Unix Administrators course is for current administrators with at least a years experience with an Unix operating system. The course covers all the main flavours of Linux including Red Hat, Mandrake, Debian and SuSE but concentrates on the differences between Linux and other Unix operating systems.

On top of their current Unix experience, delegates will gain a thorough understanding of the Linux environment and also have sufficient knowledge to take both the Linux Professional Institute (LPI) Certification Level 1 Exams.

Who should attend

It is a prerequisite that delegates have at least a years experience of administering a Unix system. The course starts at a very high level and concentrates on the differences between Unix and Linux administration.

Course Topics

- Introduction to Linux
- Getting started in Linux
- Introduction to Linux desktops. (KDE & Gnome)
- Introduction to Linux applications. (Office & graphics)
- 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
- Configure fundamental system hardware
- Set up SCSI and NIC devices
- Configure modems and soundcards
- 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
- Install & configure local and remote printers
- 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 & user level security