



ForLinux Training: LPI 102 Certification Training Course

Second module required for LPIC I certification.

A follow-up to the LPI 101 Certification Training course, the Linux Professional Institute Certification (LPIC) program is designed to certify the competency of IT professionals using the Linux operating system and its associated tools. It is designed to be distribution neutral, following the Linux Standard Base and other relevant standards and conventions.

Course Description

The training course will focus on Linux system administration and prepare the candidate to take the LPI 102 exam (the exam is included in the price).

This course is designed for Linux users wanting to validate their skills across the Linux Platform. The course focuses on the core concepts of Linux systems, meaning it is **distribution-neutral** and can be applied to **all** distributions including RedHat and Debian.

This course is also for individuals who wish to take the LPI 102 exam which, together with the LPI 101 exam, constitutes the LPIC I.

This is a three day Instructor-led course designed upon the job-related tasks a Linux professional performs. The course price includes classroom training, 1 exam sitting & fees, a customised course manual, after training support & guidance, lunch and refreshments.

At the end of the course the candidate will be able to:

- Compile a new kernel
- Manage the boot process and run-levels
- Printing
- Documentation and MAN pages
- Simple shell scripting
- Tune the user environment
- Configure networking and network services
- Perform basic security tasks to secure a server

Course pre-requisites:

Students enrolling in this class should have advanced computer skills and prior system administration experience of any Linux operating system. They should also have a working knowledge of Linux and should have performed basic user-level tasks on a Linux system. It is beneficial to have taken the LPI 101 Training Course already, as the LPI 102 builds upon knowledge gained from the 101 course.

Topics covered on the 3 day LPI 102 Certification Training Course

Topic 1: Kernel

- Manage/Query kernel and kernel modules at runtime
- Reconfigure, build and install a custom kernel and kernel modules

Topic 2: Boot, Initialization, Shutdown and Runlevels

- Boot the system
- Change runlevels and shutdown or reboot system

Topic 3: Printing

- Manage printers and print queues
- Print files
- Install and configure local and remote printers

Topic 4: Documentation

- Use and manage local system documentation
- Find Linux documentation on the Internet
- Notify users on system-related issues

Topic 5: Shells, Scripting, Programming and Compiling

- Customize and use the shell environment
- Customize or write simple scripts

Topic 6: Administrative Tasks

- Manage users and group accounts and related system files
- Tune the user environment and system environment variables
- Configure and use system log files to meet administrative and security needs
- Automate system administration tasks by scheduling jobs to run in the future
- Maintain an effective data backup strategy
- Maintain system time

Topic 7: Networking Fundamentals

- Fundamentals of TCP/IP
- TCP/IP configuration and troubleshooting
- Configure Linux as a PPP client

Topic 8: Networking Services

- Configure and manage xinetd, inetd and related services
- Operate and perform basic configuration of Mail Transfer Agent (MTA)
- Operate and perform basic configuration of Apache
- Properly manage the NFS and SAMBA daemons
- Setup and configure basic DNS services
- Set up secure shell (OpenSSH)

Topic 9: Security

- Perform security administration tasks
- Setup host security
- Setup user level security

Why choose ForLinux to deliver this course?

ForLinux is the UK's first purpose built training centre dedicated entirely to Open Source Solutions. Our staff are passionate about Open source and 100% committed to delivering first class training to all our delegates. Not only are our trainers LPI certified instructors, they are also all daily-users of Linux placing them at the forefront of all the latest industry developments, changes and troubleshooting updates. You can be confident that you will receive the most up to date and relevant information available.

As a LPI Approved Training Partner, our unique training curriculum and carefully selected courseware is LPI certified and specifically geared towards optimising your certification success.

At ForLinux we pride ourselves on tailoring our course around you. We understand that everyone learns in different ways and with this in mind have built our training course to be as flexible and user-friendly as possible. Our certification courses can be completed in an intensive round consisting of 5 consecutive days, with the exams being completed at the end of each module. Alternately you can choose to complete the certification in two stages, attending a 3 day training course for each module and completing the exams separately over a period of time. At ForLinux, you are free to choose the option that best suits your learning style and personal situation.

Your success is Our business.