



## **ForLinux Training: LPI 101 Certification Training Course**

**First of 2 modules required for LPIC I certification.**

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 101 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 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:**

- Work at the Linux command line and use common commands
- Configure hardware to work under Linux
- Install and configure software using packages
- Work with creating and maintaining filesystems
- Configuring the X Window Environment

### **Course pre-requisites:**

Students enrolling on this course 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.

## Topics covered on the 3 day LPI 101 Certification Training Course

### Topic 1: Hardware & Architecture

- Configure Fundamental BIOS Settings
- Configure Modem and Sound cards
- Setup non-IDE Devices
- Setup different PC expansion cards
- Configure Communication Devices
- Configure USB devices

### Topic 2: Linux Installation & Package Management

- Install a boot manager
- Make and install programs from source
- Manage shared libraries
- Use Debian package management
- Use Red Hat Package Manager (RPM)

### Topic 3: GNU & Unix Commands

- Work on the command line
- Process text streams using filters
- Perform basic file management
- Use streams, pipes and redirects
- Create, monitor and kill processes
- Modify process execution priorities
- Search text files using regular expressions
- Perform basic file editing operations using vi

### Topic 4: Devices, Linux Filesystems, Filesystem Hierarchy Standard

- Create partitions and filesystems
- Maintain the integrity of filesystems
- Control mounting and unmounting filesystems
- Managing disk quota
- Use file permissions to control access to files
- Manage file ownership
- Create and change hard and symbolic links
- Find system files and place files in the correct location

### Topic 5: The X Window System

- Install & Configure X11
- Setup a display manager
- Install & Customize a Window Manager Environment

## 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.**