



## ForLinux Training: LPI 101-102 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 101 and 102 exams (both exams are included in the price).

This course is designed for a person who has been performing basic system administration tasks and who needs to install, configure, and manage a Linux-based system. This course is also for individuals who desire to take the 101 and 102 exams of LPI leading to the Junior Level Administration (LPIC1) certification. The course covers the two major Linux distributions (RedHat & Debian).

**This is a five day performance-based course designed upon the job-related tasks a Linux professional performs. The course price includes classroom training, 2 exam sittings & 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
- perform simple/basic maintenance tasks: help out users, add users to a larger system, backup & restore, shutdown & reboot
- install and configure a work station (incl. X) and connect it to the network, or a stand-alone PC via modem to the Internet.
- troubleshoot issues by searching log files

### Course pre-requisites:

Students enrolling in this class should have basic 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 5 day LPI 101-102 Certification Training Course

### Installing Linux

- Perform preinstall tasks
- Install a Linux system

## Using the Linux Command Line

- Use Linux commands on the command Line
- Use the command line to access Linux documentation

## Working with the Linux Filesystem

- Manage files and directories
- Manage links to a file
- Edit files
- Redirect input and output
- Search text files using regular expressions
- Apply filters to text streams

## Managing Packages

- Manage packages using the Red Hat Package Manager (rpm)
- Manage packages using the Debian Package Manager (dpkg)

## Configuring Hardware Devices

- Configure SCSI devices
- Configure I/O devices
- Configure communication Devices

## Configuring Network Connectivity

- Connect to a network
- Configure network services
- Access a remote computer
- Implement DNS
- Configure routing
- Troubleshoot network configuration issues

## Managing Users and Groups

- Manage user accounts
- Manage groups
- Manage file ownership
- Manage file access rights

## Configuring the Graphical User Interface

- Implement the X window system
- Customise the display manager
- Customise the window environment

## Configuring Software Services

- Configure the Boot manager
- Set up email (sendmail)
- Install a program from source
- Configuring Apache
- Manage shared libraries
- Perform process management





## Working with the Kernel

- Build a new kernel
- Customize kernel modules
- Manage the kernel

## Automating Tasks

- Develop shell scripts
- Manage shell scripts
- Customize the shell environment
- Schedule jobs

## Maintaining Filesystems

- Maintain a local filesystem
- Manage disk quotas
- Manage NFS
- Implement Samba

## Maintaining the System

- Back-up data
- Restore data
- Maintain system logs
- Manage a print queue
- Maintain the system time

## Securing the System

- Configuring host security
- Configure user-level security
- Configure network security

## Why choose ForLinux to deliver this course?

From the skillful crafting of our unique curriculum and careful selection of courseware to every detail of your training comfort, ForLinux Training is simply the best way to obtain your Linux certification. Other training providers cannot match our commitment to quality instruction-led training. Our instructors have many years experience working senior technical roles at ForLinux Ltd, which is based at the same location as our Training centre. Our trainers, as well as being excellent teachers, have a thorough working knowledge of the subject.

Our instructors are available at all times during the course to provide individual and group attention, lead lab exercises and practice sessions, and ensure a **students' success**. Our attention to detail shows in our unsurpassed instruction and customer service, our classroom and testing facilities, and our individual and corporate success stories.

The ForLinux **LPI 101-102 Linux Certification Training Course** is delivered in the most comprehensive, flexible educational format available.

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