



ForLinux Training: LPI 201 Certification Training Course

First of two modules required for LPIC II 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 201 exam (the exam is included in the price).

This course is designed for the advanced Linux user who has achieved LPIC1 Certification and is wanting to take the next step along their career progression. The course continues to build on the foundations taught on the LPIC I courses, designed to be **distribution neutral** and follow the Linux Standard Base. This is an Advanced level course focusing on the Installing, Configuring and Managing a Linux based system with a lot of emphasis on Troubleshooting and Security.

This is a three and a half 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
- Customize the boot process and recover from failures at boot time
- Create and maintain Linux filesystems
- Configure storage devices and partitions
- Configure a RAID array
- Troubleshoot networking and network services
- Build and install software from source
- Configure Backups
- Install and configure DNS and zones

Course pre-requisites:

Students enrolling on this course should have advanced computer skills, prior system administration experience of any Linux operating system and possess LPIC I Certification.

Topics covered on the 3.5 day LPI 201 Certification Training Course

Topic 1: Linux kernel

- Kernel Components
- Compiling a kernel
- Patching a kernel
- Customise, build and install a custom kernel and kernel modules
- Manage/Query kernel and kernel modules at runtime

Topic 2: System Start up

- Customising system startup and boot processes
- System recovery

Topic 3: Filesystem and devices

- Operating the Linux filesystem
Maintaining a Linux filesystem
- Creating and configuring filesystem options
- udev Device Management

Topic 4: Advanced Storage Device Administration

- Configuring RAID
- Adjusting Storage Device Access
- Logical Volume Manager

Topic 5: Networking Configuration

- Basic networking configuration
- Advanced Network Configuration and Troubleshooting
- Troubleshooting network issues
- Notify users on system-related issues

Topic 6: System Maintenance

- Make and install programs from source
- Backup operations

Topic 7: Domain Name Server

- Basic DNS server configuration
- Create and maintain DNS zones
- Securing a DNS server

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 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.

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.

Your success is Our business.