

## 1 - Course description

**Be able to administer networking services and pass LPI102 exam.**

This is a required exam for LPI certification Level 1. **In 28 hours**, it covers basic system administration skills that are common across all Linux distributions. This course is intended for Linux administrators who need to deepen their knowledge about Linux and Linux system administration.

## 2 - Prerequisites

LPI101 or equivalent

## 3 - Content

### Kernel

- Manage/Query kernel modules at runtime
- Reconfigure, build, and install a custom kernel and kernel modules
- Boot, Initialization, Shutdown and Runlevels
- Boot the system
- Change runlevels and shutdown or reboot system

### Printing

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

### Documentation

- Use and manage local system documentation
- Find Linux documentation on the Internet
- Notify users on system-related issues
- Shell, Scripting, Programming and Compiling
- Customize and use the shell environment
- Customize or write simple scripts

### Boot, Initialization, Shutdown and Runlevels

- Boot the system
- Change runlevels and shut down or reboot a system

### Networking Fundamentals

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

### Shells, Scripting, Programming, Compiling

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

### Networking Services

- Configure and manage inetd, xinetd, and related services
- Operate and perform basic configuration of sendmail
- Operate and perform basic configuration of Apache
- Properly manage NFS, smb, and nmb daemons
- Setup and configure basic DNS services
- Setup secure shell (OpenSSH)

### Security

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

### Preparation for the Exam

- Questions / Answers
- Standard Questions

**For further information :**  
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