

# Preparatory Course for Linux Professional Institute Certifications 101 and 102

## Course Description:

This 48-hour course is designed for students to familiarize themselves with Linux and its distribution systems and at the same time also prepare for the first two Linux certifications for the first level (101 and 102).

## Audience Profile

Everyone who does not have any prior knowledge in Linux or people who are interested in preparing themselves for LPIC 101 and 102 exams.

## Course Syllabus

### Exploring Linux Command-Line Tools

- Work on the command line
- Process text streams using filters
- Use streams, pipes, and redirects
- Search text files using regular expressions

### Managing Software

- Manage shared libraries
- Use Debian package management
- Use RPM and Yum package management
- Create, monitor, and kill processes
- Modify process execution priorities

### Configuring Hardware

- Determine and configure hardware settings
- Design hard disk layout
- Create partitions and filesystems
- Maintain the integrity of filesystems
- Control mounting and unmounting of filesystems

### Managing Files

- Perform basic file management
- Manage disk quotas
- Manage file permissions and ownership
- Create and change hard and symbolic links
- Find system files and place files in the correct location

### **Booting Linux and Editing Files**

Boot the system

Change runlevels and shutdown or reboot system

Install a boot manager

Perform basic file editing operations using vi

### **Testing and Exercise**

#### **Training Cost:**

The total cost for the training is **270 Euros**.