



LPIC-1 Linux Administrator Course

Introduction

The LPIC-1 Linux Administrator certification is specifically designed for existing and aspiring Linux Administrators who need to maintain, install and configure workstations, as well as master the Linux command line.

LPIC certifications are designed by Linux professionals and are vendor-neutral, teaching skills on both Debian-based (such as Ubuntu and Linux Mint) as well as RedHat-based (such as CentOS and Fedora) distributions. The skills you'll learn will be valuable whether you are managing an on-premises installation or virtual machines in the cloud.

The course prepares you for the LPIC-1 101-500 and 102-500 exams. These cover system architecture, package management and installation, Bash commands, devices and filesystems. Also covered are shells, scripting, data management, user interfaces, system services and security.



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Course Content

System Architecture

Hardware settings.
Booting.
Runlevels.

Installation & Package Management

Design hard disk layout.
Boot manager.
Shared libraries.
Debian, RPM & YUM package management.
Linux as a virtualization guest.

GNU & Unix Commands

Work on the command line.
Processing text streams.
File management.
Streams, pipes and redirects.
Process management and priority.
Search text files with regular - expressions.
File editing with vi.

Devices & Filesystems

Partitions & integrity.
Mounting & unmounting.
Permissions & ownership.
Symbolic links.
Find & place files and the FHS.

Shells & Scripting

Shell environment.
Scripting.

User Interfaces & Desktops

X11 Configuration & installation.
Graphical desktops.
Accessibility.

Administration

Manage user and group accounts.
Cron jobs.
Localisation & internationalisation.

Essential System Services

Maintain system time.
System logging.
Mail transfer agents.
Printers & printing management.

Networking Fundamentals

Internet protocols.
Persistent network configuration.
Basic network troubleshooting.
Client side DNS.

Security

Security administration tasks.
Setup host security.
Securing data with encryption.

Course Details

Study Mode

PARTTIME

Frequency: Twice Weekly

Duration

63 Hours (21 Lessons of 3 Hours)

Delivery Method

Lectures & Hands-on Practice

Entry Requirements

Good knowledge of English
Cisco IT Essentials or equivalent
industry experience

Award

LPIC-1 Linux Administrator

Partner



**Linux
Professional
Institute**

€ 1,225

Study Experience Includes:

Training by a Linux Certified Educator, Official Linux Courseware,
Official Linux Virtual Labs, Official Linux Exams (101-500 & 102-500).

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