

LPIC1 Course Syllabus

LPIC-1 Exam 101:

System Architecture

- Determine and configure hardware settings
- Boot the system
- Change runlevels / boot targets and shutdown or reboot system

Linux Installation and Package Management

- Design hard disk layout
- Install a boot manager
- Manage shared libraries
- Use Debian package management
- Use RPM and YUM package management
- Linux as a virtualization guest

GNU and Unix Commands

- Work on the command line
- Process text streams using filters
- Perform basic file management
- Use streams, pipes and redirects
- Create, monitor and kill processes
- Modify process execution priorities
- Search text files using regular expressions
- Basic file editing

Devices, Linux Filesystems, Filesystem Hierarchy Standard

- Create partitions and filesystems
- Maintain the integrity of filesystems
- Control mounting and unmounting of filesystems
- Manage file permissions and ownership
- Create and change hard and symbolic links
- Find system files and place files in the correct location

LPIC-1 Exam 102:

Shells and Shell Scripting

- Customize and use the shell environment

Customize or write simple scripts

User Interfaces and Desktops

Install and configure X11

Graphical Desktops

Accessibility

Administrative Tasks

Manage user and group accounts and related system files

Automate system administration tasks by scheduling jobs

Localisation and internationalisation

Essential System Services

Maintain system time

System logging

Mail Transfer Agent (MTA) basics

Manage printers and printing

Networking Fundamentals

Fundamentals of internet protocols

Persistent network configuration

Basic network troubleshooting

Configure client side DNS

Security

Perform security administration tasks

Setup host security

Securing data with encryption