

1 - Course description

Be able to administer a Linux system and pass the LPI 101 exam.

This training about Linux Administration is conform to the LPI standard (www.lpi.org) program. **This 28 hours course** explores the following topics: device configuration, personalization of an installation, GNU and Unix commands, file systems and X-Windows. The course aims to let you pass the exam 101 (first stage for the Linux Certification Level 1).

2 - Prerequisites

LNx70/MCU knowledge or equivalence

3 - Content

Architecture and Access to Material

- BIOS Configuration
- Configuration of a Modem and a Sound Card
- Configuration of SCSI Peripherals
- Configuration of Different Extension Cards
- Configuration of Network Cards
- Configuration of USB Peripherals

Installation of Linux Packages

- Division of a Hard Disk
- Installation of an Image Loading System
- Installation of Programs and Compilation of Sources
- Management of Shared Libraries
- Management of Debian Packages
- Management of Red Hat Packages

GNU and UNIX Commands

- Line of Command
- Management of Text with Filter
- Management of Files
- Use of Flow, Tunnels and Redirections
- Creation and Control of Process
- Modifying the Priority of a Process
- Use of Regular Expressions
- Use of the Publisher vi

Supports of Storage and Files Systems

- Standard Files Systems
- Creation of Divisions and Files Systems
- Control of Files Systems
- Assemble and Dismantle Files Systems
- Management of the Disk Space (quotas)
- Permission of Files
- Control of the Owner of the File
- Creation of Links
- Search of Files

X-Windows

- Understand X-Windows
- Start and Stop X-Windows
- Configure X
- Use X through a Network

Preparation for the Exam

- Questions / Answers
- Standard Questions

For further information :
<http://www.mandriva.com/training>

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