LPIC1-102 - Linux System Administrator

Linux - Linux - Sistemistica

Durata:	Lingue:	Certificazione:
4 Giorni	**Italiano**	**-**

Descrizione del corso

The course LPIC1 – 102 allows to acquire specialized knowledge of Linux operating systems. At the end of the course participants will be able to: • Work with Linux command line; • Perform simple maintenance operations: help users, add users to a bigger system, backup and restoration, stopping/starting; • Install and configure a workstation, connect it to a LAN network and/or directly to the internet. The course prepares participants for the certification exam LPI 101 (the second of the two exams of LPIC-1 level).

Programma

Shell scripting and data management

• Customizing the shell environment
– Environment variables
– Alias and options
– Writing bash functions to reuse commands
– Managing skel directories and configuration files of shell environment
• Writing simple scripts
– command substitution
– streams controls (if/else, for, case, etc.)
• SQL Basic commands

User interfaces and desktop

• Installing and configuring X11
• Setting a display manager
• Technologies for accessibility

System administration

- Managing users and groups
- Planned operations
- Localization configurations

System services

- Managing date and time
- Basic NTP configuration
- System log
- MTA – mail transfer agent
- Managing print services

Network management

- Basic concepts of network protocols
- Basic configuration of network functionalities
- Network troubleshooting
- Configuring the DNS protocol on client side

Security

- System vulnerability detection
- Configuring system basic security– super daemons and TCP wrappers
- Data encryption

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