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Linux LPIC-1 101 Certified Linux System Administrator

Training for individuals with little experience in Linux server administration. It will help you understand and test the key aspects of Linux configuration in practice. The focus is on the two most commonly used Linux distributions, ensuring the acquisition of a broad range of skills useful for an administrator's work.

During the workshop part of the training, Open Source distributions are used, including Ubuntu, Debian, and Rocky Linux.

Training recipients

The training is intended for system administrators and individuals with general knowledge of what the Linux system is and who are able to navigate the system terminal.

Benefits

The knowledge and skills gained during the training will enable participants to confidently manage and administer Linux systems. These skills are essential for a system administrator's role.
Managing software and system processes, adjusting kernel parameters to suit specific needs, and addressing other issues discussed during the training will become clear and easy to implement on participants' own servers.
The training also prepares participants for obtaining LPI (Linux Professional Institute) certification,

specifically the LPCI-101 exam.

Training program

1. Device management
2. Kernel module management
3. Linux system boot. Checking boot-related logs
4. SysVinit. Systemd and target management. System run levels
5. Preparing partitions for system installation
6. Basic information about Linux system installation
7. Software management in Debian-based systems
8. Software management in Open Source family systems
9. Software dependencies
10. Basic information on virtualization and containerization
11. Working with the shell: man pages, uname, system variables
12. STDIN, STDOUT, STDERR, redirection, filters, xargs
13. Advanced file and directory operations
14. Finding files in the system (find, locate, etc.)
15. Running programs in the background, job statuses
16. Monitoring system processes, managing processes, adjusting priorities
17. Session management: screen, tmux
18. Create simple regular expressions containing several notational elements.
19. VIM editor

Expected preparation of the participant

- Prior participation in a Linux training course is recommended.
- Ability to work with the console is required.

Training Includes

- 2 days of working with a trainer
- Trainer supervision
- Contact with the community

- Authorized electronic textbook
- Laboratory environment

Training method:

- Lecture
- Workshops

Duration

2 days / 14 hours

Language

Training: English
Materials: English