



LINUX TRAINING

Lpic 2

Master advanced Linux networking, kernel management, and server services to achieve your LPIC-2 certification.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

The LPIC-2 certification builds upon the foundational knowledge gained from LPIC-1, elevating your expertise to an advanced level in Linux system administration. This course is meticulously designed to equip IT professionals with the skills required to administer small to medium-sized mixed networks, delving deep into the Linux kernel, advanced networking concepts, and enterprise-grade services. You will master critical aspects of system architecture, security implementation, performance tuning, and troubleshooting complex issues in a production environment.

Through practical, hands-on modules, you will gain proficiency in managing advanced storage solutions, configuring robust network services like DNS, DHCP, and Web servers (Apache, Nginx), and implementing secure file sharing (Samba, NFS) and email services (Postfix, Dovecot). This certification validates your ability to install, manage, and secure mission-critical Linux systems, making you an indispensable asset in any organization leveraging open-source technologies. It's the definitive step for those looking to solidify their position as a senior Linux professional and drive significant value in infrastructure management.

Duration	2 hours
Level	Intermediate
Vendor	Linux
Exam Code	LPIC-2

COURSE CURRICULUM

01 Module 1: Advanced System Management & Kernel Configuration

- Capacity planning for system resources
- Linux kernel compilation, patching, and module management
- Boot process customization and GRUB2 configuration
- System initialization with systemd (targets, units, troubleshooting)
- Advanced process management and resource control

02 Module 2: Filesystem, Storage & Network Essentials

- Advanced filesystem management (XFS, Btrfs, journaling)
- RAID configuration (software and hardware)
- Logical Volume Management (LVM) implementation
- Network interface configuration and advanced routing
- Firewall management with iptables and nftables
- Network bonding, teaming, and bridging

03 Module 3: Domain Name System & Web Services

- BIND DNS server installation and configuration (primary, secondary, caching)
- DNSSEC implementation and troubleshooting
- Apache HTTP Server configuration (virtual hosts, SSL/TLS, modules)
- Nginx web server setup and reverse proxying
- Load balancing concepts for web services

04 Module 4: File Sharing & Email Services

- Samba server configuration for Windows interoperability (file and print sharing)
- NFS (Network File System) server and client setup

- Postfix email server configuration (basic setup, aliases, virtual domains)
- Dovecot IMAP/POP3 server configuration
- Email security concepts (SPF, DKIM, DMARC)

05 Module 5: System Security, Maintenance & Troubleshooting

- SSH hardening and advanced authentication
- Intrusion detection systems (IDS) and log analysis
- System backup and recovery strategies
- Troubleshooting boot issues, network problems, and application failures
- User and group management with advanced security policies

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Linux Systems Administrator**
- > **Linux System Engineer**
- > **IT Infrastructure Specialist (with Linux Focus)**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge or certifications are recommended before attempting the LPIC-2 course?

To get the most out of the LPIC-2 course, it is highly recommended that candidates possess a strong understanding of fundamental Linux system administration concepts. Ideally, you should have already achieved the LPIC-1 certification or have equivalent hands-on experience in managing a Linux system, including command-line navigation, user management, basic networking, and package management.

Q: How does LPIC-2 enhance my career prospects beyond an LPIC-1 certification in enterprise environments?

While LPIC-1 validates essential junior-level Linux administration skills, LPIC-2 certifies your ability to manage complex, enterprise-level Linux infrastructures. It demonstrates proficiency in designing and implementing network services, advanced storage solutions, and robust security measures. This advanced skill set positions you for roles such as a Senior Linux Administrator or a System Engineer, enabling you to take on greater responsibility for critical systems and infrastructure.

Q: What specific types of advanced Linux networking configurations will I master during this LPIC-2 course?

In this LPIC-2 course, you will master configuring complex Linux networking environments, including advanced routing, implementing firewalls with iptables/nftables for enhanced security, and setting up network bonding and bridging for high availability and performance. You'll also gain deep expertise in deploying and managing critical network services like DNS (BIND), DHCP, and various web server configurations (Apache, Nginx) for optimal service delivery.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

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READY TO ENROL?

Take the next step in your technology career.

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