



## LINUX TRAINING

# Lpic Level2

*Master advanced Linux system administration with LPIC-2. Gain expertise in networking, system maintenance, and performance tuning for enterprise environments.*

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### DURATION

**2 hours**

### LEVEL

**Intermediate**

### FORMAT

**Instructor-Led**

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

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | [www.computer-pride.co.ke](http://www.computer-pride.co.ke)

## COURSE OVERVIEW

The LPIC-2 certification is designed for Linux professionals who possess strong foundational skills and are ready to elevate their expertise to an advanced level of system administration. This comprehensive course at Computer Pride delves deep into managing small to medium-sized mixed networks, focusing on critical tasks such as kernel compilation, advanced network configuration, system maintenance, and security implementation. You will gain mastery over core technologies like DNS, Apache web server, Samba for file sharing, and more, preparing you to tackle complex challenges in enterprise environments.

|          |              |
|----------|--------------|
| Duration | 2 hours      |
| Level    | Intermediate |
| Vendor   | Linux        |

## COURSE CURRICULUM

### 01 Advanced System Management

- Kernel compilation and customization
- Boot processes and runlevels
- Filesystem management: EXT4, XFS, Btrfs
- RAID configuration and management (software RAID)
- Logical Volume Manager (LVM) for flexible storage
- Device files and udev

### 02 Network Configuration and Services

- Network fundamentals and advanced IP configuration
- DHCP server setup and management
- DNS server (BIND) configuration and troubleshooting
- Web server (Apache HTTPD) advanced configuration
- Proxy services (Squid)
- Email services (Postfix, Dovecot) setup

### 03 System Maintenance and Monitoring

- Backup strategies and implementation
- Performance tuning and optimization
- Logging and system auditing with rsyslog/journald
- Monitoring tools (Nagios, Zabbix basics)
- System startup, shutdown, and reboot procedures
- Troubleshooting common system issues

### 04 Security and Advanced Networking

- Firewall configuration with Netfilter/iptables
- SSH advanced configuration and hardening
- VPN concepts and basic setup
- Intrusion detection systems (IDS) principles
- File Transfer Protocol (FTP) servers
- Network Time Protocol (NTP) synchronization

### 05 File Sharing and Authentication Services

- Samba server for Windows file and print sharing
- NFS (Network File System) configuration
- PAM (Pluggable Authentication Modules)
- LDAP client configuration for authentication

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Linux Administrator**
- > **Network Administrator (Linux-focused)**
- > **DevOps Engineer (Linux Infrastructure Specialist)**

## FREQUENTLY ASKED QUESTIONS

### **Q: What prior experience or certifications are recommended before taking the LPIC-2 course?**

To get the most out of this LPIC-2 course, we strongly recommend that participants have already attained the LPIC-1 certification or possess equivalent hands-on experience as a junior Linux administrator. A solid understanding of basic Linux command-line operations, package management, user/group management, and fundamental networking concepts is crucial for success.

### **Q: How does LPIC-2 enhance my ability to manage complex enterprise Linux environments, and what kind of systems will I be able to administer?**

LPIC-2 significantly advances your capabilities beyond basic administration, enabling you to design, implement, maintain, and troubleshoot complex mixed-network Linux environments. You will be proficient in managing advanced networking services like DNS, web servers, and email, implementing robust security measures, and optimizing system performance for critical enterprise applications. This includes standalone servers, virtualized instances, and servers within a larger network infrastructure.

### **Q: What are the key distinctions between the skills gained from LPIC-1 and LPIC-2, and how do they impact potential job responsibilities?**

LPIC-1 establishes your proficiency in fundamental Linux system administration, covering basic command-line tools, file system management, and package installation. LPIC-2, on the other hand, focuses on advanced topics like kernel management, network service configuration (DNS, web, email), system security, and troubleshooting complex issues. While LPIC-1 prepares you for entry-level support or junior administrator roles, LPIC-2 opens doors to senior Linux administrator, network administrator, and specialized DevOps positions where managing and optimizing critical infrastructure is a core responsibility.

## 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+**

Years of Excellence

**10,000+**

Professionals Trained

**50+**

Vendor Certifications

## READY TO ENROL?

Take the next step in your technology career.

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