# LPIC-2 exam preparation course (code: LC-ADMIN-LPIC2-PREP)

**Ask for details**
Phone +44 203 608 6289
info@alx.training

## Overview

A preparatory course for the LPIC-2 - *Advanced Level Linux Certification*; this training a part of our LPIC-2 certification path. This training a a followup for our Linux Administrator Course, intended for participants interested in acquiring the LPIC-2 certification. The material in these two training courses combined covers all the exam requirements (and the necessary, fundamental topics needed to learn it from ground-up).

For persons interested in a deeper exploration of the topics mentioned during the training, we recommend the Advanced Linux Administrator course, which provides a hands-on workshop on several useful technologies.

## Duration

4 days

## Agenda

1. DNS server
   - Server configuration
   - DNS zones and their transfers
   - DNSSEC
2. DHCP server
   - Server configuration
   - BOOTP and DHCP protocols
   - Best practices in maintaining DHCP servers
3. LDAP directory services in Linux
   - Using the LDAP client; data modification
   - Importing and adding objects
   - Managing users
4. Linux kernel
   - Compilation - when and how to compile the kernel
   - Patches: applying and removing
   - Managing kernel modules
5. Disk management
   - Configuring and using RAID 0, RAID 1 and RAID 5
   - Configuring and using LVM logical volumes
6. Creating backups using rdiff-backup
   - Backup strategies and best practices
7. Filesharing via NFS
   - Configuring NFS: client- and server-side
   - Basic tools
   - Access control
8. Automatic filesystem mounting - AutoFS
9. Proxy servers - Squid
10. VPN
    - Necessary tools:
      - network protocol stack, ISO/OSI model
      - IP/ICMP/UDP/TCP protocols. Reliability. Retransmissions.
    - Encryption - symmetric and public key. RSA. Security. Man-in-the-middle attacks.

- VPN. Common uses. How does it work? Examples. When not to use VPN?
- OpenVPN.
  - Designing and deploying solutions
  - Server and client configuration

11. E-mail systems: Postfix
    - Design, installation and configuration
    - Maps and data sources
    - Postfix server - management and command-line tools
    - Procmail
    - Safe e-mail infrastructure based on Postfix and Dovecot (IMAP and POP3), monitoring its work
12. Security
    - Secure FTP server - vsftpd
    - TCP Wrapper
    - Log monitoring

**Ask for details**
Phone +44 203 608 6289
info@alx.training

## Target audience and prerequisites

This training is created for persons who, having finished the Linux Administrator course, wish to take the LPIC-2 exams as soon as possible. It requires having mastered at least the material contained in the mentioned above Linux Administrator course.

## Certificates

Course participants receive completion certificates signed by ALX.

## Locations

- Online (English) – your home, office or wherever you want
- Warsaw (English) – Jasna 14/16A
- any other location (London, UK, EU) on request

## Price

1140 EUR

The price includes:

- course materials,
- snacks, coffee, tea and soft drinks,
- course completion certificate,
- one-time consultation with the instructor after course completion.