

## LPI 202. Selected network services and network security (code: LPI-202)

### Overview

A practical overview of the most important network services for an administrator: from Apache, proxy servers and Samba, through NFS, DHCP servers and LDAP, to mail servers, security and troubleshooting and monitoring. A preparatory training for the LPI 202 exam, which is organized by *Linux Professional Institute*. Passing this exam and the LPI 201 exam allows one to acquire the LPIC-2 certificate - *Advanced Level Linux Certification*.

We offer this training, combined with the LPI 201 training, as an alternate path for our classical LPIC-2 training path (the Linux Administrator course and a supplementary course), for persons interested only in the LPIC-2 certification who already have some familiarity with Linux administration.

For persons interested in a more in-depth look at the topics covered during this training, we recommend the Advanced Linux Administrator course, which provides a thorough coverage of several advanced technologies.

### Ask for details

Phone +44 203 608 6289

info@alx.training

### Duration

5 days

### Agenda

1. Network services
  - Apache server
    - configuration
    - interesting modules
  - Server security
    - SSL, OpenSSL
    - Virtual servers in Apache 2.x
  - Proxy servers - Squid
  - Samba - MS Windows integration:
    - a theoretical introduction;
    - server configuration;
    - clients;
  - Sharing files via NFS
    - NFS configuration: client- and server-side
    - Fundamental tools
    - Access control
    - TCP Wrapper
  - DHCP server
    - Server configuration
    - BOOTP and DHCP protocols
    - Best practices in DHCP server management
2. LDAP catalog services in Linux
  - Using the LDAP client: data modification
  - Importing and adding objects
  - Managing users
3. E-mail systems based on Postfix
  - Design, setup, configuration
  - Maps and data sources
  - Postfix server - management, command line tools

- Procmail
- Secure e-mail infrastructure based on Postfix and Dovecot (IMAP and POP3), monitoring its work.
- 4. Security
  - PAM authentication
  - IPTables as a firewall: configuration, a simple NAT and typical setup
  - A safe FTP server - vsftpd
  - Using SSH and SFTP; SSH server
- 5. Problem solving and system monitoring
  - Boot problems solving
  - Syslog
  - Useful tools
  - Most common problems

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## Target audience and prerequisites

This training is designed for persons interested in taking the LPI 202 exam, and who have mastered the topics covered by the LPIC-1 certificate - that is, the basics of working in Linux, the command line and system configuration.

## Certificates

Course participants receive completion certificates signed by ALX.

## Locations

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

## Price

1290 EUR

The price includes:

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