

Linux network administration 2 (LPIC-2)

A 5 day **Hands on** training course



Description

LPIC-2 is the second certification in LPI's multi level professional certification program. This course teaches the skills necessary to pass the LPI 202 exam; the second of two LPIC-2 exams. Specifically, the course covers the administration of Linux systems in small to medium sized mixed networks.



Key outcomes

By the end of the course delegates will be able to:

- ✓ Install and configure fundamental network services.



Training Approach

This structured course uses Instructor Led Training to provide the best possible learning experience. Small class sizes ensure students benefit from our engaging and interactive style of teaching with delegates encouraged to ask questions throughout the course. Quizzes follow each major section allowing checking of learning. Hands on sessions are used throughout to allow delegates to consolidate their new skills.



Details

Who will benefit?

Linux administrators.

Prerequisites

Linux engineer certification 1 (LPIC-2)

Duration: 5 days

Overall rating:



Generic Training



Generic training compliments product specific courses covering the complete picture of all relevant devices including the protocols "on the wire".

"Friendly environment with expert teaching that teaches the why before the how."

G.C. Fasthosts

Small Class Sizes



We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.

"Excellent course. The small class size was a great benefit..."

M.B. IBM

Hands On Training



The majority of our courses use hands on sessions to reinforce the theory.

"Not many courses have practice added to it. Normally just the theoretical stuff is covered."

J.W. Vodafone

Our Courseware



We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.

"Comprehensive materials that made the course easy to follow and will be used as a reference point."

V.B. Rockwell Collins

Customise Your Course



Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.

"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."

S.R. Qinetiq

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Course Content

Part II The LPI 202 Exam

Organizing Email Services

The Linux Mail System, Mail Transfer Agent, Mail Delivery Agent, Mail User Agent, Email Protocols, SMTP, POP, IMAP, Using Email Servers, Sendmail, Postfix, Local Email Delivery, Procmal Basics, Sieve, Remote Email Delivery, Courier, Dovecot.

DNS

DNS and BIND, Configuring a DNS Server, Starting, Stopping, and Reloading BIND, Configuring BIND Logging, Creating and Maintaining DNS Zones, BIND Zone Files, Managing BIND Zones, Securing a DNS Server, ailing BIND, DNSSEC, TSIG, Employing DANE.

Offering Web Services

Web Servers, HTTP, The Apache Web Server, Installing and configuring Apache, Hosting Dynamic Web Applications, Secure Web Servers, Proxy Servers, Installing and configuring Squid, Configuring Clients, Nginx Server, Installing Nginx, Configuring Nginx.

Sharing Files

Samba, Configuring Samba, Troubleshooting Samba, NFS, Configuring NFS, Securing NFS, Troubleshooting NFS, FTP Servers, Configuring vsftpd, Configuring Pure-FTPd.

Managing Network Clients

Assigning Network Addresses, DHCP, Linux DHCP Software, Installing and configuring a DHCP Server and clients, Authentication Service, PAM Basics, Configuring PAM, PAM Application Files, Network Directories, LDAP Basics, OpenLDAP Server, LDAP Clients.

Setting Up System Security

Server Network Security, Port Scanning, Intrusion Detection Systems, External Network Security, iptables, Routing in Linux, Connecting Securely to a Server, OpenSSH, OpenVPN, Security Resources, US-CERT, SANS Institute, Bugtraq.

What our customers say

"Absolutely brilliant, very knowledgeable and helpful trainer would recommend to teach anyone. Kept me interested 100% of the time which is very impressive as this does not happen often, if at all!"

O. B. Network Rail

"The best technical course I've been on!"

L. W. Fujitsu Telecoms Europe

"Very well thought out and structured course. Would recommend 100%. Lots of equipment, good quality."

A.R. Unipart

"Course content is interesting. Relevant to current systems and presented well."

S.S-T. Arqiva

Step back

Linux engineer
certification 1 (LPIC-2)

Linux network
administration 2
(LPIC-2)

Step forward

Securing Linux systems

Linux virtualization and
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