

# Linux Professional Institute LPIC-2 (201-450 & 202-450)

This Linux Professional Institute LPIC-2 (201-450 & 202-450) LPI Certification training covers how to take control of small- to medium-sized mixed networks that depend on Linux technologies and manage every aspect of their administration. The LPIC-2 certification is perfect for a sysadmin who wants to prove their administration, maintenance, management, storage, networking, security, and even automation skills with a Linux network. This Linux Foundation training can be used for 201-450 and 202-450 exam prep, or as a Linux Foundation reference resource.

[CBT Nuggets course material](#) →

## WEEK 1

### Monitor & Measure Resources Usage

153 min.

Introduction to LPIC-2	6
Monitoring CPU and Memory	13
Monitoring Disk I/O	19
Network Monitoring	5
Collecting Data & Future Resources	10

### Kernel Components and Compilation

Overview	1
Kernel Introduction	10
Managing Kernel Modules	12
Kernel Configuration	15
Kernel Compilation and Installation	17

### Customize the System Startup

Overview	1
SysVinit and Runlevels	13
The inittab File	11
Changing Runlevels	6
Boot Scripts	12

## WEEK 2

160 min.

Managing Runlevels	8
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### System Recovery & Bootloaders

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Grub Legacy	12
Grub2	17
System Recovery Tools	3
Additional Bootloaders	5

### Operating the Linux Filesystem

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The Virtual File System	18
Manual Mounting	21
Automatic Mounting and Systemd	8
Swap Space	6

### Maintaining and Configuring File Systems

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EXT Tools	20
Additional EXT Tools	8
XFS Tools	4
Removable Media	5
SMART & Autofs	11

## WEEK 3

### Data Storage

153 min.

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RAID Configuration	13
Hard Drive Parameters	11
iSCSI	10

### LVM & Encryption

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LVM Configuration	22
Additional LVM Commands	8
Linux Encryption Basics	7

### Basic Network Configuration

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Network Interfaces	20
The ARP Table	8
Routing Tables	7
IP Commands	9
Wireless Connections	7

## WEEK 4

### Advanced Networking & Troubleshooting

152 min.

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Port Scanning	15
Additional Network Utilities	12
Packet Sniffing	6

### Building from Source & User Notifications

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Installing from Source	8
Installing from Source Configuration	11
Understanding User Notification	8

User Notification Configuration 6

### **Backup Operations**

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Introduction to Backups 12

Backup Strategies 17

Backup Archives 7

Transferring Backups 10

Block Device Backups 4

## **WEEK 5**

### **Troubleshoot Network Issues**

**157 min.**

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Network Troubleshooting & Diagnostics 16

Network Management 6

Hostnames & TCP Wrappers 10

### **Configure a Basic DNS Server**

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Introduction to DNS 14

Client Tools and Configurations 13

DNS Records 4

BIND Server Configuration 18

### **Implement a Web Server**

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Introduction to Apache 18

Apache Modules 7

Multiprocessing Modules 7

Apache Authentication 7

Virtual Hosts 12

## **WEEK 6**

### **Implement DNS Zones and Security**

**154 min.**

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Creating Zones 15

DNS Configuration Files 15

Split DNS 7

Send BIND to Jail 8

### **Implement SSL & Web Proxies**

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Introduction to SSL 13

SSL Configuration 11

Forward Proxies and Squid 16

Reverse Proxies and Nginx 11

### **Configure SAMBA Servers**

Overview 1

Introduction 6

SAMBA Basics 8

SAMBA Configuration 18

SAMBA Authentication 16

## **WEEK 7**

**153 min.**

## Configure NFS Servers

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NFS Client Configuration	9
Controlling Access	8
Automatic Mounting	5

## Configure DHCP

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DHCP Server Configuration	11
DHCP Relay	14
Static Hosts	6

## Configure PAM and LDAP

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PAM Modules	8
LDAP Basics	11
LDAP Configuration	19

## WEEK 8

### Manage Email Services

154 min.

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Remote Delivery	8

## Configure Routing and FTP Services

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Targets and Routing Configuration	9
NAT and Filtering Configuration	13
FTP	15

## Configure Secure Shell

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SSH Client Configuration	7
SCP and SFTP	11

## WEEK 9

60 min.

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## Manage Security Tasks & VPNs

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Security Resources	5
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