Linux: Managing Web Services (LPIC-2)

INTRODUCING WEB SERVICES

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Objectives

Identify LPIC-2 certification path

Identify Pluralsight courses for the LPIC-2 202 exam

Lab environment and install of Arch Linux

The 30 second install of Apache HTTP Web Server

LPIC-2 Requisites

Exam	Course	

LPIC-2 Requisites

Exam	Course
101-400	Exam Review for CompTIA Linux+ (LX0-103) and LPI LPIC-1 (101-400)

LPIC-2 Requisites

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101-400	Exam Review for CompTIA Linux+ (LX0-103) and LPI LPIC-1 (101-400)
102-400	Exam Review for CompTIA Linux+ (LX0-104) and LPI LPIC-1 (102-400)

LPIC-2 Requisites

Exam	Course
101-400	Exam Review for CompTIA Linux+ (LX0-103) and LPI LPIC-1 (101-400)
102-400	Exam Review for CompTIA Linux+ (LX0-104) and LPI LPIC-1 (102-400)
201-400	Linux Monitoring and Maintenance (LPIC-2)
	Linux Kernel and System Startup (LPIC-2)
	Linux Advanced File System Management (LPIC-2)

LPIC-2 Requisites

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202-400	

LPIC-2 Linux Network Professional

207
DNS Servers

208
Web Servers

209
File Servers

210
Client Access

211
E-Mail

212
Security

Lab Environment

Arch Linux

The philosophy of using Arch Linux for the demonstrations comes from Arch itself and KISS: "*Keep it simple stupid*". Arch has a simple design without trying to hide configuration. This keeps the Apache configuration more simple than other distributions such as CentOS or Ubuntu. You are welcome to use the distribution of your choice.

Apache HTTPD 2.4

The latest version of the Apache Web Server is version 2.4 and this is found in most recent Linux distributions. The exam objectives expect you to know version 2.x which could include earlier versions to 2.4. We will work with version 2.4 and current distributions

Installing Arch - Partitioning

Installing Arch - Adding Packages

Installing Arch - Configuring

```
$ sudo pacman -S apache

$ sudo systemctl enable httpd

$ sudo systemctl start httpd

$ sudo su -c "echo Hello > /srv/http/index.html"
```

Installing Apache

If we need the Apache Web Server installing the out-of-the-box configuration will work. Understanding the configuration will take a little longer.
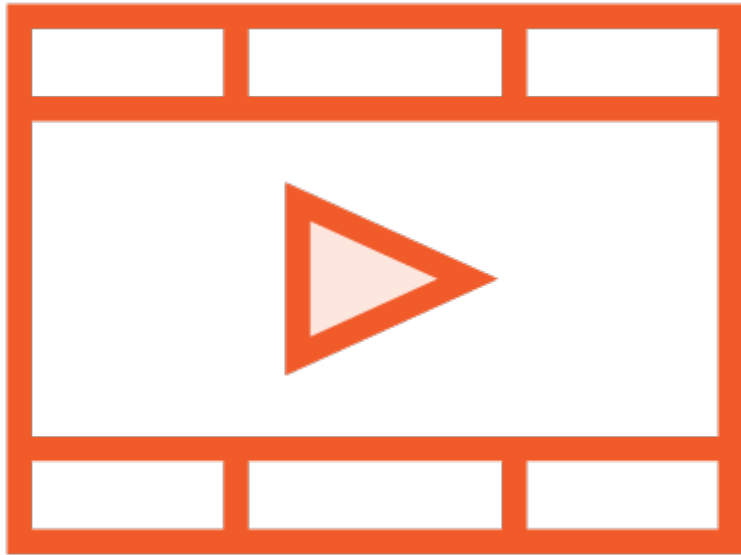
Installing Apache HTTPD

LPIC-1: 101 and 102 exam

LPIC-2: 201 and 202 exam

Objective 208: Web Services
- Apache Web Server
- Squid Web Proxy
- NGINX Web Server

Installed Arch Linux

Install Apache out-of-the-box

Next up: Apache HTTPD
Minimal Configuration