

Installing the Apache Web Server

LPIC-2: Linux Engineer (202-450)

Objectives:

At the end of this episode, I will be able to:

1. Describe the purpose and function of the Apache web server.
2. Install and configure the Apache web server on Ubuntu Linux.

Additional resources used during the episode can be obtained using the download link on the overview episode.

- Apache
 - The world's most popular web server
 - Frequently used with NginX
 - Serves up HTML content
 - Provides encrypted connections
 - Supports other features through a module system
 - PHP
 - CGI Gateway
 - Authentication
- Installing Apache
 - Package name
 - **httpd** - RHEL-based distros
 - **apache2** - Debian-based distros
 - Installing
 - `sudo apt install apache2`
- Starting Apache
 - `sudo systemctl enable --now apache2`
 - `sudo ufw allow http`
- Verifying Apache
 - Browse to `http://<servername>`
 - `systemctl status apache2`
- Modifying the Apache configuration
 - Global config
 - `sudoedit /etc/apache2/apache2.conf`
 - **Server name**
 - `ServerName "10.0.222.51"`
 - Site config
 - `sudoedit /etc/apache2/sites-available/000-default.conf`
 - **Content location**
 - `DocumentRoot "/var/www/html"`
 - **Default index files**
 - `DirectoryIndex index.html index.php`
- Checking your configuration
 - `apachectl configtest`