

Lab. How To Install WordPress on Ubuntu 22.04 with a LAMP Stack

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In this article, we will guide you through the process of installing WordPress on Ubuntu 22.04 using a LAMP stack. LAMP stack is a popular combination of software that includes Linux, Apache, MySQL, and PHP. We will be using the command-line interface (CLI) to execute all the necessary commands.

Prerequisites

- Ubuntu 22.04 server with SSH access
- Root access or sudo privileges

Step 1: Install Apache Web Server

The first step in installing WordPress on Ubuntu 22.04 with a LAMP stack is to install the Apache web server. To do this, open a terminal window and enter the following command:

```
$ sudo apt update
```

```
$ sudo apt install apache2
```

After the installation is complete, start the Apache service by running:

```
$ sudo systemctl start apache2
```

To ensure that the service is running, run the following command:

```
$ sudo systemctl status apache2
```

You should see a message indicating that the Apache service is active and running.

Step 2: Install MySQL

The second step is to install MySQL, which is a database management system that will store all the data for your WordPress site. To install MySQL, run the following command:

```
$ sudo apt install mysql-server
```

During the installation, you will be prompted to set a root password for the MySQL server. Choose a strong password and remember it as you will need it later.

After the installation is complete, run the following command to secure the MySQL installation:

```
$ sudo mysql_secure_installation
```

This will prompt you to configure a few security settings, such as setting a root password, removing anonymous users, disabling remote root login, and removing the test database. Follow the prompts to complete the security configuration.

Step 3: Install PHP and Required Modules

The third step is to install PHP and the required modules that WordPress needs to run. To do this, run the following command:

```
$ sudo apt install php libapache2-mod-php php-mysql php-curl php-gd php-imagick  
php-mbstring php-xml php-xmlrpc
```

40
41 After the installation is complete, restart the Apache service by running:
42 `$ sudo systemctl restart apache2`
43
44
45 Step 4: Create a MySQL Database and User for WordPress
46 The fourth step is to create a MySQL database and user for WordPress to use. To do this, log
in to the MySQL server by running:
47 `$ sudo mysql -u root -p`
48
49 Enter the root password you set during the MySQL installation. Then, create a new database
and user by running the following commands:
50
51 `>CREATE DATABASE WordPress;`
52 `>CREATE USER 'wpuser'@'localhost' IDENTIFIED BY 'password';`
53 `>GRANT ALL PRIVILEGES ON WordPress.* TO 'wpuser'@'localhost';`
54 `>FLUSH PRIVILEGES;`
55
56 Replace 'password' with a strong password of your choice.
57
58
59 Step 5: Install WordPress
60 The final step is to install WordPress. First, navigate to the Apache web root directory by
running:
61 `$ cd /var/www/html`
62
63 Then, download the latest version of WordPress by running the following command:
64 `$ sudo wget -c http://wordpress.org/latest.tar.gz`
65
66 Extract the downloaded archive by running:
67 `$ sudo tar -xzf latest.tar.gz`
68
69 This will create a new directory called 'wordpress' in the /var/www/html directory. Move into
this directory by running:
70 `$ cd wordpress`
71
72 Copy the sample configuration file by running:
73 `$ cp wp-config-sample.php wp-config.php`
74
75 Edit the wp-config.php file by running:
76 `$ sudo nano wp-config.php`
77
78 Enter the database information you created earlier by replacing the following lines:
79
80 `define('DB_NAME', 'database_name_here');`
81 `define('DB_USER', 'username_here');`
82 `define('DB_PASSWORD', 'password_here');`
83 with:
84
85 `define('DB_NAME', 'WordPress');`
86 `define('DB_USER', 'wpuser');`

87 `define('DB_PASSWORD', 'password');`

88

89 Save and exit the file.

90 Finally, open a web browser and navigate to <http://your-server-ip-address/wordpress/>. Follow the WordPress installation prompts, and you should be able to successfully install WordPress on Ubuntu 22.04 with a LAMP stack.