

Install LAMP in Ubuntu

LAMP is an open-source Web development platform that uses *Linux* as the operating system, *Apache* as the Web server, *MySQL* as the relational database management system and *PHP/Perl/Python* as the object-oriented scripting language.

Update your system

```
sudo apt update
```

Install Apache using apt:

```
sudo apt install apache2
```

Confirm that Apache is now running with the following command:

```
sudo systemctl status apache2
```

if it is not working

```
sudo systemctl start apache2
```

Once installed, test by accessing your server's IP in your browser:

```
http://youripaddress
```

Install mariadb

(MariaDB is a fork of MySQL from some of the original MySQL team and is a drop-in replacement.)

```
sudo apt install mariadb-server mariadb-client
```

Check mariadb Installation

```
sudo systemctl status mysql
```

(if it is not working `sudo systemctl start mysql`)

Secure your newly installed MariaDB service:

```
sudo mysql_secure_installation
```

(This will set password for mariadb, and strengthen the security by asking some questions like disallow root login remotely? Remove test database? Etc)

Install PHP and commonly used modules

```
sudo apt install php libapache2-mod-php php-opcache php-cli php-gd php-curl  
php-mysql
```

Restart apache2

```
sudo systemctl restart apache2
```

Now you can check php installation

```
sudo echo "<?php phpinfo(); ?>" | sudo tee -a /var/www/html/phpinfo.php >
```

Open a browser

<http://127.0.0.1/phpinfo.php>

Install phpmyadmin

```
sudo apt install phpmyadmin php-mbstring php-zip php-gd php-json php-curl
```

(It ask for webserver select apache2, select db-configuration and set password)

Restart apache2

```
sudo systemctl restart apache2
```

Check phpmyadmin

Open a browser

<http://localhost/phpmyadmin>

If you get a 404 error upon visiting <http://localhost/phpmyadmin>: You will need to configure apache2.conf to work with Phpmyadmin.

```
$ gksudo gedit /etc/apache2/apache2.conf
```

Include the following line at the bottom of the file, save and quit.

```
$ Include /etc/phpmyadmin/apache.conf
```

username : root

password : yourpassword

If any problem for login run the following command

```
sudo mysql
```

```
ALTER USER root@localhost IDENTIFIED BY "yourpassword";
```

Install word press on ubuntu

WordPress is a free, open-source website creation platform. On a more technical level, WordPress is a content management system (CMS) written in PHP that uses a MySQL database.

Creating html directory

```
cd /var/www/html
```

Download wordpress zip file from wordpress.org (latest.zip)

```
sudo wget https://wordpress.org/latest.zip
```

unzip the zip file

```
sudo unzip latest.zip
```

remove the zip file

```
sudo rm -r latest.zip
```

move the wordpress file to WP directory

```
sudo mv wordpress/ wp
```

```
mysql -u root -p (For entering mysql in terminal)
```

Give wp directory ownership to a user

```
sudo chown -R shameer /var/www/html/wp
```

```
sudo chown -R www-data:www-data /var/www/html/wp
```

open the web browser

<http://localhost/wp/wp-admin/> (word press login user name: admin, password: admin)