

Hosting Wordpress on UBUNTU

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Steps to install WordPress on Ubuntu 22.04 LTS Linux

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Update Ubuntu

```
apt update
```

```
Get:42 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [228 B]  
Fetched 25.4 MB in 4s (6417 kB/s)  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
22 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

Install apache

```
apt install apache2
```

```
systemctl enable apache2
```

```
systemctl status apache2
```

```
root@ubuntu:~# apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser bzip2-doc
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support ssl-cert
0 upgraded, 13 newly installed, 0 to remove and 22 not upgraded.
Need to get 2136 kB of archives.
After this operation, 8595 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libapr1 amd64 1.7.0-8build1 [107 kB]
```

Install PHP version 8

```
sudo apt install -y php php-  
{common,mysql,xml,xmllrpc,curl,gd,imagick,cli,dev,imap,mbstring,opcache  
,soap,zip,intl}
```

```
php -v
```

Install MariaDB or MySQL

```
apt install mariadb-server mariadb-client  
  
systemctl enable --now mariadb  
  
systemctl status mariadb
```

Secure your Database Installation:

```
mysql_secure_installation
```

```
root@ubuntu:~# mysql_secure_installation  
  
NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB  
SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!  
  
In order to log into MariaDB to secure it, we'll need the current  
password for the root user. If you've just installed MariaDB, and  
haven't set the root password yet, you should just press enter here.  
  
Enter current password for root (enter for none):
```

Create Database for WordPress

```
mysql -u root -p
```

```

root@ubuntu:~# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 41
Server version: 10.6.11-MariaDB-0ubuntu0.22.04.1 Ubuntu 22.04

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> CREATE USER 'tan'@'localhost' IDENTIFIED BY 'tan';
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> CREATE DATABASE wordpress_db;
Query OK, 1 row affected (0.000 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON wordpress_db.* TO 'tan'@'localhost';
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> █

```

Install WordPress on Ubuntu 22.04

```
apt install wget unzip
```

```

root@ubuntu:~# apt install wget unzip
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
wget is already the newest version (1.21.2-2ubuntu1).
wget set to manually installed.
Suggested packages:
  zip
The following NEW packages will be installed:
  unzip
0 upgraded, 1 newly installed, 0 to remove and 22 not upgraded.
Need to get 174 kB of archives.
After this operation, 385 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 unzip amd64 6.0-26ubuntu3.1 [174 kB]
Fetched 174 kB in 0s (7201 kB/s)
Selecting previously unselected package unzip.
(Reading database ... 74995 files and directories currently installed.)
Preparing to unpack .../unzip_6.0-26ubuntu3.1_amd64.deb ...
Unpacking unzip (6.0-26ubuntu3.1) ...
Setting up unzip (6.0-26ubuntu3.1) ...
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...
Processing triggers for man-db (2.10.2-1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ubuntu:~# █

```

Download Wordpress

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

Unzip Wordpress

```
unzip latest.zip
```

```
root@ubuntu:~# unzip latest.zip
Archive: latest.zip
  creating: wordpress/
  inflating: wordpress/xmlrpc.php
  inflating: wordpress/wp-blog-header.php
  inflating: wordpress/readme.html
  inflating: wordpress/wp-signup.php
  inflating: wordpress/index.php
  inflating: wordpress/wp-cron.php
  inflating: wordpress/wp-config-sample.php
  inflating: wordpress/wp-login.php
  inflating: wordpress/wp-settings.php
  inflating: wordpress/license.txt
  creating: wordpress/wp-content/
  creating: wordpress/wp-content/themes/
  creating: wordpress/wp-content/themes/twentytwentythree/
```

Move Wordpress

```
mv wordpress/ /var/www/html/
```

```
root@ubuntu:~# mv wordpress/ /var/www/html/
root@ubuntu:~#
```

Change file permission

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

```
sudo chmod -R 755 /var/www/html/wordpress/
```

Configure Apache on Ubuntu 22.04

```
nano /etc/apache2/sites-available/wordpress.conf
```

<VirtualHost *:80>

DocumentRoot /var/www/html/wordpress

ServerName wordpress.vuthy.online

<Directory /var/www/html/wordpress/>

Options FollowSymLinks

AllowOverride All

Require all granted

</Directory>

ErrorLog \${APACHE_LOG_DIR}/error.log

CustomLog \${APACHE_LOG_DIR}/access.log combined

</VirtualHost>

Enable virtual host

```
sudo a2ensite wordpress.conf
```

```
root@ubuntu:~# sudo a2ensite wordpress.conf
Enabling site wordpress.
To activate the new configuration, you need to run:
  systemctl reload apache2
root@ubuntu:~# systemctl reload apache2
Command 'systemctl' not found, did you mean:
  command 'systemctl' from deb systemd (249.11-0ubuntu3.6)
  command 'systemctl' from deb systemctl (1.4.4181-1.1)
Try: apt install <deb name>
root@ubuntu:~# systemctl reload apache2
root@ubuntu:~#
```

Enable rewrite module

```
sudo a2enmod rewrite
```

```
root@ubuntu:~# sudo a2enmod rewrite
Enabling module rewrite.
To activate the new configuration, you need to run:
  systemctl restart apache2
root@ubuntu:~# systemctl reload apache2
root@ubuntu:~#
```

Disable the default Apache test page

```
sudo a2dissite 000-default.conf
```

```
root@ubuntu:~# sudo a2dissite 000-default.conf
Site 000-default disabled.
To activate the new configuration, you need to run:
  systemctl reload apache2
root@ubuntu:~# systemctl reload apache2
root@ubuntu:~#
```

Restart the Apache webserver to apply the changes:

```
sudo systemctl restart apache2
```

```
root@ubuntu:~# sudo systemctl restart apache2
root@ubuntu:~#
```