

# How To Install Wordpress on Arch Linux

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## About Wordpress

Wordpress is a free and open source website and blogging tool that uses php and MySQL. It was created in 2003 and has since then expanded to manage 22% of all the new websites created and has over 20,000 plugins to customize its functionality.

## Step One—Download WordPress

Make sure that wget is installed on your server:

```
sudo pacman -S wget
```

We can download Wordpress straight from their website:

```
wget http://wordpress.org/latest.tar.gz
```

This command will download the zipped wordpress package straight to your user's home directory. You can unzip it the the next line:

```
tar -xzvf latest.tar.gz
```

## Step Two—Create the WordPress Database and User

After we unzip the wordpress files, they will be in a directory called wordpress in the home directory.

Now we need to switch gears for a moment and create a new MySQL directory for wordpress.

Go ahead and log into the MySQL Shell:

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

Login using your MySQL root password, and then we need to create a wordpress database, a user in that database, and give that user a new password. Keep in mind that all MySQL commands must end with semi-colon.

First, let's make the database (I'm calling mine wordpress for simplicity's sake; feel free to give it whatever name you choose):

```
CREATE DATABASE wordpress;  
Query OK, 1 row affected (0.00 sec)
```

Then we need to create the new user. You can replace the database, name, and password, with whatever you prefer:

```
CREATE USER wordpressuser@localhost;  
Query OK, 0 rows affected (0.00 sec)
```

Set the password for your new user:

```
SET PASSWORD FOR wordpressuser@localhost= PASSWORD("password");  
Query OK, 0 rows affected (0.00 sec)
```

Finish up by granting all privileges to the new user. Without this command, the wordpress installer will not be able to start up:

```
GRANT ALL PRIVILEGES ON wordpress.* TO wordpressuser@localhost IDENTIFIED BY  
'password';  
Query OK, 0 rows affected (0.00 sec)
```

Then refresh MySQL:

```
FLUSH PRIVILEGES;  
Query OK, 0 rows affected (0.00 sec)
```

Exit out of the MySQL shell:

```
exit
```

### Step Three—Setup the WordPress Configuration

The first step to is to copy the sample wordpress configuration file, located in the wordpress directory, into a new file which we will edit, creating a new usable wordpress config:

```
cp ~/wordpress/wp-config-sample.php ~/wordpress/wp-config.php
```

Then open the wordpress config:

```
sudo nano ~/wordpress/wp-config.php
```

Find the section that contains the field below and substitute in the correct name for your database, username, and password:

```
// ** MySQL settings - You can get this info from your web host ** //  
/** The name of the database for WordPress */  
define('DB_NAME', 'wordpress');  
/** MySQL database username */  
define('DB_USER', 'wordpressuser');  
/** MySQL database password */  
define('DB_PASSWORD', 'password');
```

Save and Exit.

## Step Four—Copy the Files

We are almost done uploading Wordpress to the server. The final move that remains is to transfer the unzipped WordPress files to the website's root directory.

```
sudo cp -r ~/wordpress/* /srv/http/
```

Additionally, make sure that PHP can connect to MySQL. Open up the php.ini file:

```
sudo nano /etc/php/php.ini
```

Find the line and remove the semi-colon:

```
;extension=mysql.so
```

The line should now look like this:

```
extension=mysql.so
```

Restart Apache:

```
sudo /etc/rc.d/httpd restart
```

**UPDATE:** Since the introduction of systemd, the proper way of restarting Apache is by running the following command:

```
sudo systemctl restart httpd
```

From here, WordPress has its own easy to follow installation form online.

## Step Five—RESULTS: Access the WordPress Installation

Once that is all done, the wordpress online installation page is up and waiting for you: Access the page by adding /wp-admin/install.php to your site's domain or IP address (eg. example.com/wp-admin/install.php) and fill out the short online form