

Install WordPress

Download

WordPress offers its software under two versions

- A version hosted on their servers, WordPress.com
- A version to download, WordPress.org

So you have to use the second option to use it on your Raspberry Pi

Download WordPress from the [official website](https://wordpress.org/)

Copy the link (right click on it) and download it to the Raspberry Pi via SSH:

```
sudo wget https://wordpress.org/latest.zip -O /var/www/html/wordpress.zip
```

Uncompress

Move to the web folder and uncompress the file:

```
cd /var/www/html  
sudo unzip wordpress.zip
```

Rights

To avoid permissions problems with WordPress, and also to no longer need the sudo later, we can **modify the rights on the WordPress files**

```
sudo chmod 755 wordpress -R  
sudo chown www-data wordpress -R
```

This will give full rights to Apache, and read/execution to others

Configuration

The code of WordPress is now in place; it remains only to configure it, i.e.:

- Configure the connection to the database
- Create a login for the administration of WordPress

Access the installation wizard by pointing your browser at <http://X.X.X.X/wordpress>

Click Let's Go Button

On the next screen, fill the form with the MySQL user created before

You should have something like this

Validate, and the wizard will ask you to run the installation

Click the button and wait

On the next screen you have to choose the site name, and create the administrator user

Fill in the fields with what you want, then validate

It will still take a few moments

Here we are!

The configuration is complete; you can go back to the address <http://X.X.X.X/wordpress> to **see your WordPress website live!**

The wizard offers you to go directly to the administration page; we'll talk about it right after

Extra Tips for WordPress

WordPress introduction

I will not go into much detail in using WordPress; this is not the goal here

But now that it is installed, I will give you 2/3 tips to get started

Admin and Front

WordPress is composed of two parts:

- **Administration:** accessible by adding / wp-admin to the URL, it allows you to configure your site and add content
- **Front:** this is the part visible to all visitors

When you are logged in, the top bar allows you to switch from one to the other easily

Appearance

WordPress comes with a basic design, but it is possible to customize your site as you wish

To get started, go to Appearance> Themes

Here you can **add free themes** from the list

In the Appearance menu, you can also manage the menus of your site, and the widgets

A widget is a block that can be integrated into the sidebar for example to display a search engine or an image

Plugins

A bit like Raspberry Pi, WordPress provided a scalable foundation

It is indeed possible to **install plugins**, to add additional features to your website or your admin

Go to Plugins > Add new to see a list of all plugins available

Pages and Posts

Once your site is personalized, it's time to **add content**

For this you can create two types of content:

- **Pages:** These are static pages, which contain for example your homepage or a contact form
- **Posts:** that's all the rest of the content, they are grouped into categories to make it easier for them to search later

You will be able to add your pages and categories to your menus, and the posts will appear automatically

Services management

Let's go back to our services that allow you to run WordPress: Apache, PHP, and MySQL

You need to know that there are commands to start or stop them

This may be useful in case of a crash, or if you want to stop them to cut access to the site

Here are the commands:

```
sudo service apache2 start | stop | restart | reload  
sudo service mysql start | stop | restart | reload
```

As I said above PHP is a module of Apache, so there is no particular command to launch

If Apache is running, the PHP pages will be displayed correctly

Services configuration files

I will also tell you **where to find the configuration files** if you ever want to make changes

Apache : /etc/apache2

PHP : /etc/php

MySQL : /etc/mysql

In the case of a WordPress installation, you normally do not need to touch it

But maybe if this article makes you want to try other things it could be useful

PHPMyAdmin

PHPMyAdmin is a handy tool that you can use on a LAMP installation

This is a web interface that will **allow you to access your MySQL databases** in a more intuitive way

You will be able to view and modify the data, create users, manage rights and supervise the MySQL server.

To install it, use the following command

```
sudo apt-get install phpmyadmin
```

Choose apache2 as your web server when asked

You can skip database configuration

Once the installation is complete, the interface is available at <http://X.X.X.X/phpmyadmin>

Log in with your wordpress account to see the WordPress database

Share the website on the Internet

If you want to **share this newly created website** on the internet, it is quite possible

You simply have to redirect a port from your internet box on the port 80 of Raspberry Pi = to be able to connect to the site by using the public IP address of your Internet connection

Public IP:PORT => Raspberry Pi IP: 80

So you can access the website with <http://Y.Y.Y.Y:PORT/wordpress>

Y.Y.Y.Y is your public IP, and PORT the port you choose

If you do not have a fixed IP address, you can inquire about dynamic DNS services that allow you to use a web address that will be constantly updated with your new IP address