

What is WAMP?

Ok, so we now know what localhost is. But, why do we need a localhost?

WordPress is written using PHP (Hypertext Preprocessor). Just like WordPress, PHP is also open-source and is a widely-used programming and scripting language to create dynamic and interactive websites.

To ensure your WordPress website functions properly, you require a database. The database stores information such as user profiles, blog articles, product details, and everything you see on your site.

The database used is MySQL.

MySQL is a DBMS (Database Management System) that is used by WordPress to store and retrieve all your website information. Again, just like WordPress and PHP, MySQL is open-source.

For the sake of brevity, open-source software is where the source code is made freely available and it may be redistributed and modified to best suit your requirements.

To run PHP and MySQL which is required to run your WordPress website, you require a web server.

Yes, you've guessed it.

To create your local web server on your Windows computer, you will need to install WAMP.



WampServer

Apache, PHP, MySQL sous Windows

START

DOWNLOAD

TRAINING

FORUM

CLOUD HOSTING

FRANÇAIS РУССКИЙ

WAMPSEVER,

a Windows web development environment.

WampServer is a Windows web development environment. It allows you to create web applications with Apache2, PHP and a MySQL database. Alongside, PhpMyAdmin allows you to manage easily your databases.

START USING WAMPSEVER



START WITH WAMPSEVER



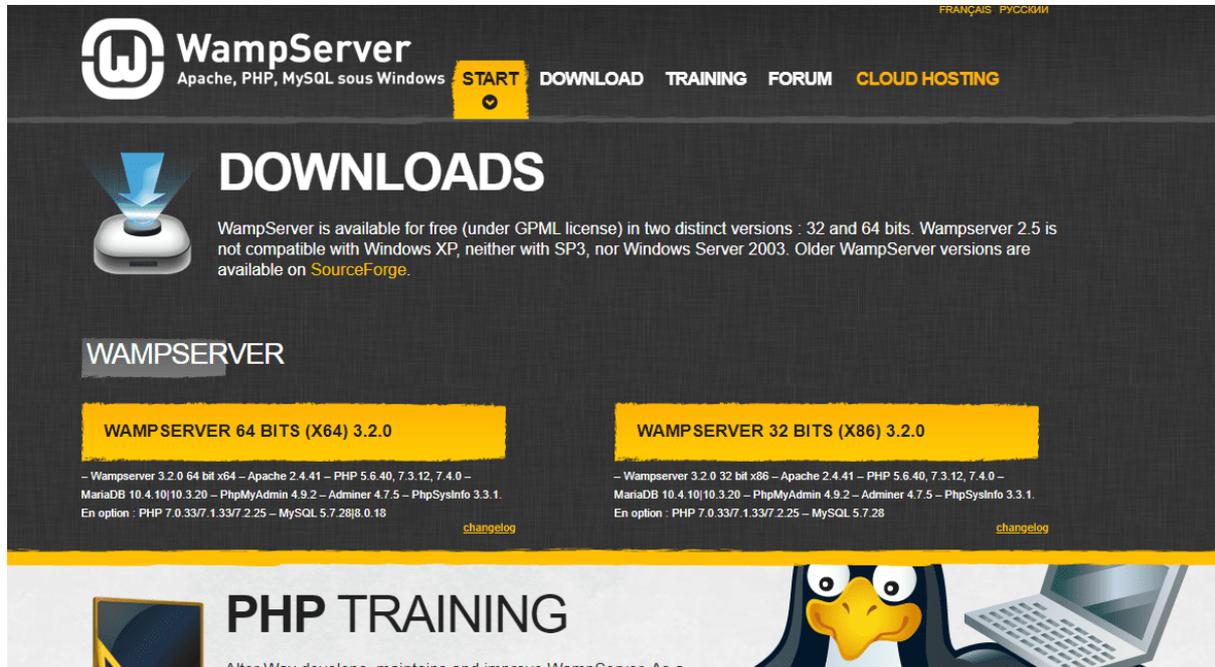
WampServer installs automatically all you need to start developing web applications and is very intuitive to use. You will be able to tune your server without even touching the setting files.

WAMP, or WAMPSEVER, allows you to install WordPress on your computer, act as localhost, and allows you to build and configure your website without requiring a web host.

WAMP is a completely free and easy to install software package that helps you set up a local web server environment to run WordPress on your computer and have it act as though it's on the internet

Step 1: Download and Install WAMP on Your Local Computer

Visit the [WAMP website](#).

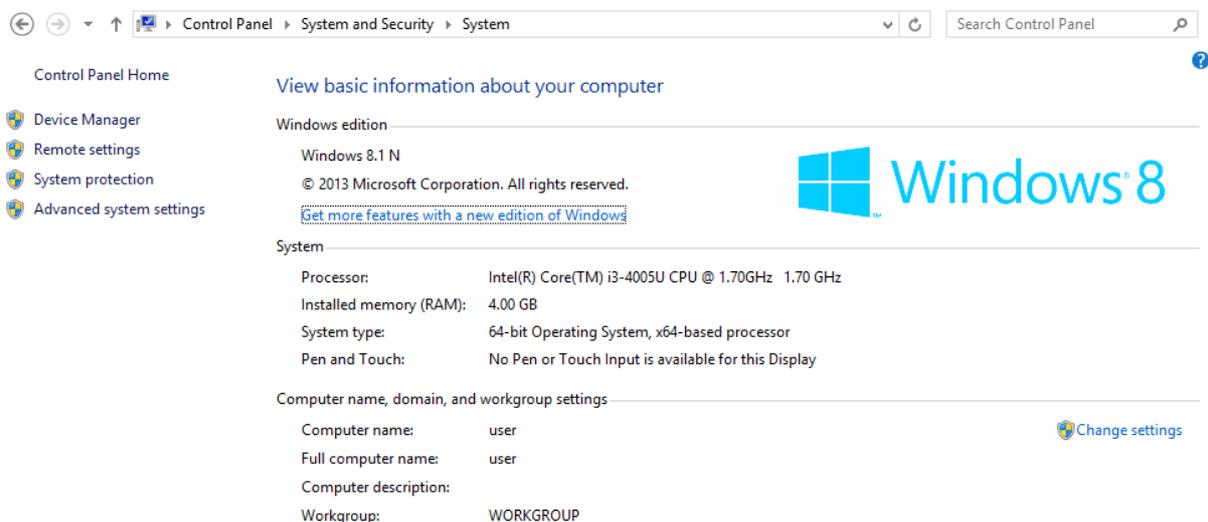


The screenshot shows the WampServer website with a dark theme. At the top, there is a navigation bar with links for 'START', 'DOWNLOAD', 'TRAINING', 'FORUM', and 'CLOUD HOSTING'. The main heading is 'DOWNLOADS'. Below it, a paragraph states: 'WampServer is available for free (under GPL license) in two distinct versions : 32 and 64 bits. Wampserver 2.5 is not compatible with Windows XP, neither with SP3, nor Windows Server 2003. Older WampServer versions are available on SourceForge.' There are two yellow buttons for downloading: 'WAMPSEVER 64 BITS (X64) 3.2.0' and 'WAMPSEVER 32 BITS (X86) 3.2.0'. Below each button is a list of included software versions. At the bottom, there is a 'PHP TRAINING' section with a penguin mascot and a laptop.

You will notice there are two download versions. ‘**WAMPSEVER 64 BITS (X64) 3.2.0**’ and ‘**WAMPSEVER 32 BITS (X86) 3.2.0**’.

How do you know which version to download? The ‘64 Bits’ or the ‘32 Bits’?

For this, go ahead to ‘**Control Panel > System and Security > System**’ on your computer.

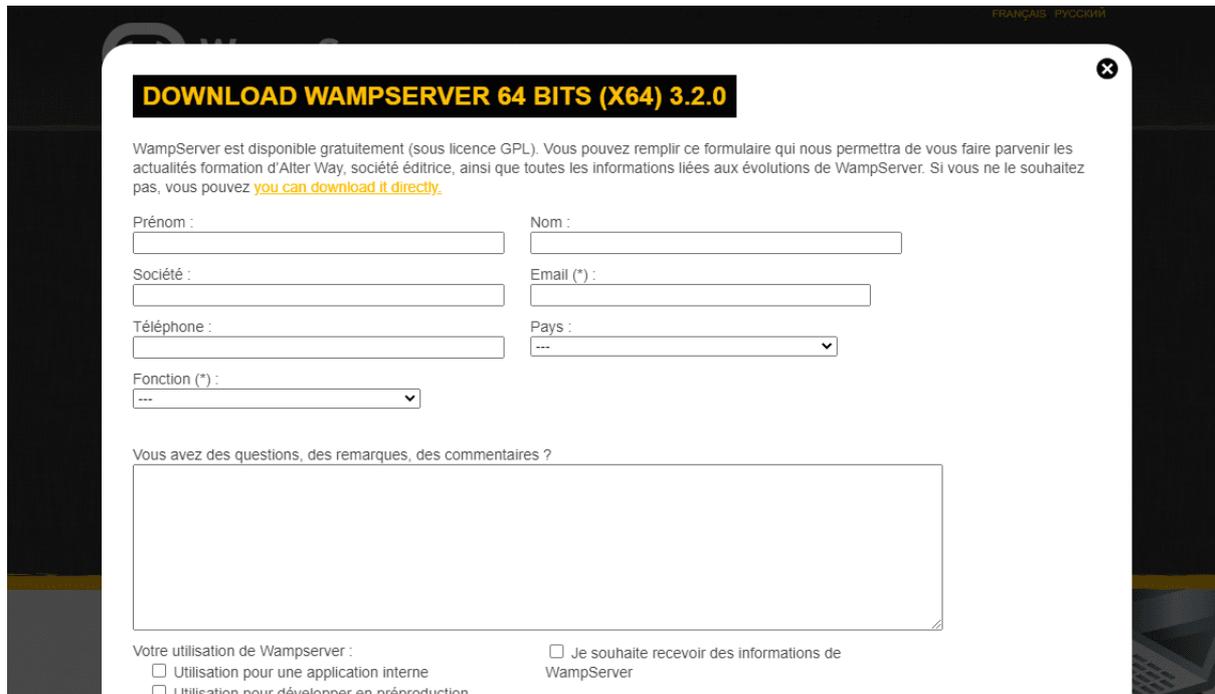


The screenshot shows the Windows 8.1 N System Control Panel page. The breadcrumb trail is 'Control Panel > System and Security > System'. The page title is 'View basic information about your computer'. The 'Windows edition' section shows 'Windows 8.1 N' and '© 2013 Microsoft Corporation. All rights reserved.' with a link to 'Get more features with a new edition of Windows'. The 'System' section lists: Processor: Intel(R) Core(TM) i3-4005U CPU @ 1.70GHz 1.70 GHz; Installed memory (RAM): 4.00 GB; System type: 64-bit Operating System, x64-based processor; Pen and Touch: No Pen or Touch Input is available for this Display. The 'Computer name, domain, and workgroup settings' section lists: Computer name: user; Full computer name: user; Computer description: ; Workgroup: WORKGROUP. There is a 'Change settings' link at the bottom right.

As shown in the above image, you will find the 'System type' information. And as indicated, we will download the 64-bit version.

Download the '**WAMPSERVER 64 BITS (X64) 3.2.0**' version.

You may be prompted to key in your details, as shown below.



DOWNLOAD WAMPSERVER 64 BITS (X64) 3.2.0

WampServer est disponible gratuitement (sous licence GPL). Vous pouvez remplir ce formulaire qui nous permettra de vous faire parvenir les actualités formation d'Alter Way, société éditrice, ainsi que toutes les informations liées aux évolutions de WampServer. Si vous ne le souhaitez pas, vous pouvez [you can download it directly](#).

Prénom : Nom :

Société : Email (*) :

Téléphone : Pays :

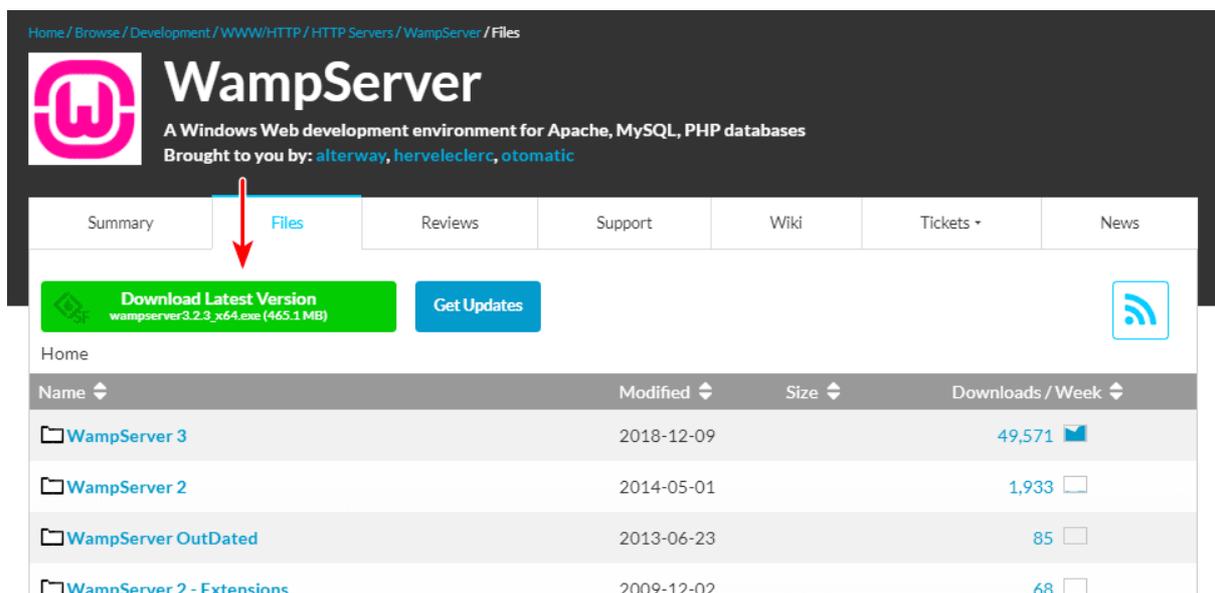
Fonction (*) :

Vous avez des questions, des remarques, des commentaires ?

Votre utilisation de Wampserver : Utilisation pour une application interne Je souhaite recevoir des informations de WampServer
 Utilisation pour développer en préproduction

You could do so or just click on the '**you can download it directly**' link.

You will be directed to an external website.



Home / Browse / Development / WWW/HTTP / HTTP Servers / WampServer / Files

WampServer

A Windows Web development environment for Apache, MySQL, PHP databases
Brought to you by: [alterway](#), [herveleclerc](#), [otomatic](#)

Summary **Files** Reviews Support Wiki Tickets - News

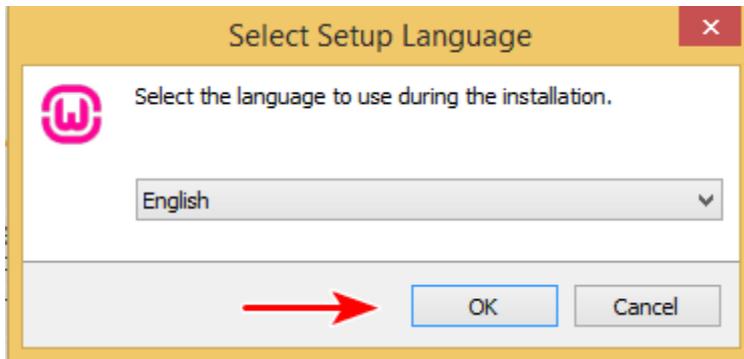
[Download Latest Version](#)
wampserver3.2.3_x64.exe (465.1 MB) [Get Updates](#)

Home

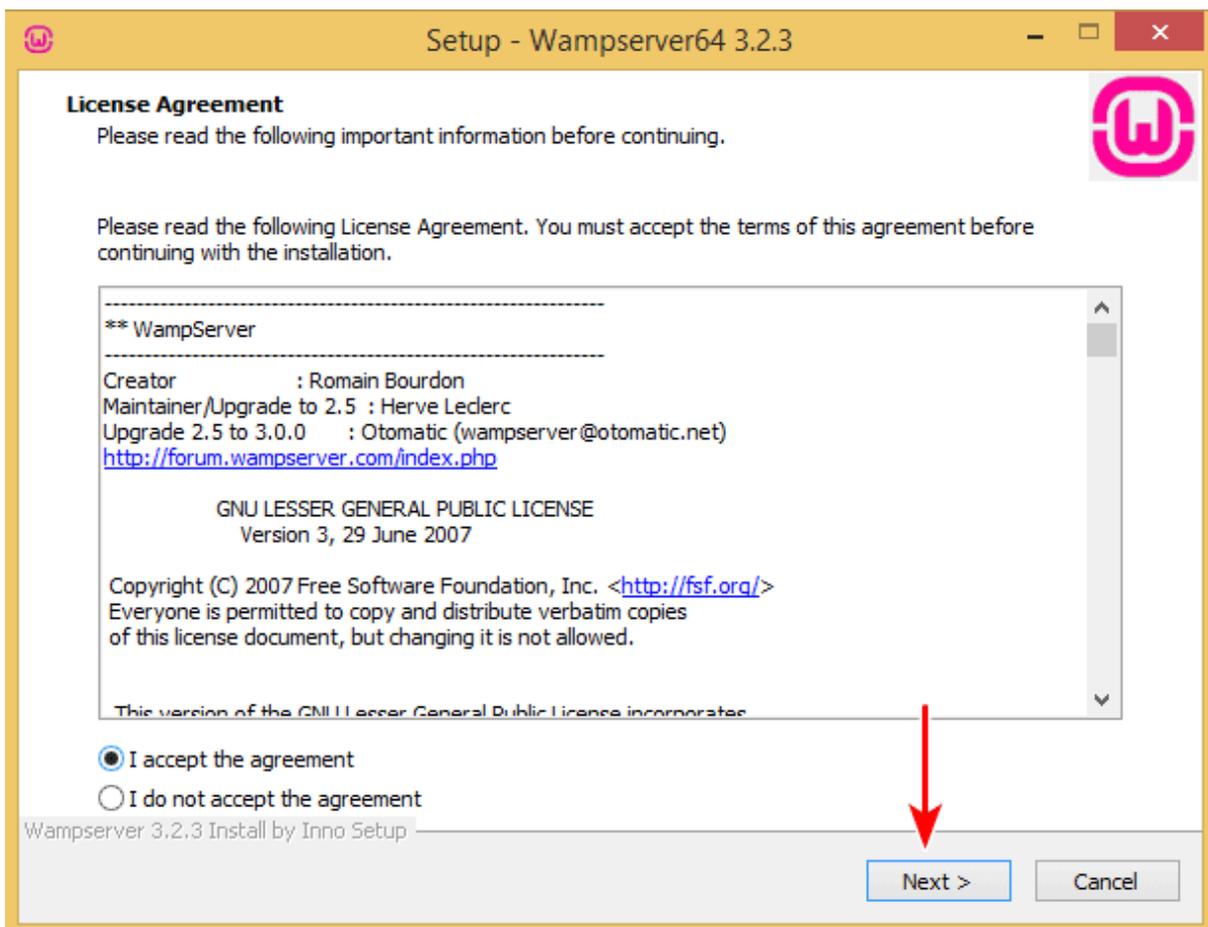
| Name | Modified | Size | Downloads / Week |
|---|------------|------|------------------|
| WampServer 3 | 2018-12-09 | | 49,571 |
| WampServer 2 | 2014-05-01 | | 1,933 |
| WampServer OutDated | 2013-06-23 | | 85 |
| WampServer 2 - Extensions | 2009-12-02 | | 68 |

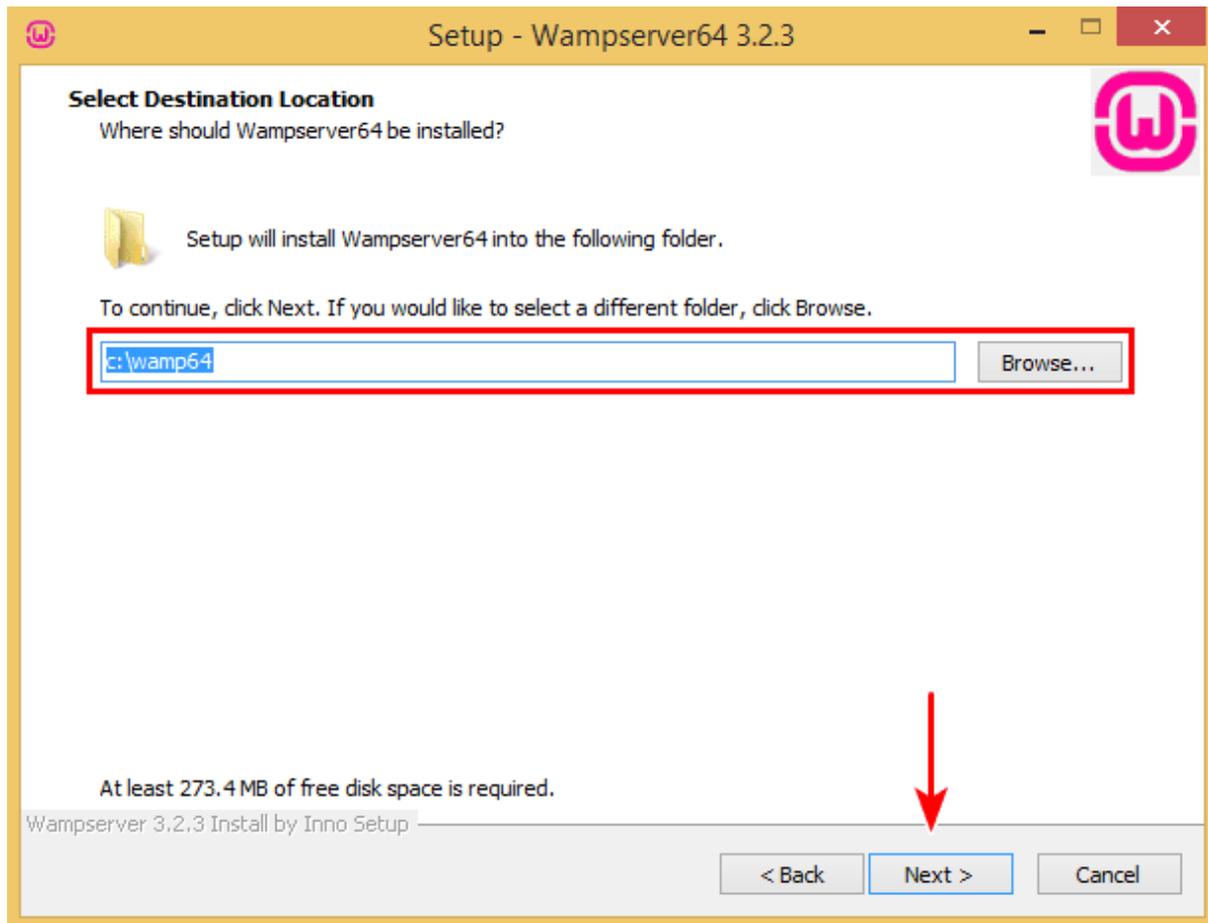
Click on the **'Download Latest Version'** button (the green button).

Once the download has completed, double click on the .EXE file.

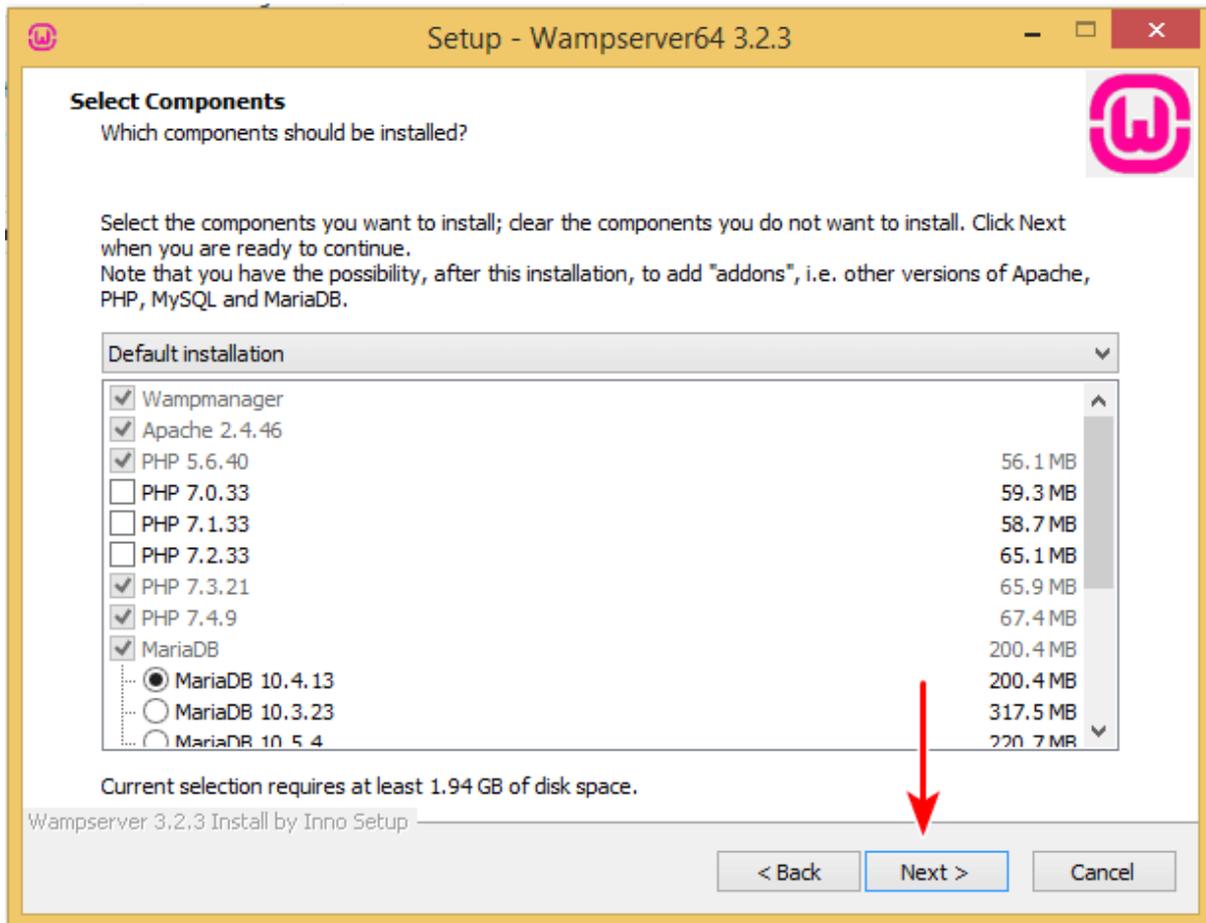


Starting with the language selection, you will be guided through a series of installation steps. These steps are self-explanatory as shown in the series of images below.

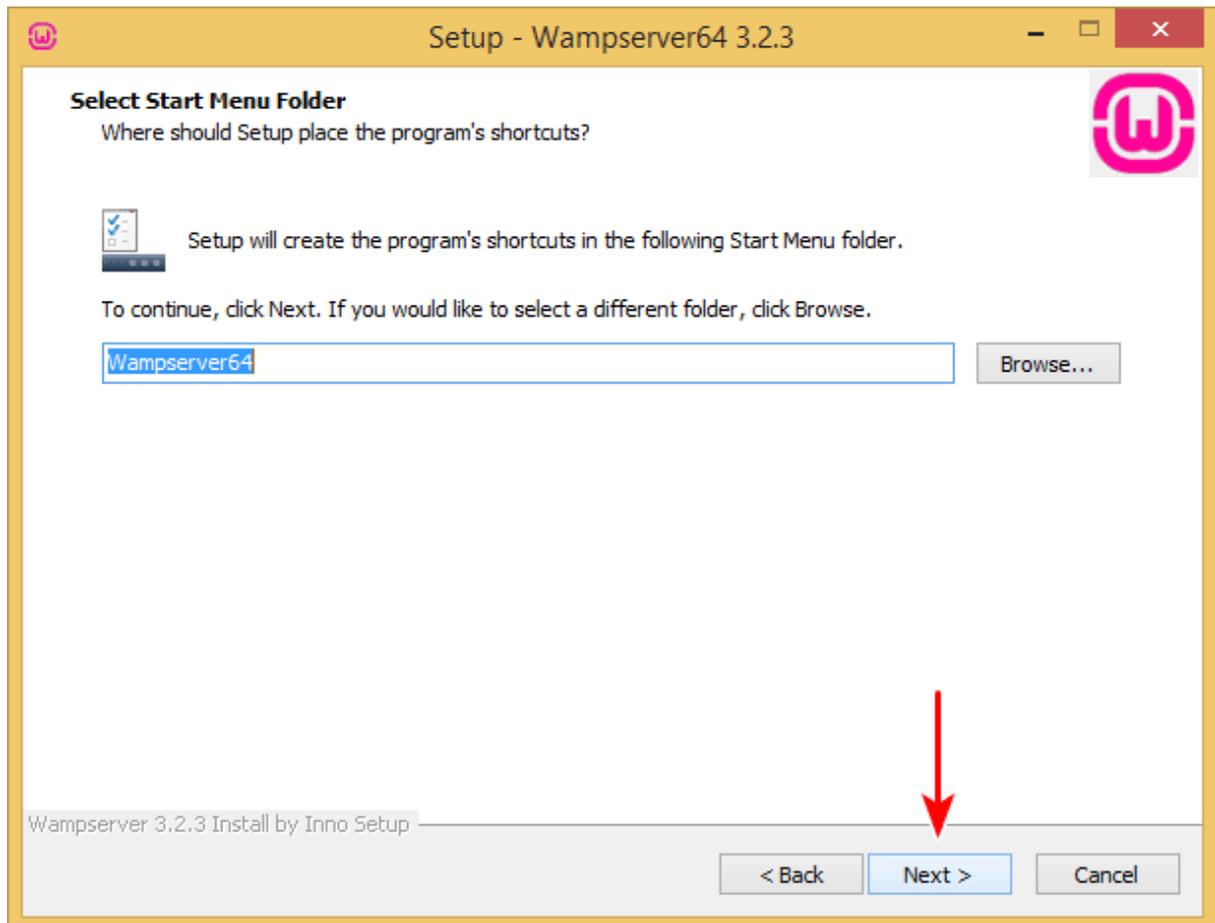


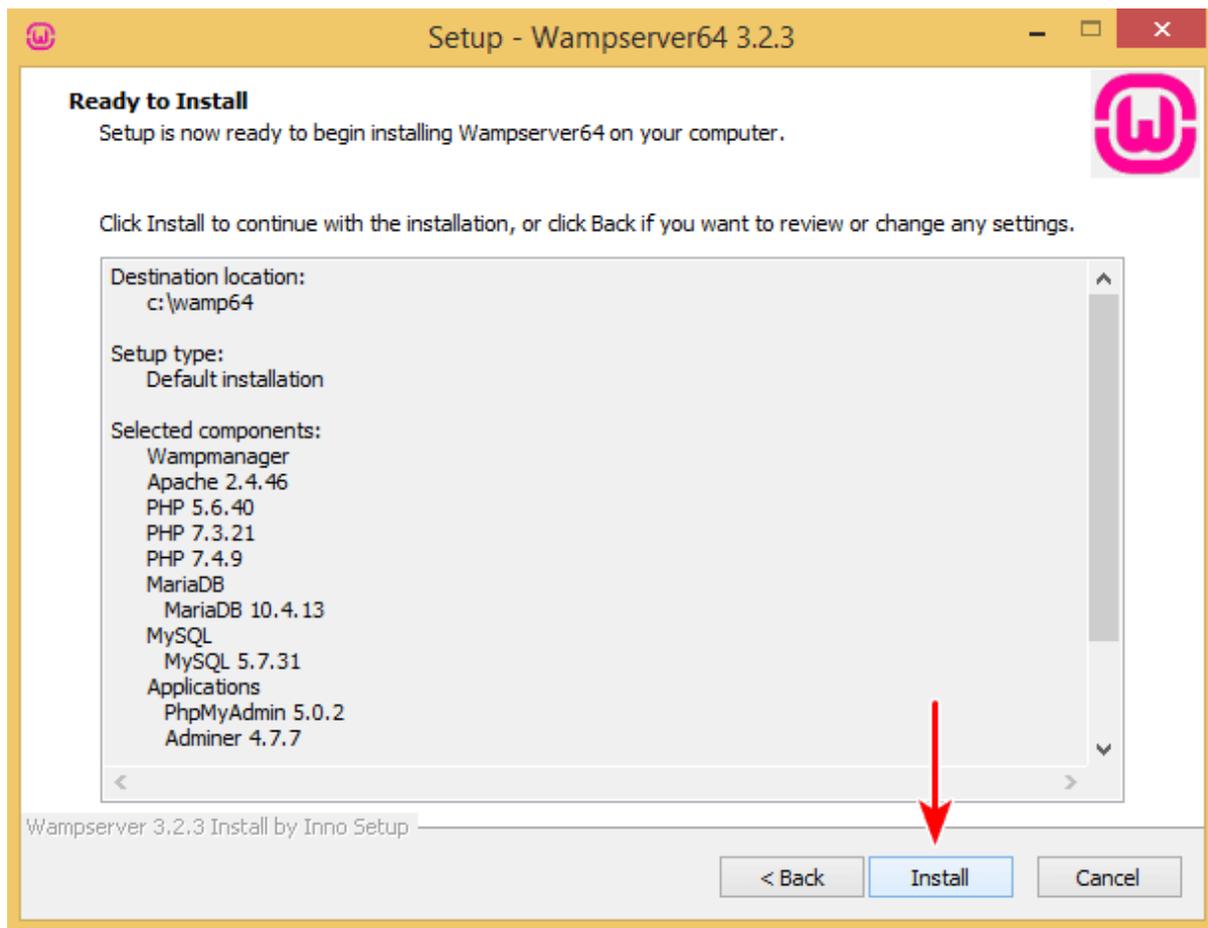


As indicated above, WAMP will be installed in the default drive and folder, which is 'C:\WAMP64'. If you have downloaded the 32 Bit software, your folder will be 'C:\WAMP32'.



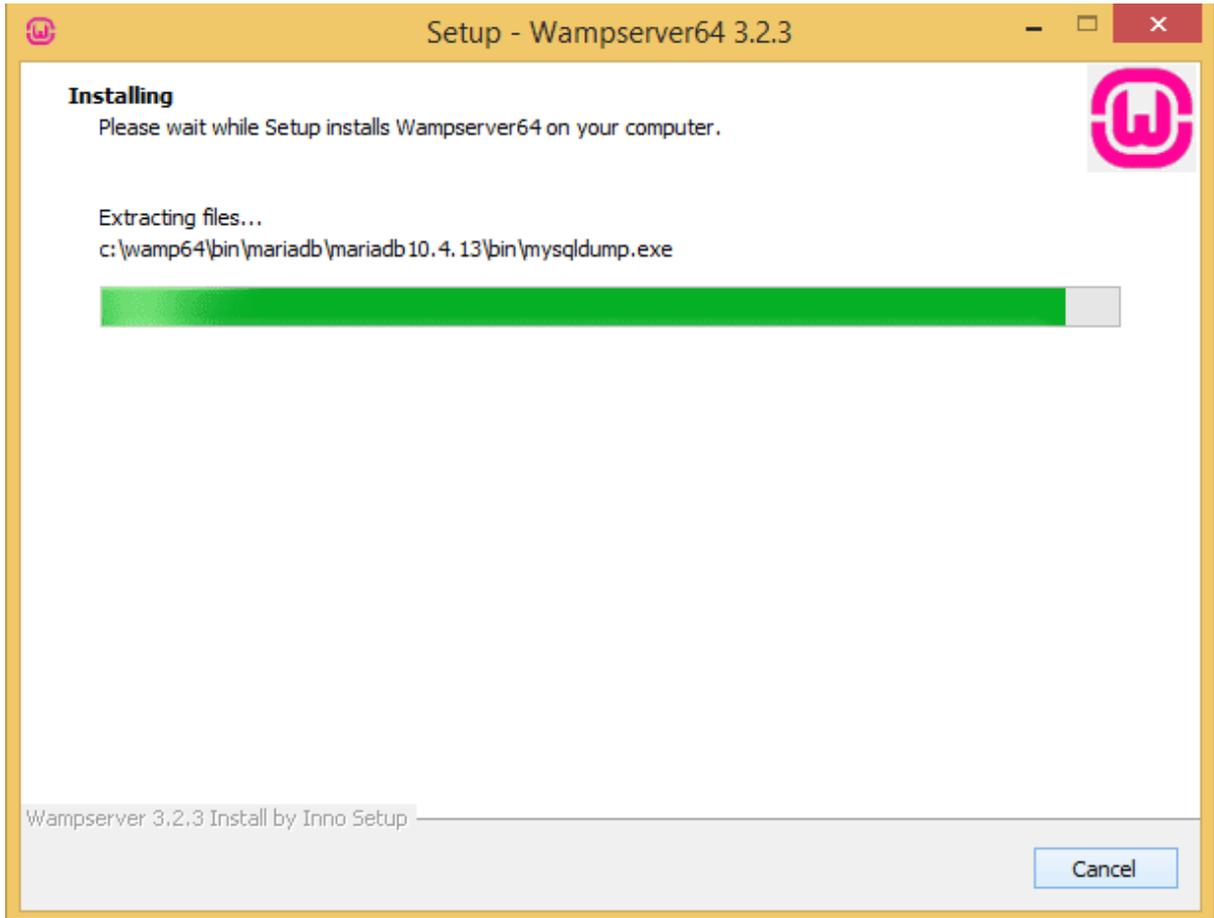
Retain the default values in the window shown above.

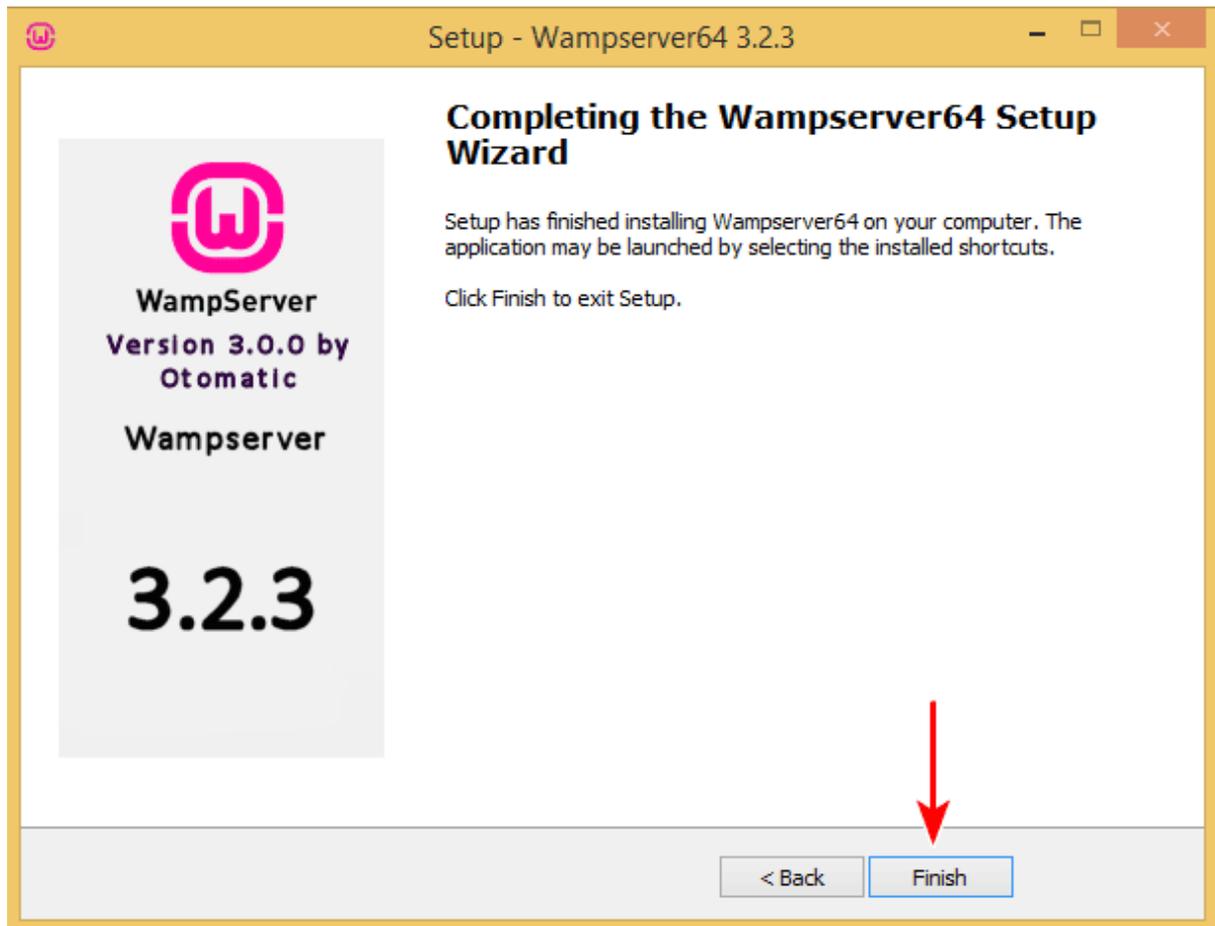




If you would like to make any changes to your settings, i.e., change the destination folder, or select or remove components, you could do so at this stage by clicking on 'Back'.

If all looks good, click on '**Install**'.

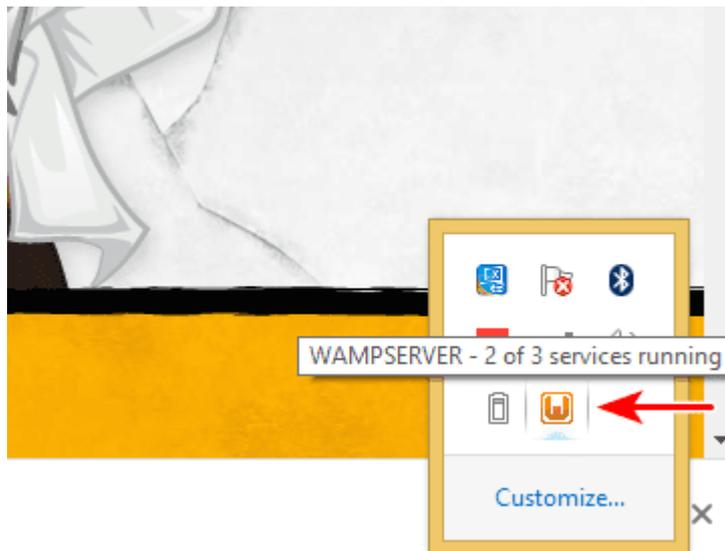




Upon successful installation, you will find the above window. Click on '**Finish**'.

How do you know if WAMP has been successfully installed?

Well, you will notice the WAMP icon in the systems tray, in the bottom right-hand corner of your desktop.



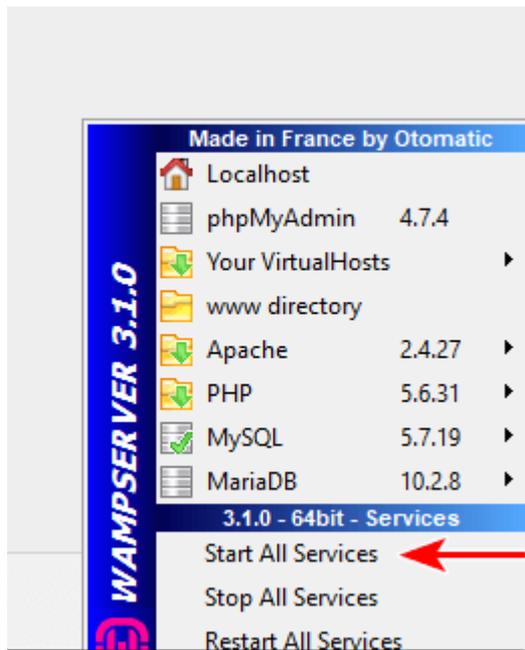
If the WAMPSERVER's icon colour is green, it means your local web server is working fine.

If the colour is red, it means the server isn't running and is offline. You would need to start the WAMPSERVER.

Likewise, if the colour is orange, as shown in the image above, it means the server is partially running, i.e. one of your services may not be running.

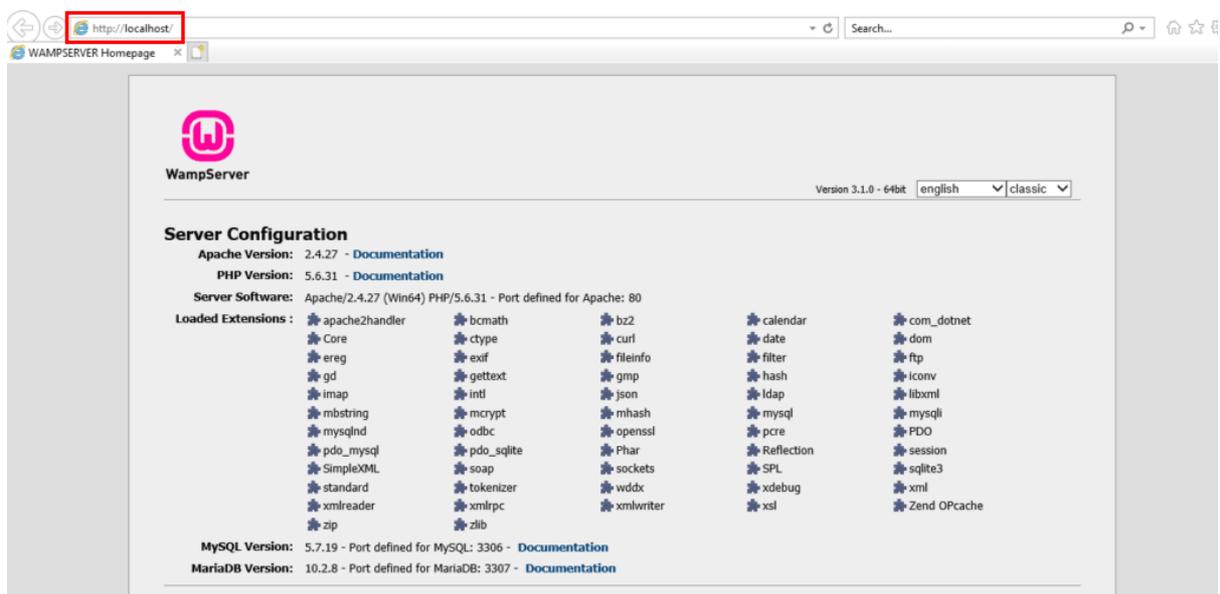
And if you faced any issues while installing WAMP, I've listed some of the common installation issues and its solutions towards the end of this article, under troubleshooting.

So, how do you start and stop the services? Click on the WAMPSERVER icon.



Check the various services, such as Apache, PHP, MySQL, to see if they are running. You can choose to ‘Start All Services’, ‘Stop All Services’, or even ‘Restart All Services’.

Once the icon turns green, enter ‘<http://localhost>’ in your browser.



If you find yourself on this page, great! You have successfully installed WAMP on your Windows computer.

Now that we have installed WAMP on our local Windows computer, the next step is to install WordPress.

Step 2: Download and Install WordPress Onto Your Windows Computer

Download the latest version of WordPress (currently 5.5.3) from WordPress.org.



Priceless, and also free

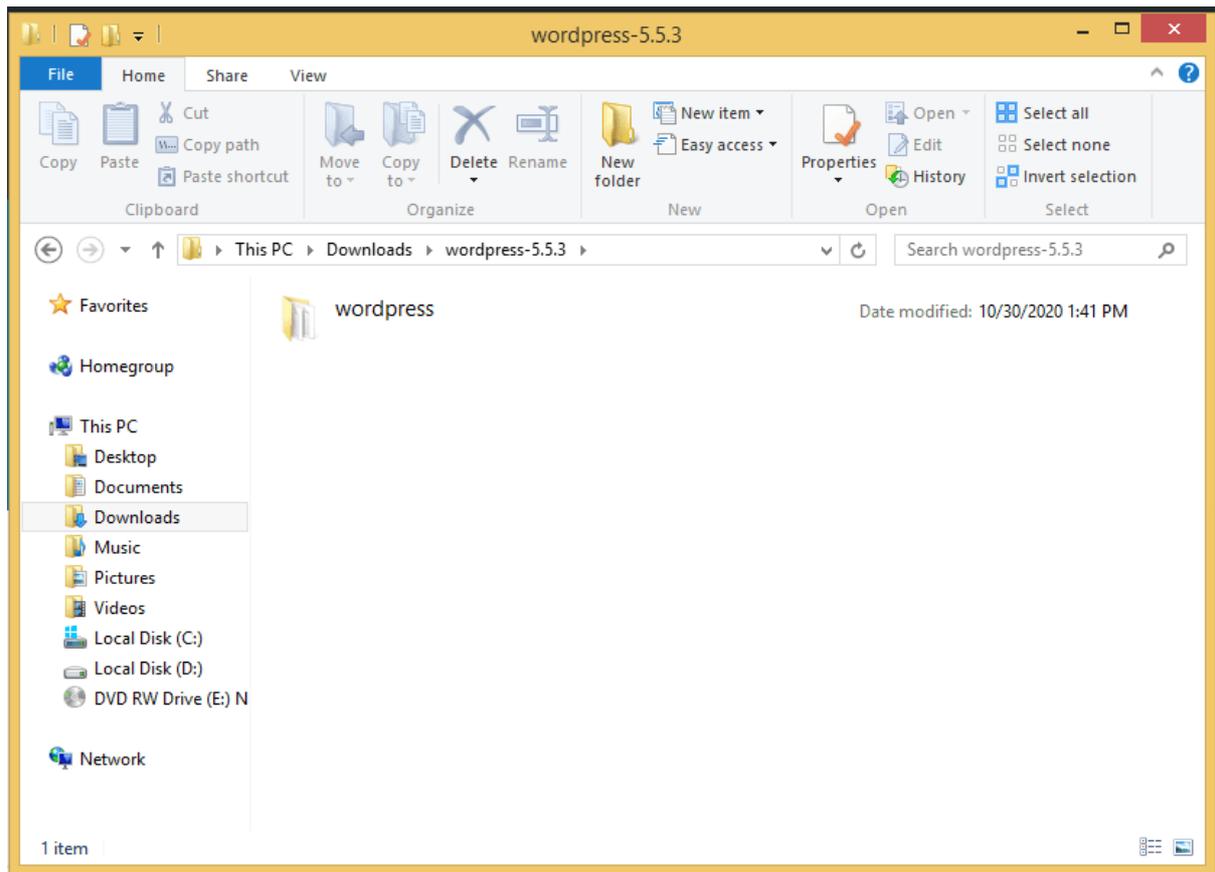
Download WordPress and use it on your site.



 Download WordPress 5.5.3

[Download .tar.gz](#)

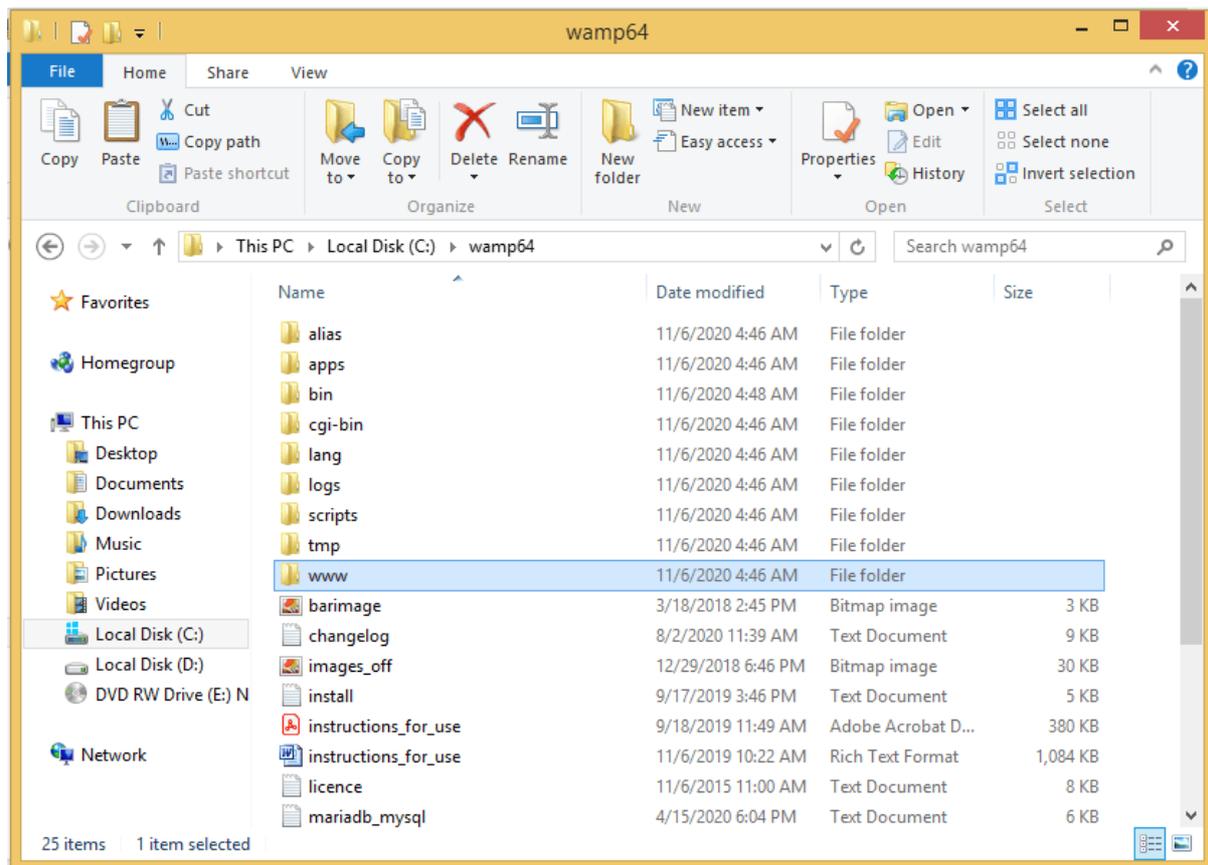
A 'wordpress-5.5.3.zip' file will be downloaded. Extract the contents of the file.



As shown in the image above, the contents of the file have been extracted to a folder 'wordpress-5.5.3'. If you have downloaded a different version of WordPress, the folder will be named accordingly.

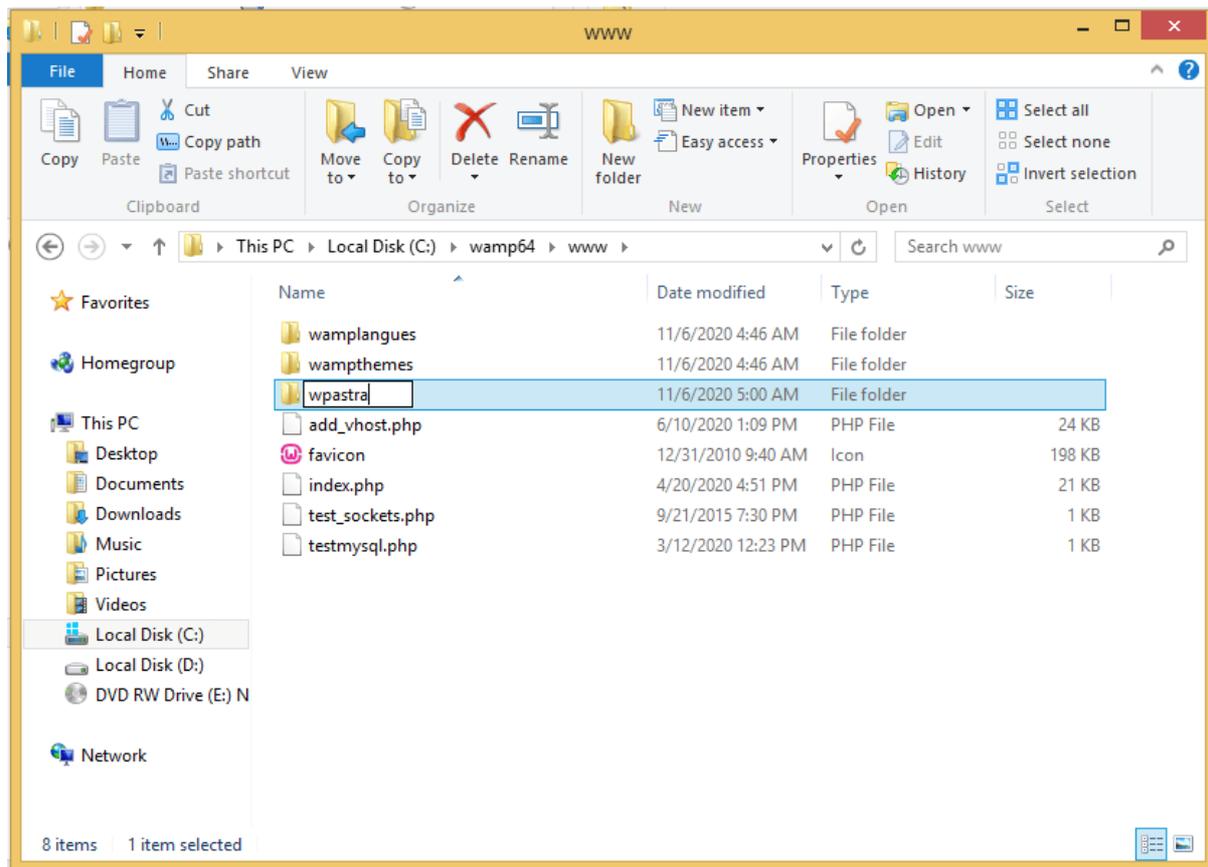
Now, copy the 'wordpress' folder. This folder contains all the files required to create a WordPress website.

Head over to the WAMP folder.



Under WAMP, you will notice the 'www' folder.

Go ahead and paste the 'wordpress' folder inside 'www'.



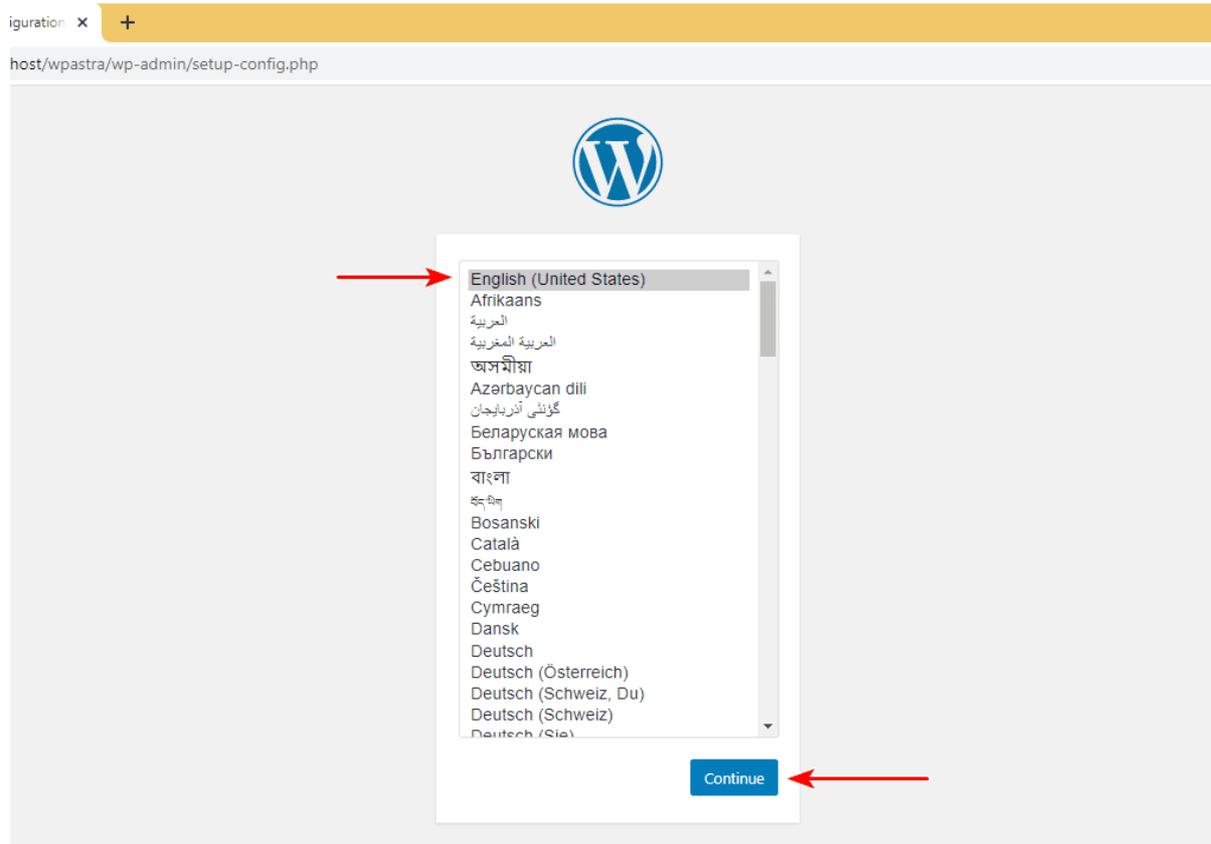
Once you have transferred the folder into 'www', you can rename the folder to that of your choice. Typically, you can name it as the website you are creating.

For example, I've renamed the folder to 'wpastra', as shown in the image above.

Now, to access your WordPress website and to verify if the installation has gone through without any errors, type the URL 'http://localhost/<wordpress-folder>' in the web browser. Where '<wordpress-folder>' is the name of the folder you've entered.

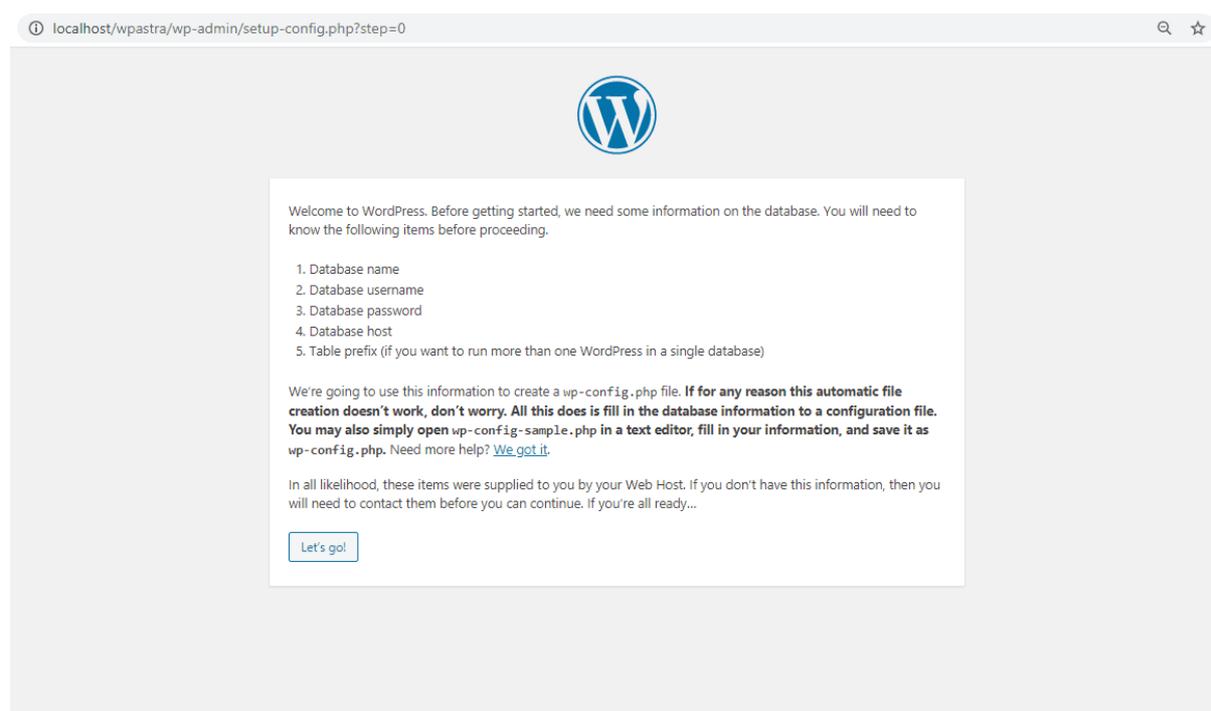
Which in my case will be '**http://localhost/wpastra**'.

Upon successful installation, you should reach the following page.



Select the language of your preference and click on continue.

On the following page, as shown below, you will be asked to enter in details of your database.

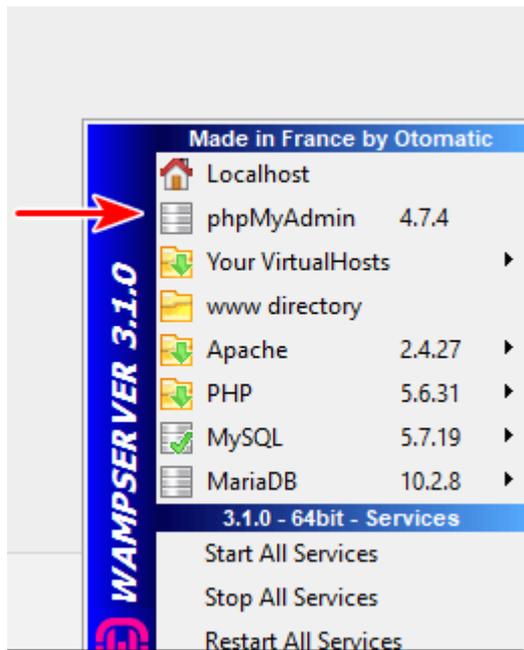


And how exactly do we get the details of the database?

Well, that is where our final step comes into play.

Step 3: Creating the MySQL Database

You will now have to access 'phpMyAdmin'. There are two ways to go about this.



The first option is to click on the WAMP SERVER icon and you will notice 'phpMyAdmin'. Click on that. The other option is to type '<http://localhost/phpmyadmin>' in the web browser.



Welcome to phpMyAdmin

Language

English

Log in

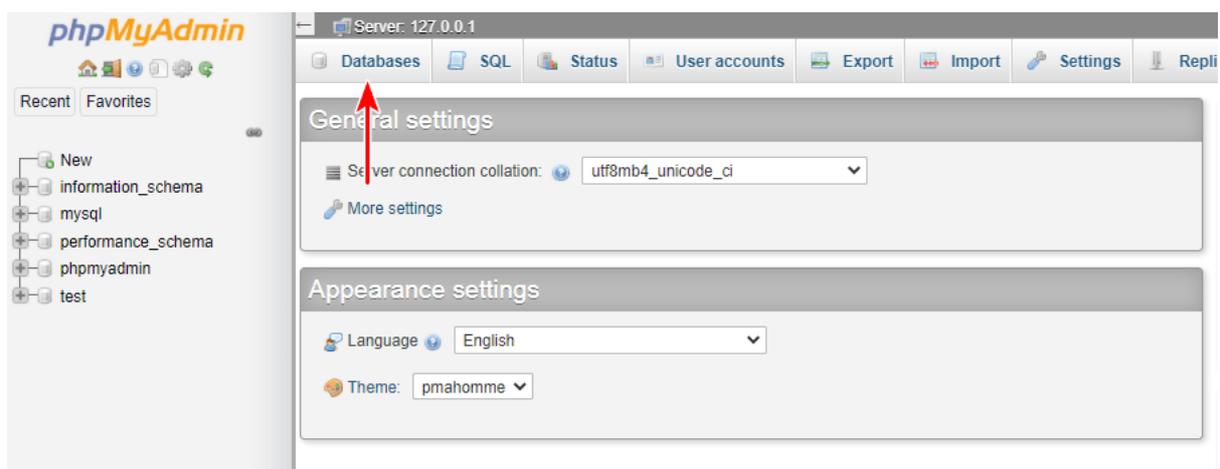
Username:

Password:

Server Choice:

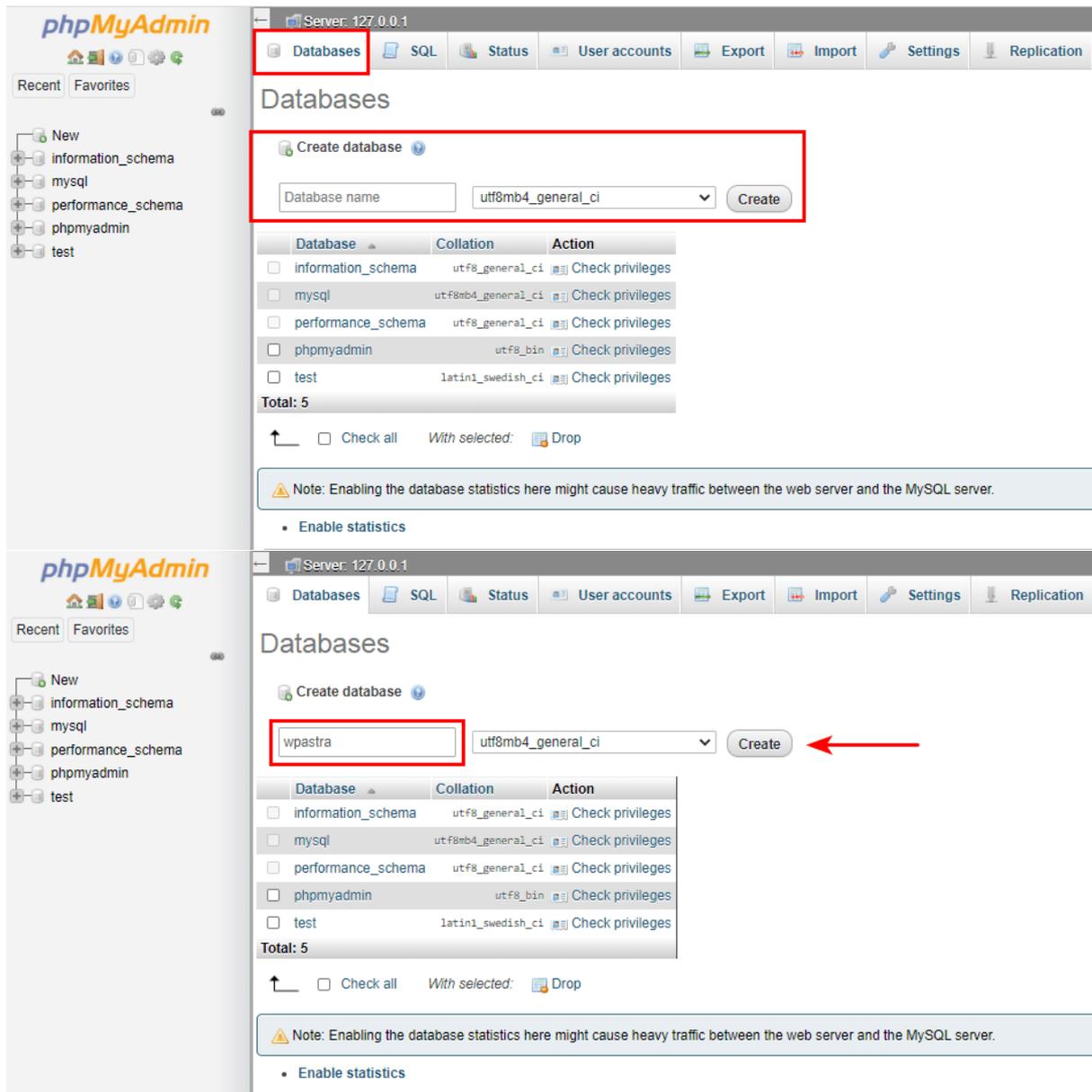
Enter the 'Username' as 'root' and keep the 'Password' blank. Then, click on 'Go'.

You will be directed to the 'phpMyAdmin' dashboard.



On the left-hand side, you will notice several existing database names.

To create a new database, click on the '**Databases**' tab on the top. Enter a '**Database name**' and click on '**Create**'.



For example, I've created a database called 'wpastra'.

Now that the database has been created, head back to the WordPress installation page and click on 'Let's go!'.



Below you should enter your database connection details. If you're not sure about these, contact your host.

| | | |
|---------------|--|--|
| Database Name | <input type="text" value="wpastra"/> | The name of the database you want to use with WordPress. |
| Username | <input type="text" value="root"/> | Your database username. |
| Password | <input type="text"/> | Your database password. |
| Database Host | <input type="text" value="localhost"/> | You should be able to get this info from your web host, if localhost doesn't work. |
| Table Prefix | <input type="text" value="wp_"/> | If you want to run multiple WordPress installations in a single database, change this. |

To begin, enter the name of the database you just created under 'Database Name'.

As for the 'Username', enter the same as 'root'. And the 'Password' field can be left empty. Leave the remaining two fields, i.e., 'Database Host' and 'Table Prefix', as the default values. Which are 'localhost' and 'wp_' respectively.

Once completed, click on '**Submit**'.



All right, sparky! You've made it through this part of the installation. WordPress can now communicate with your database. If you are ready, time now to...

[Run the installation](#)

You should now reach the following page. If you have, well then, your connections to the database are working just fine!

Go ahead and click on '**Run the installation**'.

Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

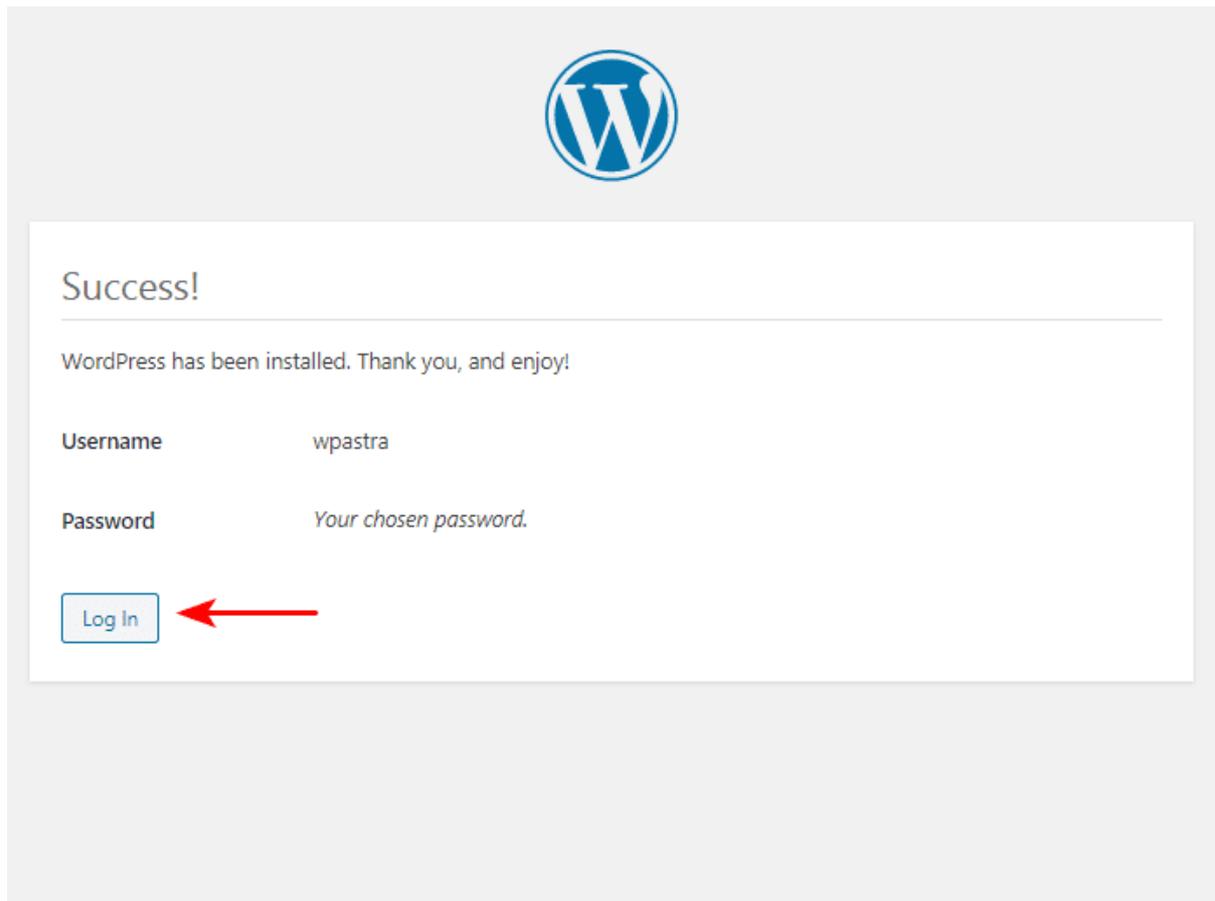
Please provide the following information. Don't worry, you can always change these settings later.

| | |
|--|--|
| Site Title | <input type="text" value="My WP Astra Website"/> |
| Username | <input type="text" value="wpastra"/> <small>Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.</small> |
| Password | <input type="password" value="*QJ8dMvwW%4V7@46A9"/> <input type="button" value="Hide"/> Strong Important: You will need this password to log in. Please store it in a secure location. |
| Your Email | <input type="text" value="mysite@wpastra.com"/> <small>Double-check your email address before continuing.</small> |
| Search engine visibility | <input type="checkbox"/> Discourage search engines from indexing this site <small>It is up to search engines to honor this request.</small> |
| <input type="button" value="Install WordPress"/>  | |

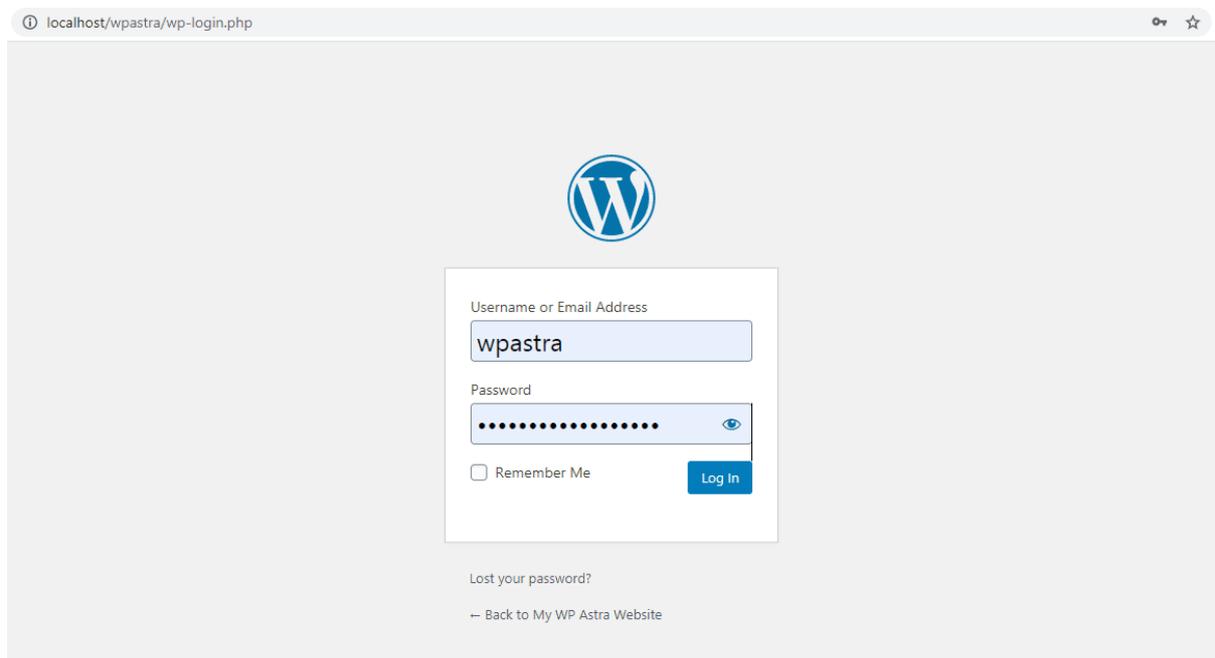
Key in the 'Site Title', the 'Username', the 'Password' and 'Your Email'.

As is shown in the image above, I've keyed in the required fields.

And then, click on '**Install WordPress**'.

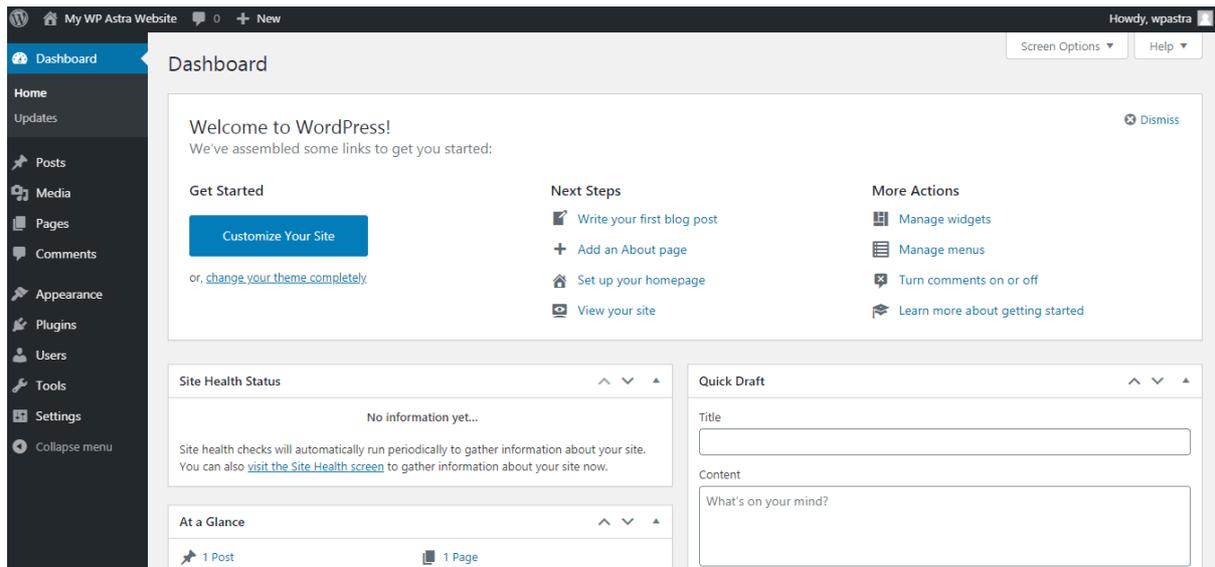


Click on '**Log In**' once the installation has been completed successfully.



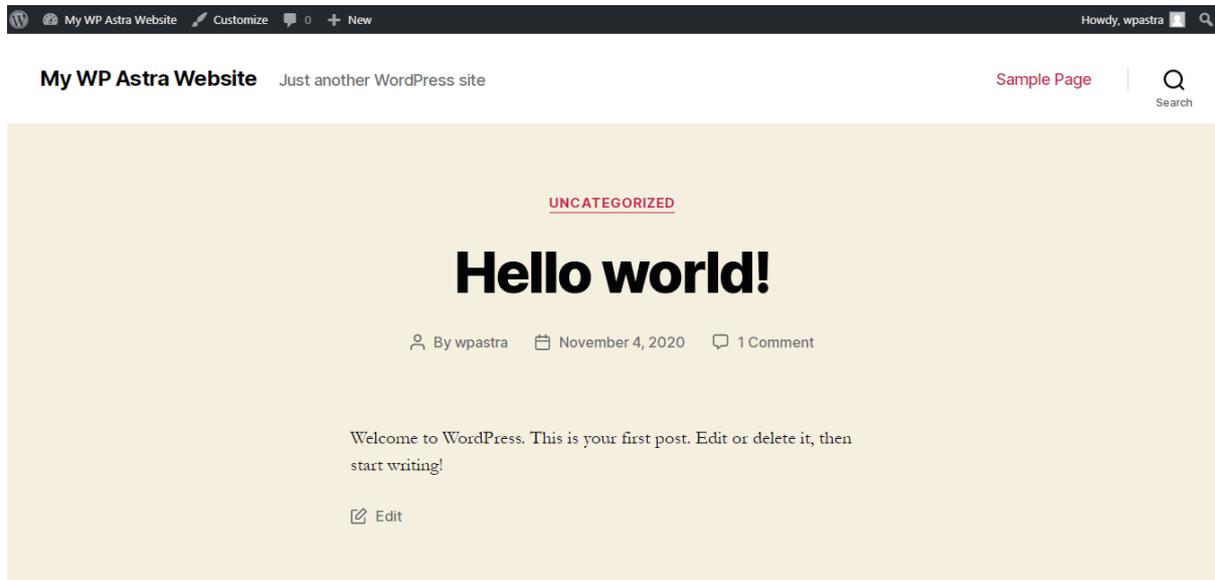
And you will get to see your WordPress login screen.

Enter the username and password you just created.



Great! You are on the WordPress dashboard. You have installed WordPress on your Windows computer using WAMP.

You can access your website by entering in the URL, which for this example is '<http://localhost/wpastra>'.



Go ahead, [install your themes](#), the plugins, test the complete functionalities, and create your WordPress website on your Windows computer. The local installation works the same as a hosted version.

Troubleshooting Common Issues While Installing WAMP and WordPress

If you have faced any issues while installing WAMP and WordPress, you are not alone. I've faced an issue every time I've installed WAMP on my Windows computer.

For example, there were missing '.DLL' files, namely the 'msvcp120.dll' and the 'msvcp110.dll', while creating this article.

If you have faced the same issue, you could try downloading the '.DLL' files using the following links.

1. [Download 'msvcp120.dll'](#)
2. [Download 'msvcp110.dll'](#)

And where do you save the '.DLL' files?

Save the '.DLL' file into your 'C:\Windows\System32\' folder.

WAMP also uses some Microsoft Visual C++ Redistributable Packages to run.

At the end of the WAMP installation, if your software doesn't launch, it might be because you don't have the Microsoft Visual C++ libraries installed on your computer. If so, services such as Apache, PHP, and MySQL won't run.

Use these links to download and install the Microsoft Visual C++ Redistributable Package based on your operating system.

1. [Install the Microsoft Visual C++ 2010 SP1 Redistributable Package x86](#) (For Windows 32 BIT)
2. [Install the Microsoft Visual C++ 2010 SP1 Redistributable Package x64](#) (For Windows 64 BIT)

If WAMP still doesn't work, you may have to try installing the [Microsoft Visual C++ Redistributable for Visual Studio 2012 Update 4](#).

You could also check out the [WAMP forums](#) for more help on installing WAMP and WordPress on your computer.

