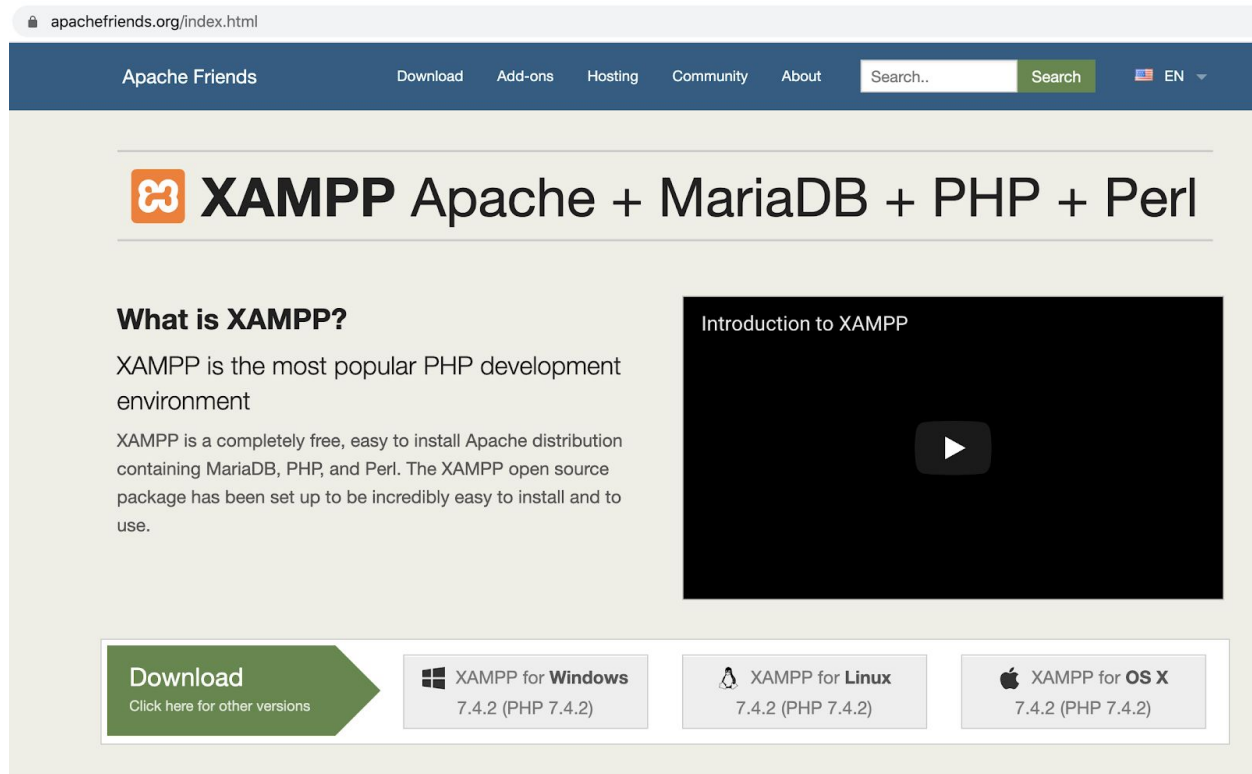


# How to install and run XAMPP

Go to <https://www.apachefriends.org/index.html> and download the installer for your OS: Windows, Mac or Linux.



## 1. INSTALLATION

### Installation instructions for Windows

- Open the installer file and follow the steps to install XAMPP.
- As "Components" we only need Apache, MySQL, PHP and phpmyadmin, you can avoid installing the other components (untick the other boxes during the setup)
- When the installation is finished, you should have "XAMPP Control Panel" in your applications to run.
- If you have problems, you can look at the FAQ page [https://www.apachefriends.org/faq\\_windows.html](https://www.apachefriends.org/faq_windows.html) or write a message in the BlackBoard Discussion forum

### Installation instructions for Mac OS X

- Double-click the DMG image file and drag the XAMPP icon to the Applications folder.
- Launch XAMPP by double-clicking the XAMPP icon in the Applications folder.
- If you have problems, look at the FAQ page [https://www.apachefriends.org/faq\\_stackman.html](https://www.apachefriends.org/faq_stackman.html) and/or the installation instructions at

[https://www.apachefriends.org/blog/new\\_xampp\\_20170628.html](https://www.apachefriends.org/blog/new_xampp_20170628.html) or write a message in the BlackBoard Discussion forum

## Installation instructions for Linux

- Choose your flavor for your linux OS, the 32-bit or 64-bit version.
- Change the permissions to the installer:

```
chmod 755 xampp-linux-*-installer.run
```

- Run the installer:

```
sudo ./xampp-linux-*-installer.run
```

- XAMPP is now installed in the /opt/lampp directory.
- Start the graphical manager with

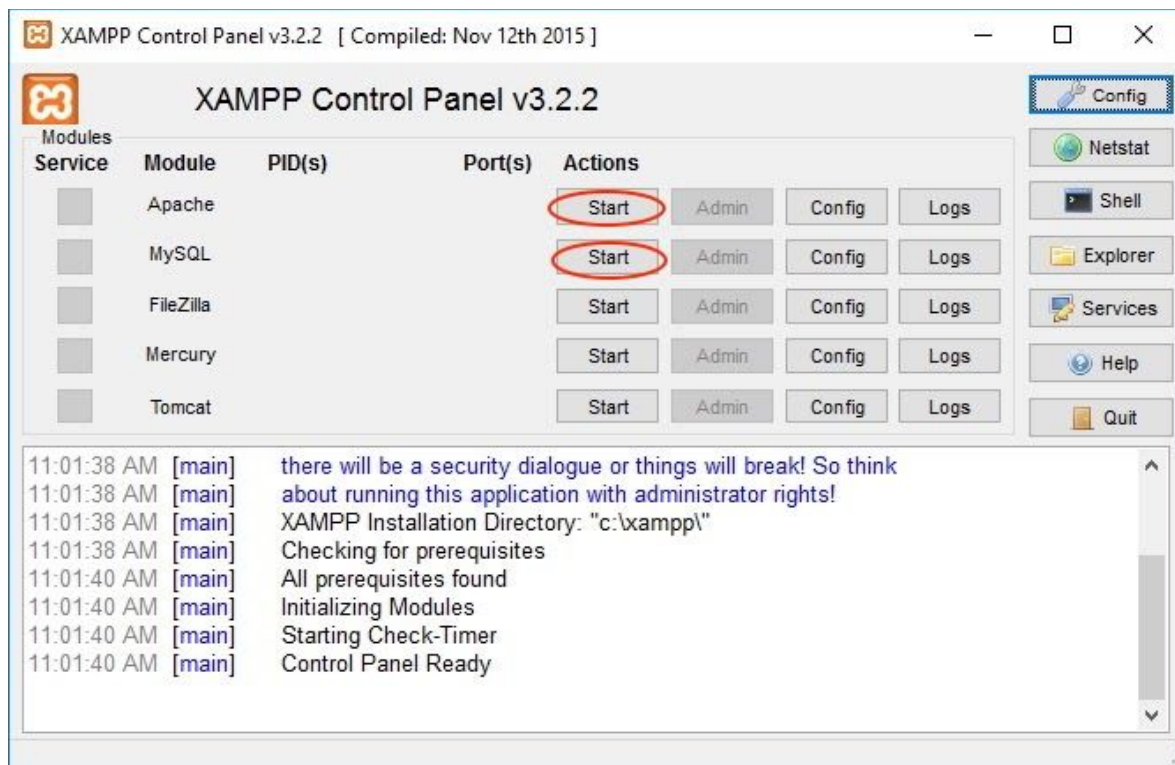
```
cd /opt/lampp
```

```
sudo ./manager-linux.run
```

(or manager-linux-x64.run if you have the 64-bit version)

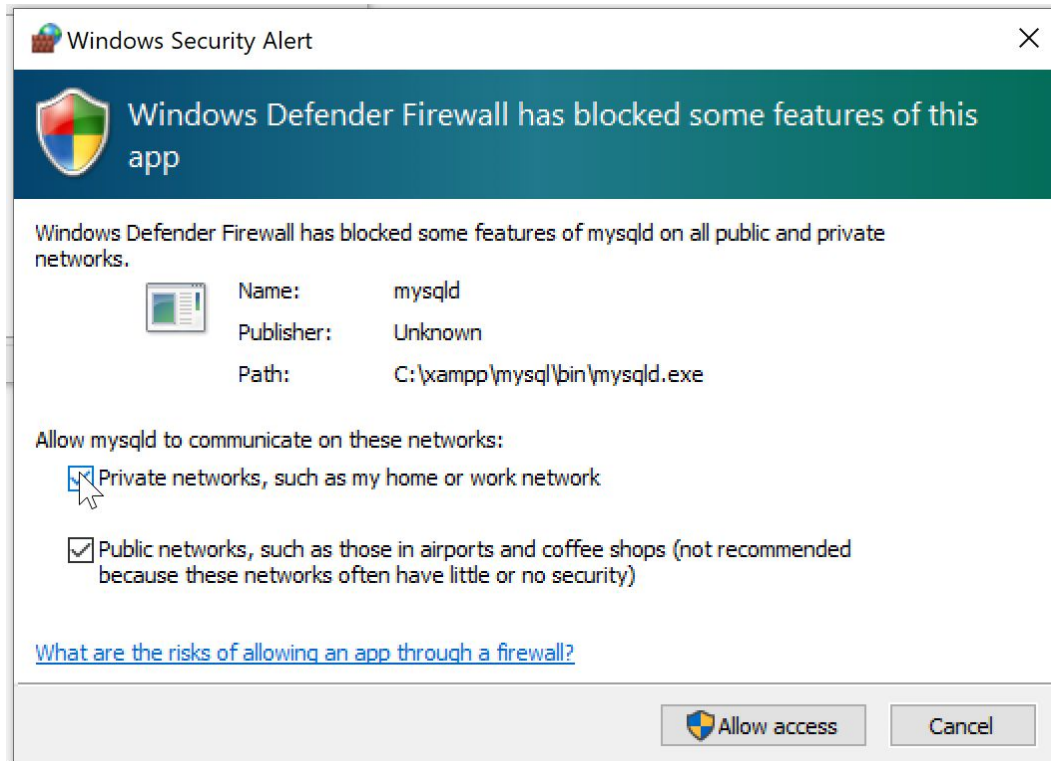
## 2. HOW TO USE XAMPP WINDOWS

When you run the XAMPP manage you should see the following Control Panel:



- Start Apache - click on the "Start" button in the first row
- Start MySQL - click on the "Start" button in the second row

Make sure Windows Firewall is not blocking your web server or database: if you see a message like the following:



You should tick both private and public network and click “Allow access”.

To check if your XAMPP server is working, open your browser and go to <http://localhost/>

You should see this page:



## Welcome to XAMPP for 7.3.4-0

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the [FAQs](#) section or check the [HOW-TO Guides](#) for getting started with PHP applications.

XAMPP is meant only for development purposes. It has certain configuration settings that make it easy to develop locally but that are insecure if you want to have your installation accessible to others. If you want have your XAMPP accessible from the internet, make sure you understand the implications and you checked the [FAQs](#) to learn how to protect your site. Alternatively you can use [WAMP](#), [MAMP](#) or [LAMP](#) which are similar packages which are more suitable for production.

Start the XAMPP Control Panel to check the server status.

### Community

XAMPP has been around for more than 10 years – there is a huge community behind it. You can get involved by joining our [Forums](#), adding yourself to the [Mailing List](#), and liking us on [Facebook](#), following our exploits on [Twitter](#), or adding us to your [Google+](#) circles.

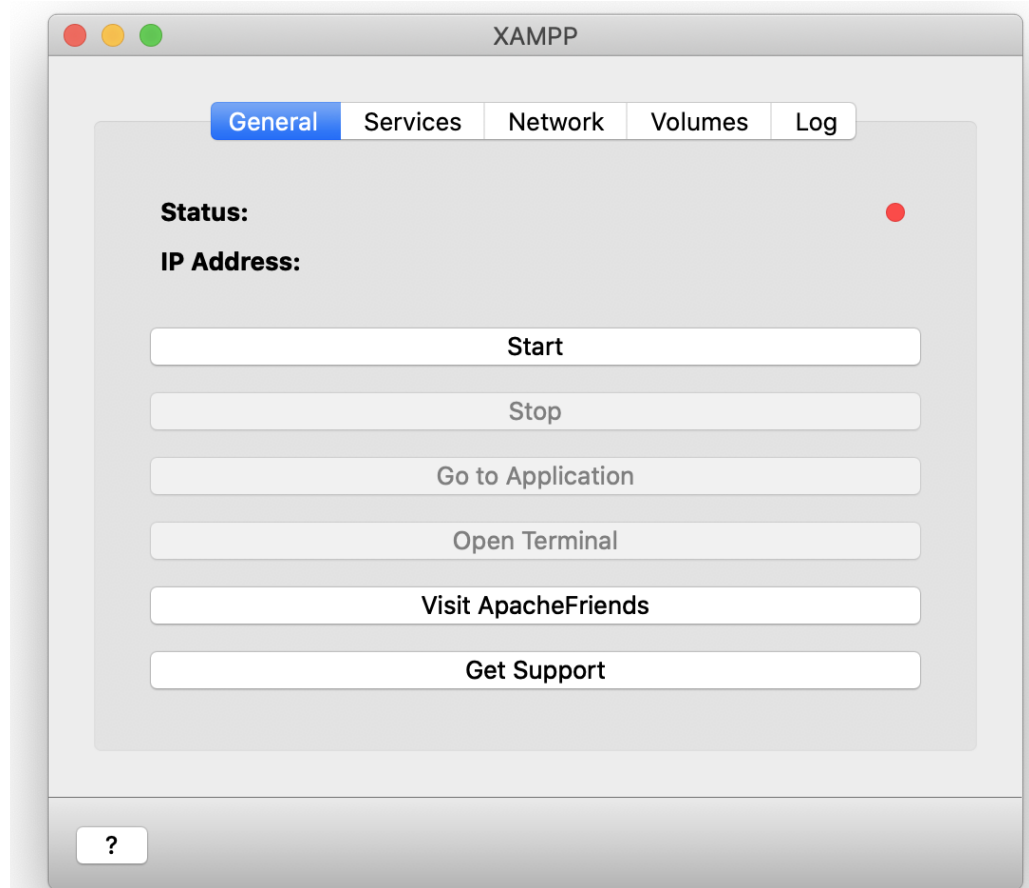
Contribute to XAMPP translation at [translate.apachefriends.org](http://translate.apachefriends.org).

Can you help translate XAMPP for other community members? We need your help to translate XAMPP into different languages. We have set up a site, [translate.apachefriends.org](http://translate.apachefriends.org), where users can contribute translations.

Congratulations! XAMPP is now installed and running on your computer.

## MAC OS X

This is XAMPP graphical manager (MAC version):



The “General” tab controls the whole application (which is like a virtual server). Use Start to make it run and Stop when you want to stop it - notice you will not permanently lose any file when you Stop but you will not be able to access them until you Start again.

To use XAMPP:

- Click Start and **wait** for the light on “status” to change from red to green. If the light is yellow you need to wait.
  - Advice: When the light is green you should also see an IP address appear. That is the IP address of your virtual server now, everything served by XAMPP will be accessible through that (see sections 3 and 4).
- Click “Go to Application”. Your browser should open a page like this:



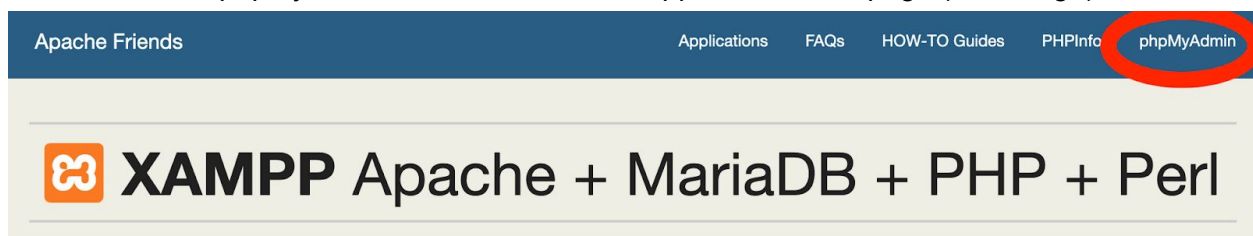
Congratulations! XAMPP is now installed and running on your computer.

For ease of access and to avoid restrictions on PhpMyAdmin, we still need to do one more step:

- In the XAMPP manager, go to the “Network” tab.
- Select the “localhost:8080 -> 80 (Over SSH)” rule
- Click “Enable”
- Now open your browser, and go to <http://localhost:8080/>
- If you see the XAMPP welcome page as before, congratulations, now XAMPP is set up correctly!

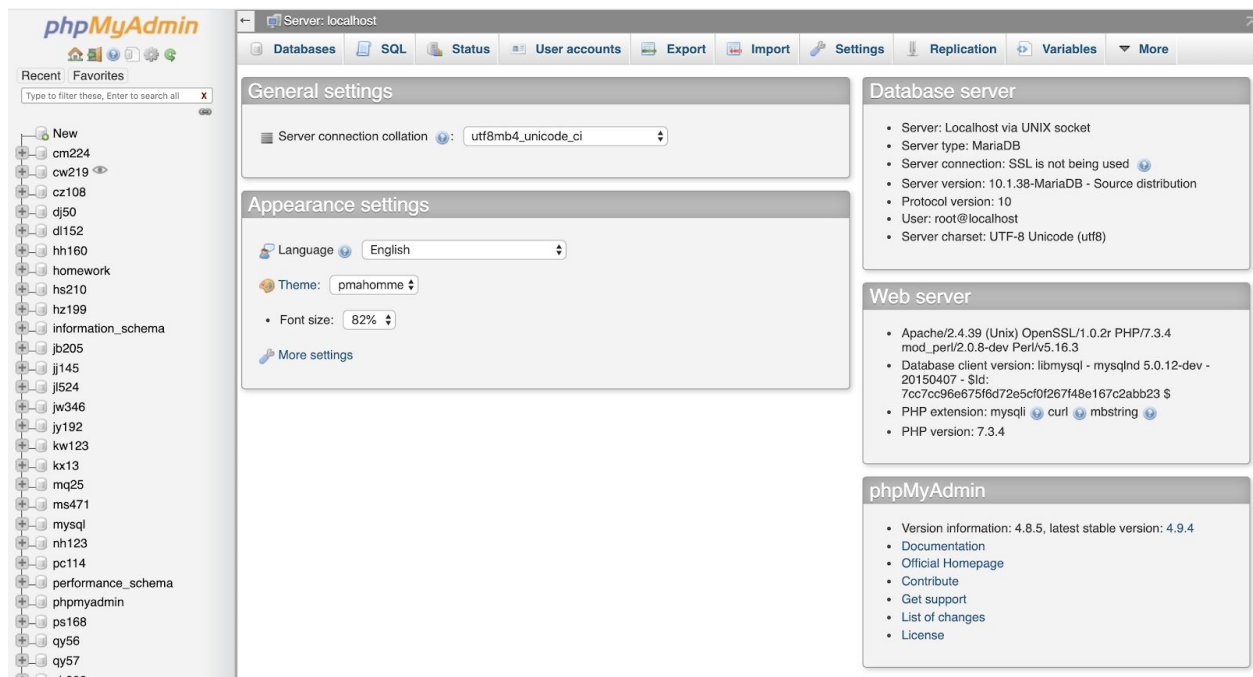
### 3. HOW TO ACCESS PHPMYADMIN (Database)

You can access phpMyAdmin from the link in the application homepage (see image)



or directly by opening in your browser the URL <http://localhost/phpmyadmin> (on Windows) <http://localhost:8080/phpmyadmin> (on Mac).

You should see the phpMyAdmin page, like this:



Congratulations! You can now use phpMyAdmin to create your own MySQL database and use it in your web application.

If you see a HTTP404 (not found) message or CONNECTION REFUSED on a Mac, make sure you have enabled the port forwarding “localhost:8080 -> 80 (Over SSH)” as explained in the previous step.

## 4. HOW TO MANAGE YOUR WEB CONTENT FILES

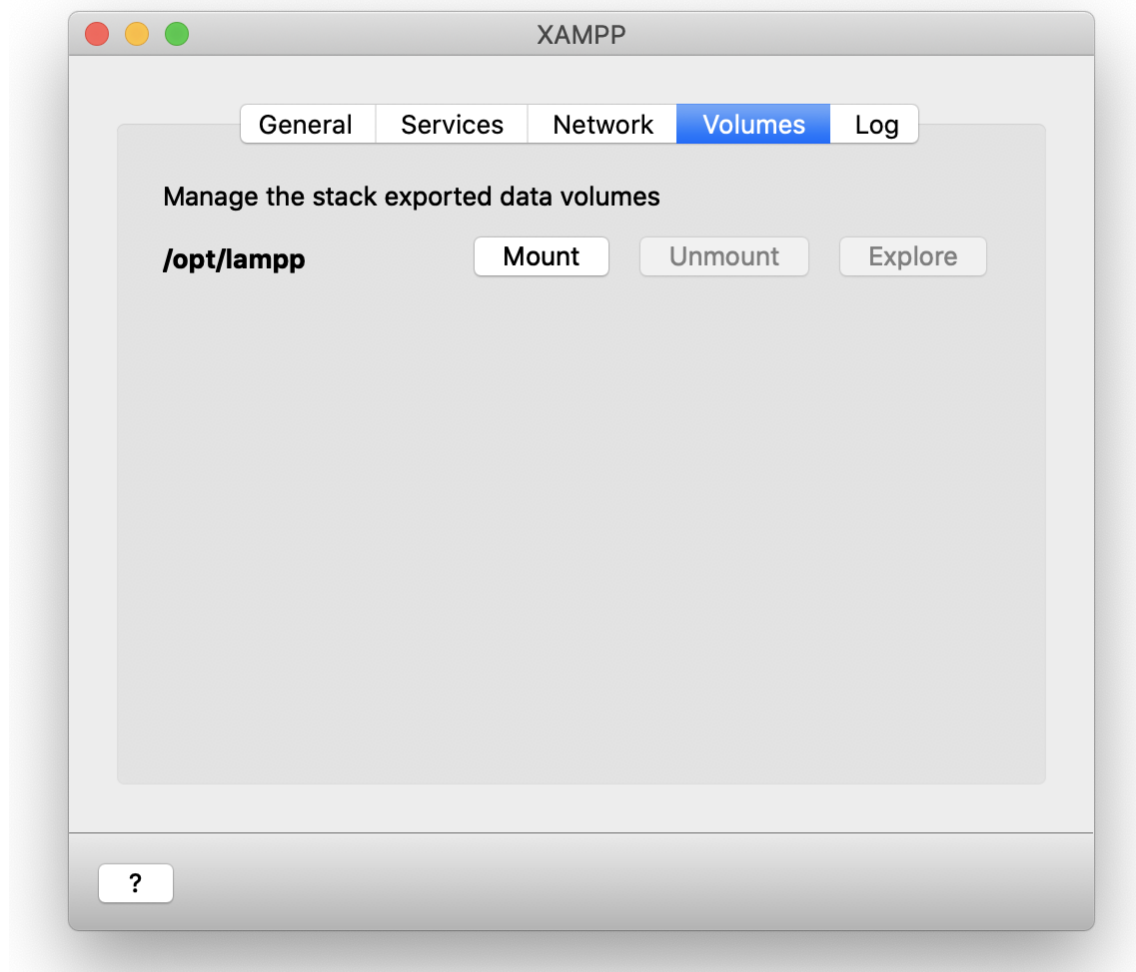
### WINDOWS

The folder that XAMPP uses to serve the web content files is the “htdocs” inside the folder of your XAMPP installation. If you installed it in the default position it will be C:/xampp/htdocs/.

### MAC OS X

To access the folders in the XAMPP server:

- In the XAMPP manager, go to the “Volumes” tab



- Click “Mount” on the /opt/lampp volume and then click “Explore”
- You should see the content of the XAMPP virtual server. Find and open the “htdocs” folder.

## HOW TO USE THE HTDOCS FOLDER

Apache is configured to serve any file inside this “htdocs” folder. To test it:

- Create a hello.php file with your favourite editor.
- Inside the file write this PHP code

```
<?php
    echo "Hello World";
?>
```
- Move the file inside the “htdocs” folder of XAMPP
- Go to <http://localhost/hello.php> (Windows) or <http://localhost:8080/hello.php> (MAC)

If you see the “Hello World” message in your browser, congratulations, everything has been set up correctly!

As you can see, you can place your web content files (PHP, HTML, CSS, JS and other resources) in the “htdocs” folder and they will be served by XAMPP, you will be able to access them from your browser at the URLs <http://localhost/...> (Windows) or <http://localhost:8080/...> (Mac).