

# Symfony Development Environment

This can be applied to Symfony 5 (and possibly Symfony 6)

## Install local web server

XAMPP is obviously the best choice because it provides Apache, PHP, MySQL and phpMyAdmin in one package. For Symfony 5.4 and annotation-based development, it's best to download the XAMPP version which has PHP 7.4 (7.4.30 to be specific at the time I write this guide).

By default, the **htdocs** folder is the document root of the localhost website (<http://localhost/>). Just remember this fact for later on.

## Install Composer

Just follow instructions on this page:

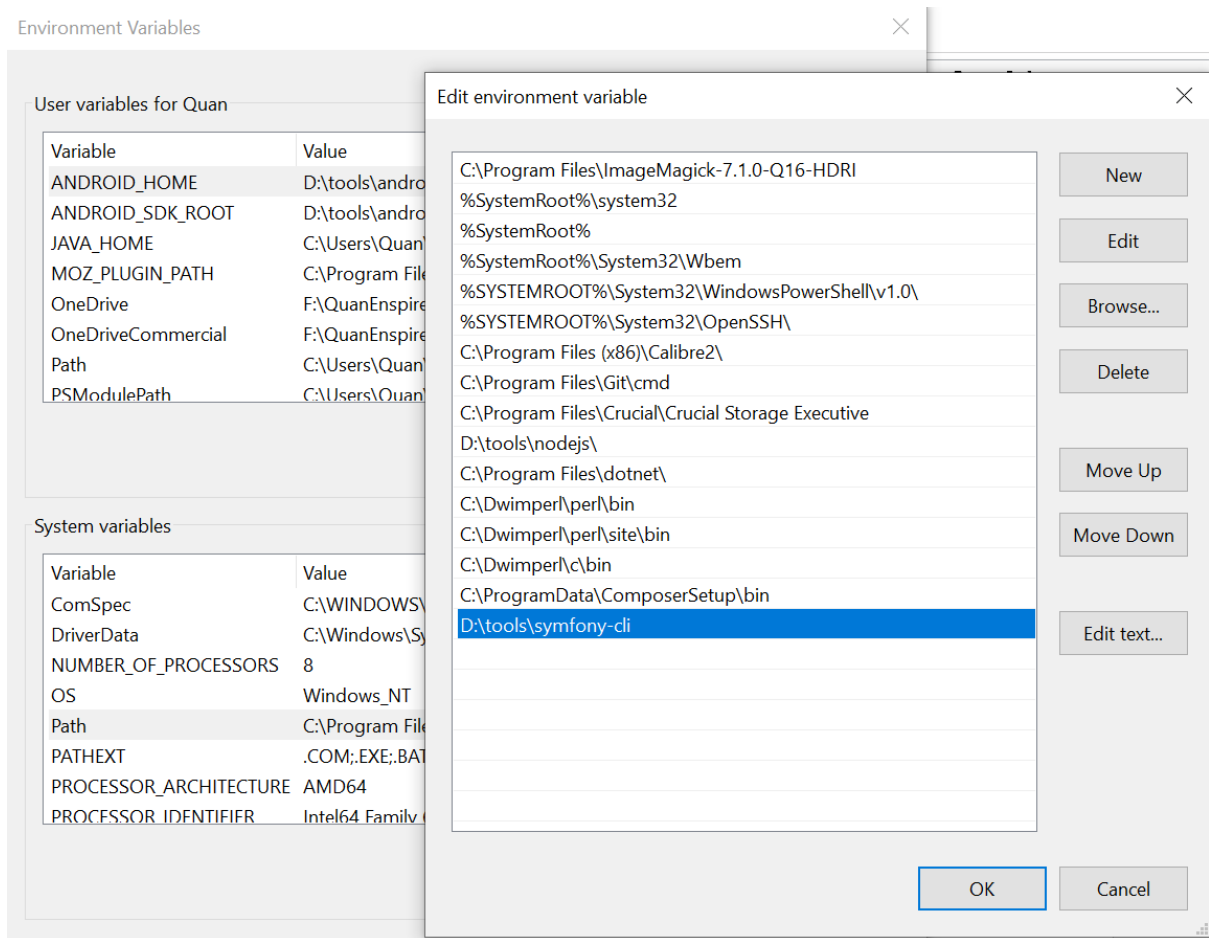
<https://getcomposer.org/download/>

For Windows, the easiest way is to use the Windows Installer (Composer-Setup.exe). After installing, the location of Composer should be added to your **Path** environment variable and you'll be able to run the **composer** command on CMD or PowerShell from anywhere.

## Install Symfony CLI

Go to <https://symfony.com/download> to download Symfony CLI. Just download the 32-bit or 64-bit binary which is suitable to your OS version. You'll get **symfony.exe** file. Put this file at some location of your choice (for example: **D:\tools\symfony-cli**) and add this location to your **Path** environment variable so that you can run the **symfony** command on CMD or PowerShell from anywhere.

This PC > Local Disk (D:) > tools > symfony-cli			
Name	Date modified	Type	
LICENSE	8/16/2022 3:16 PM	File	
README.md	8/16/2022 3:16 PM	MD File	
symfony.exe	8/16/2022 3:19 PM	Application	



## Install Visual Studio Code & Extensions

Most important extensions:

- **PHP Intelephense** for code completion and error highlighting.
- **PHP Namespace Resolver** for... namespace resolving.
- **Twig Language 2** for Twig support (highlighting, auto-completion...)

## Configure XAMPP

Access the **httpd.conf** file (default location is **C:\xampp\apache\conf\httpd.conf**). Or follow these steps to open it:

- Open **XAMPP Control Panel**
- Click the **Config** button for Apache
- Choose **httpd.conf** from the drop-down menu

Look for the part where the **DocumentRoot** is defined and the directory which contains the **DocumentRoot** is configured. Change **DocumentRoot** to the **public** folder inside your Symfony project. Change the configured directory to the root folder of your Symfony project.

```
248 # DocumentRoot: The directory out of which you will serve your
249 # documents. By default, all requests are taken from this directory, but
250 # symbolic links and aliases may be used to point to other locations.
251 #
252 DocumentRoot "C:/xampp/htdocs"
253 <Directory "C:/xampp/htdocs">
254     #
255     # Possible values for the Options directive are "None", "All",
256     # or any combination of:
257     #   Indexes Includes FollowSymLinks SymLinksifOwnerMatch ExecCGI MultiViews

248 # DocumentRoot: The directory out of which you will serve your
249 # documents. By default, all requests are taken from this directory, but
250 # symbolic links and aliases may be used to point to other locations.
251 #
252 DocumentRoot "E:/www/mysite/public"
253 <Directory "E:/www/mysite">
254     #
255     # Possible values for the Options directive are "None", "All",
256     # or any combination of:
257     #   Indexes Includes FollowSymLinks SymLinksifOwnerMatch ExecCGI MultiViews
```

**before**

**after**

Restart Apache Web Server after you modify and save the file. Visit <http://localhost/> on a browser to check if this works.

Now you're ready for your Symfony development experience!