

Laravel Installation Guide

Step 1: Install XAMPP/ Download PHP

1. Your local machine must have PHP installed. If have already have XAMPP installed, you can skip to next step.
2. Or go to the official XAMPP website (<https://www.apachefriends.org/index.html>), download and install it.
3. Or you can download PHP directly from this website. Then copy it to your desired directory (e.g. C:\) and add PHP path to your environment variables.

Step 2: Download Composer

1. Go to the Composer official website: <https://getcomposer.org/download/>
2. Download Composer.

[Home](#) | [Getting Started](#) | [Download](#) | [Documentation](#) | [Browse Packages](#)

Download Composer Latest: v2.7.1

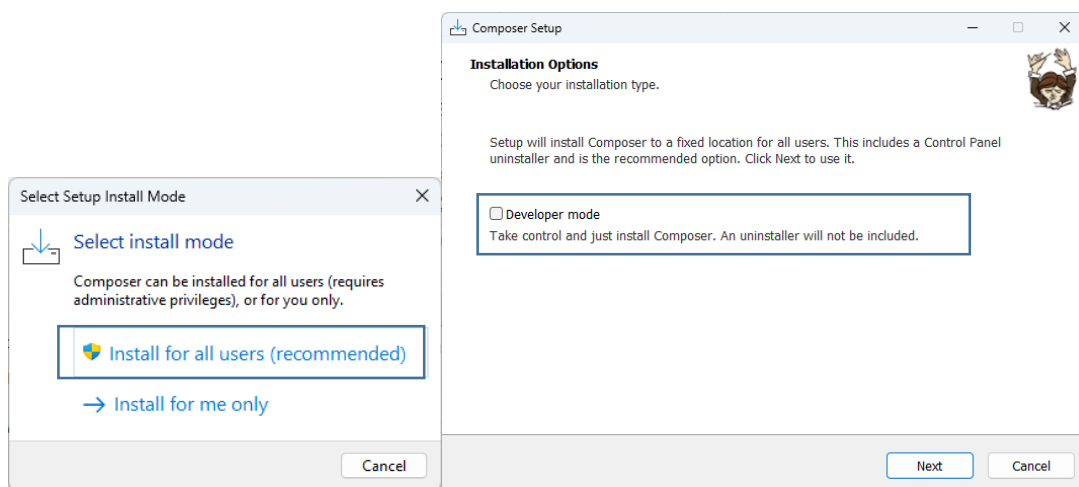
Windows Installer

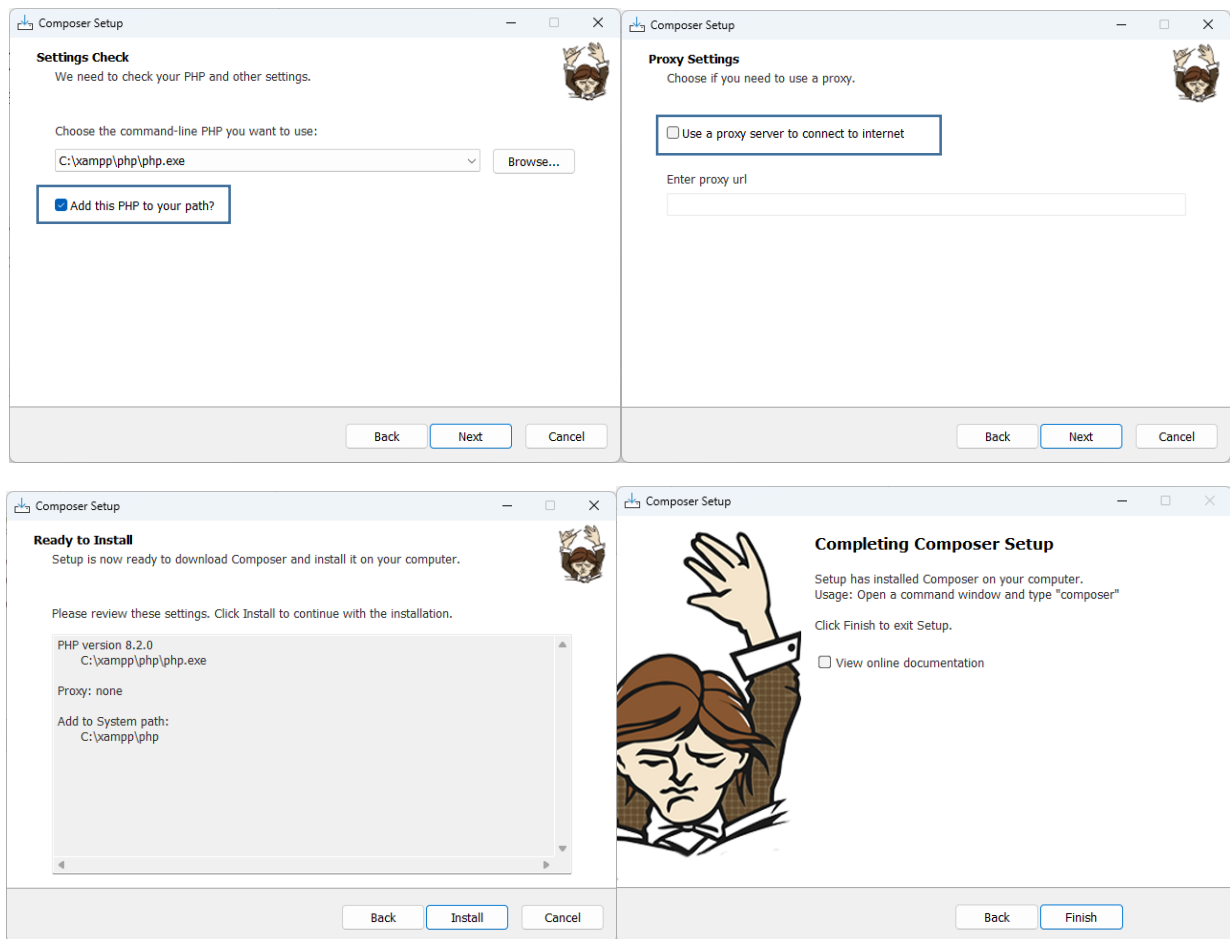
The installer - which requires that you have PHP already installed - will download Composer for you and set up your PATH environment variable so you can simply call `composer` from any directory.

Download and run `Composer-Setup.exe` - it will install the latest composer version whenever it is executed.

Step 3: Install Composer

1. Follow the following steps (For Windows), and install Composer.





Step 4: Checking If Composer is Installed Properly

1. Open your command prompt and write the command, ``composer``. You will see the following response.

```
Microsoft Windows [Version 10.0.22621.3007]
(c) Microsoft Corporation. All rights reserved.

C:\Users\soft lab>composer

      /-----
     //      \--- V --- \--- V --- V --- V --- \--- V --- \---
    //      //  ///   ///  ///  ///  ( _ )  ///  \--- \\
   \--- ^-----//  //  //  .---^-----\\-----^-----\\
                                //
Composer version 2.7.1 2024-02-09 15:26:28

Usage:
  command [options] [arguments]

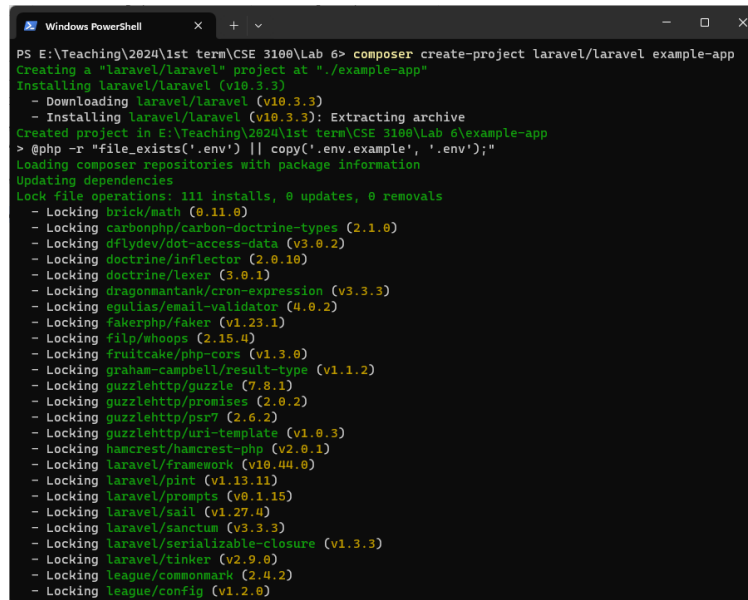
Options:
-h, --help                Display help for the given command. When no c
ommand is given display help for the list command
-q, --quiet               Do not output any message
-V, --version             Display this application version
--ansi|--no-ansi          Force (or disable --no-ansi) ANSI output
-n, --no-interaction      Do not ask any interactive question
--profile                 Display timing and memory usage information
--no-plugins              Whether to disable plugins.
```

Step 5: Creating Your First Laravel Project

1. After you have installed PHP and Composer, you may create a new Laravel project via Composer's create-project command:

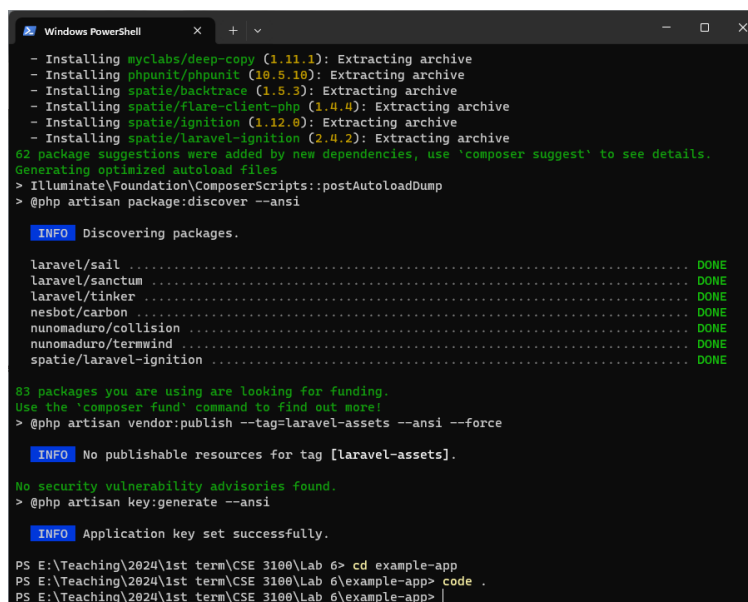
```
`composer create-project laravel/laravel example-app`
```

It might take 1-2 minutes, and a new project folder “example-app” will be created. You might see the following response.



```
PS E:\Teaching\2024\1st term\CSE 3100\Lab 6> composer create-project laravel/laravel example-app
Creating a 'laravel/laravel' project at './example-app'
Installing laravel/laravel (v10.3.3)
- Downloading laravel/laravel (v10.3.3)
- Installing laravel/laravel (v10.3.3): Extracting archive
Created project in E:\Teaching\2024\1st term\CSE 3100\Lab 6\example-app
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 111 installs, 0 updates, 0 removals
- Locking brick/math (0.11.0)
- Locking carbonphp/carbon-doctrine-types (2.1.0)
- Locking dflydev/dot-access-data (v3.0.2)
- Locking doctrine/inflector (2.0.10)
- Locking doctrine/lexer (3.0.1)
- Locking dragonmantank/cron-expression (v3.3.3)
- Locking egulias/email-validator (4.0.2)
- Locking fakerphp/faker (v1.23.1)
- Locking filp/whoops (2.15.4)
- Locking fruitcake/php-cors (v1.3.0)
- Locking graham-campbell/result-type (v1.1.2)
- Locking guzzlehttp/guzzle (7.8.1)
- Locking guzzlehttp/promises (2.0.2)
- Locking guzzlehttp/psr7 (2.6.2)
- Locking guzzlehttp/uri-template (v1.0.3)
- Locking hamcrest/hamcrest-php (v2.0.1)
- Locking laravel/framework (v10.48.0)
- Locking laravel/pint (v1.13.11)
- Locking laravel/prompts (v0.1.15)
- Locking laravel/sail (v1.27.0)
- Locking laravel/sanctum (v3.3.3)
- Locking laravel/serializable-closure (v1.3.3)
- Locking laravel/tinker (v2.9.0)
- Locking league/commonmark (2.4.2)
- Locking league/config (v1.2.0)
```

2. Go to ‘example-app’ directory by using ``cd example-app`` command, or manually using file explorer. And then open the project using your favorite code editor.



```
PS E:\Teaching\2024\1st term\CSE 3100\Lab 6> cd example-app
PS E:\Teaching\2024\1st term\CSE 3100\Lab 6\example-app> code .
PS E:\Teaching\2024\1st term\CSE 3100\Lab 6\example-app> |

- Installing myclabs/deep-copy (1.11.1): Extracting archive
- Installing phpunit/phpunit (10.5.10): Extracting archive
- Installing spatie/backtrace (1.5.3): Extracting archive
- Installing spatie/flare-client-php (1.4.0): Extracting archive
- Installing spatie/ignition (1.12.0): Extracting archive
- Installing spatie/laravel-ignition (2.4.2): Extracting archive
62 package suggestions were added by new dependencies, use 'composer suggest' to see details.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

 INFO  Discovering packages.

laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE

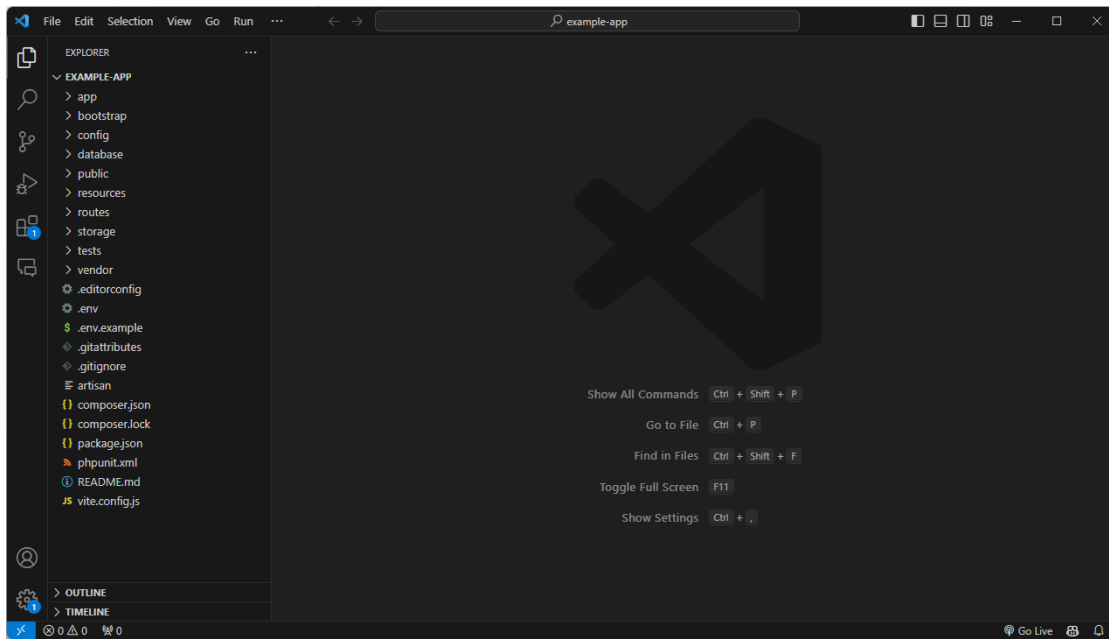
83 packages you are using are looking for funding.
Use the 'composer fund' command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi --force

 INFO  No publishable resources for tag [laravel-assets].

No security vulnerability advisories found.
> @php artisan key:generate --ansi

 INFO  Application key set successfully.

PS E:\Teaching\2024\1st term\CSE 3100\Lab 6> cd example-app
PS E:\Teaching\2024\1st term\CSE 3100\Lab 6\example-app> code .
PS E:\Teaching\2024\1st term\CSE 3100\Lab 6\example-app> |
```



3. To run the project write the command ``php artisan serve``.

```
Windows PowerShell
62 package suggestions were added by new dependencies, use 'composer suggest' to see details.
Generating optimized autoload files
> illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

 INFO  Discovering packages.

laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE

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Use the 'composer fund' command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi --force

 INFO  No publishable resources for tag [laravel-assets].

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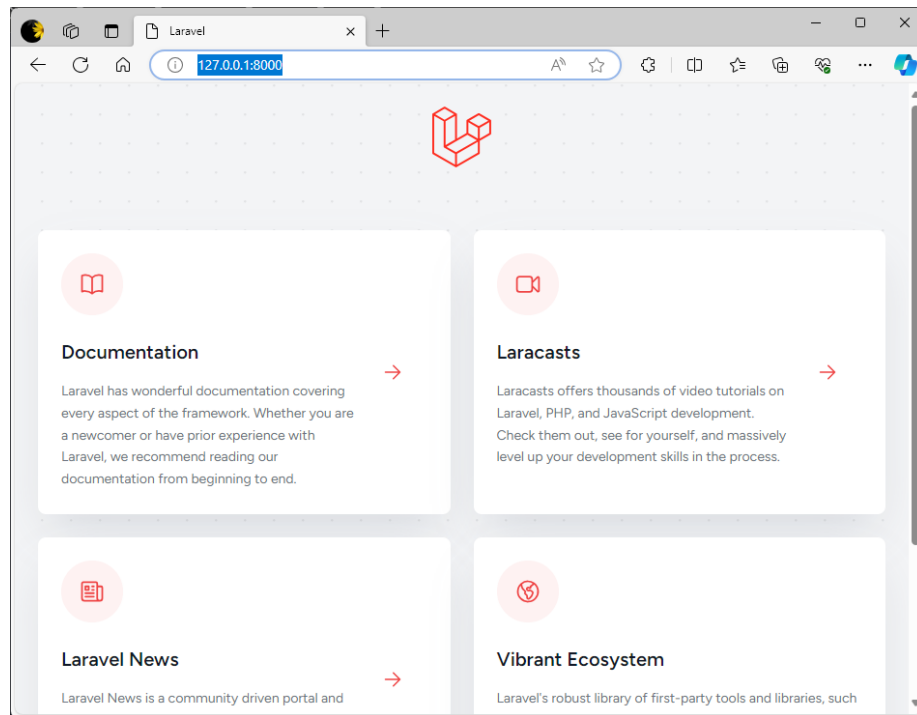
 INFO  Application key set successfully.

PS E:\Teaching\2024\1st term\CSE 3100\Lab 6> cd example-app
PS E:\Teaching\2024\1st term\CSE 3100\Lab 6\example-app> code .
PS E:\Teaching\2024\1st term\CSE 3100\Lab 6\example-app> php artisan serve

 INFO  Server running on [http://127.0.0.1:8000].

Press Ctrl+C to stop the server
```

4. Go to the server url (e.g. <http://127.0.0.1:8000> in our case).



Congratulations! You are ready for your Laravel adventure. You can visit the official Laravel website (<https://laravel.com/docs/10.x/installation>) for more details.