

Laravel for Beginners

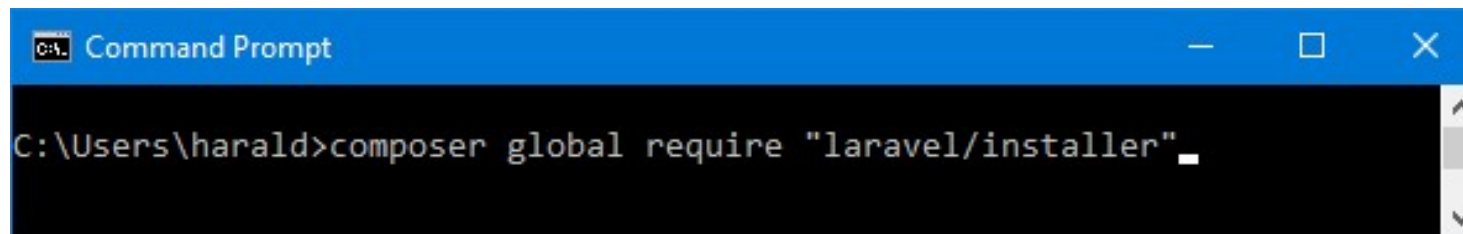
01

Install Laravel 5.6

Create a Laravel Project

What do you need?

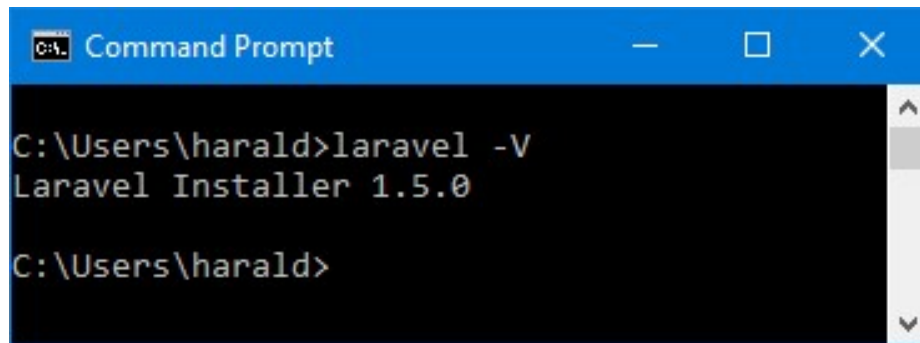
- ☒ XAMPP + PHP7.2 (<https://www.apachefriends.org>)
- ☒ Git 2.17 (<https://git-scm.com>) and maybe SourceTree etc.
- ☒ PhpStorm 2017.3 (<https://www.jetbrains.com/phpstorm>)
- ☒ PHP XDebug
 - https://services.htl-villach.at/wip/installationsanleitungen/#Phpstorm_2017
- ☐ Composer 1.6.4 (<https://getcomposer.org>)
 - Just run Composer-Setup.exe and follow the Installation Wizard with defaults
- ☐ Laravel Installer
 - Download and make it globally accessible on your laptop:



```
Command Prompt
C:\Users\harald>composer global require "laravel/installer"
```

Check the installation

- You should be able to call the Laravel Installer in your command shell:

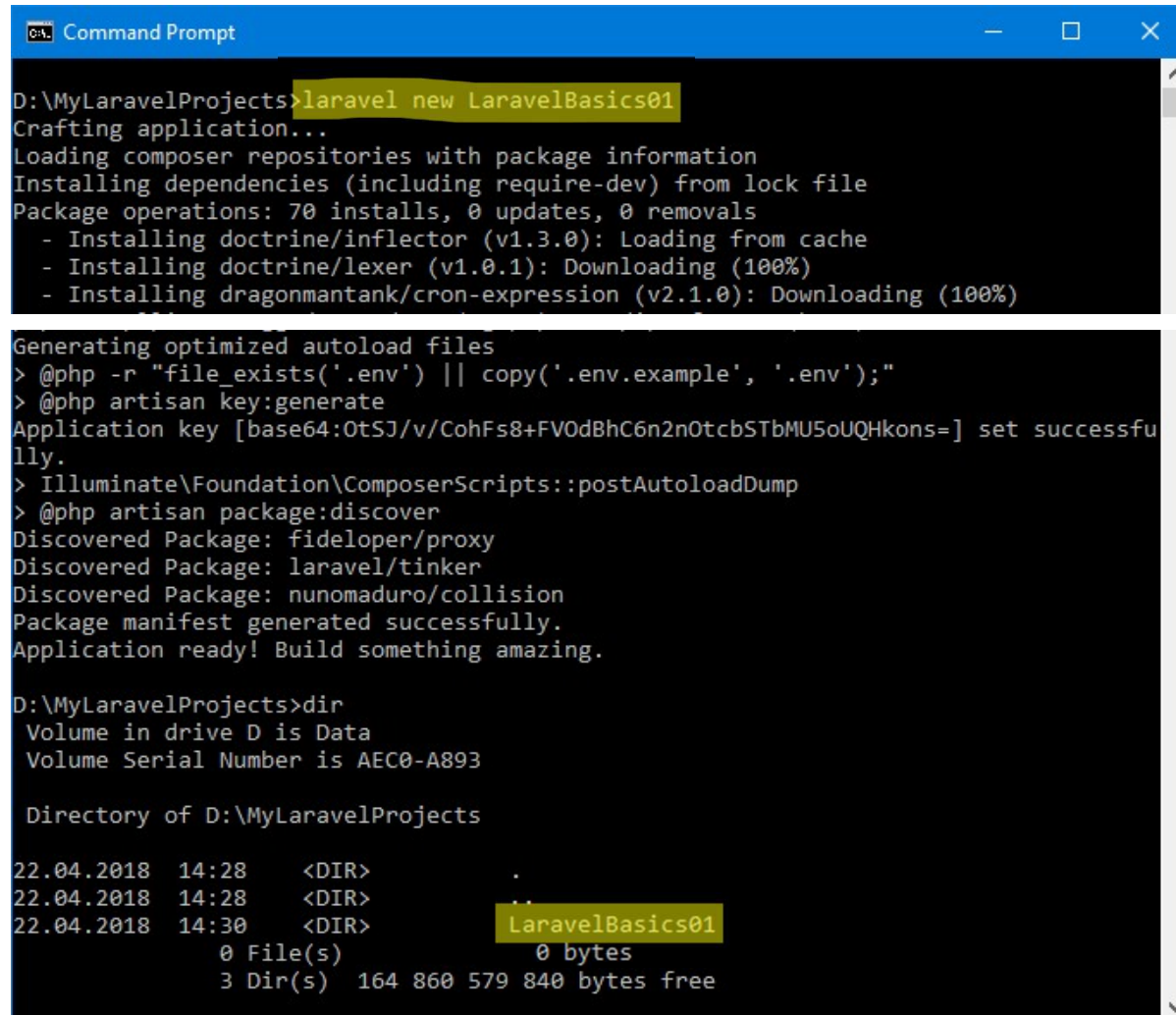


```
C:\Users\harald>laravel -V
Laravel Installer 1.5.0

C:\Users\harald>
```

Create a new Laravel project

- Place your command prompt to your working directory
- Call the laravel Installer with your chosen project name
`laravel new YourProjectName`
- The Laravel Installer
 - creates the project directory and the project structure
 - calls the composer which downloads all needed libraries.



```
Command Prompt
D:\MyLaravelProjects>laravel new LaravelBasics01
Crafting application...
Loading composer repositories with package information
Installing dependencies (including require-dev) from lock file
Package operations: 70 installs, 0 updates, 0 removals
- Installing doctrine/inflector (v1.3.0): Loading from cache
- Installing doctrine/lexer (v1.0.1): Downloading (100%)
- Installing dragonmantank/cron-expression (v2.1.0): Downloading (100%)

Generating optimized autoload files
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
> @php artisan key:generate
Application key [base64:0tSJ/v/CohFs8+FV0dBhC6n2n0tcbSTbMU5oUQHkons=] set successfully.
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover
Discovered Package: fideloper/proxy
Discovered Package: laravel/tinker
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
Application ready! Build something amazing.

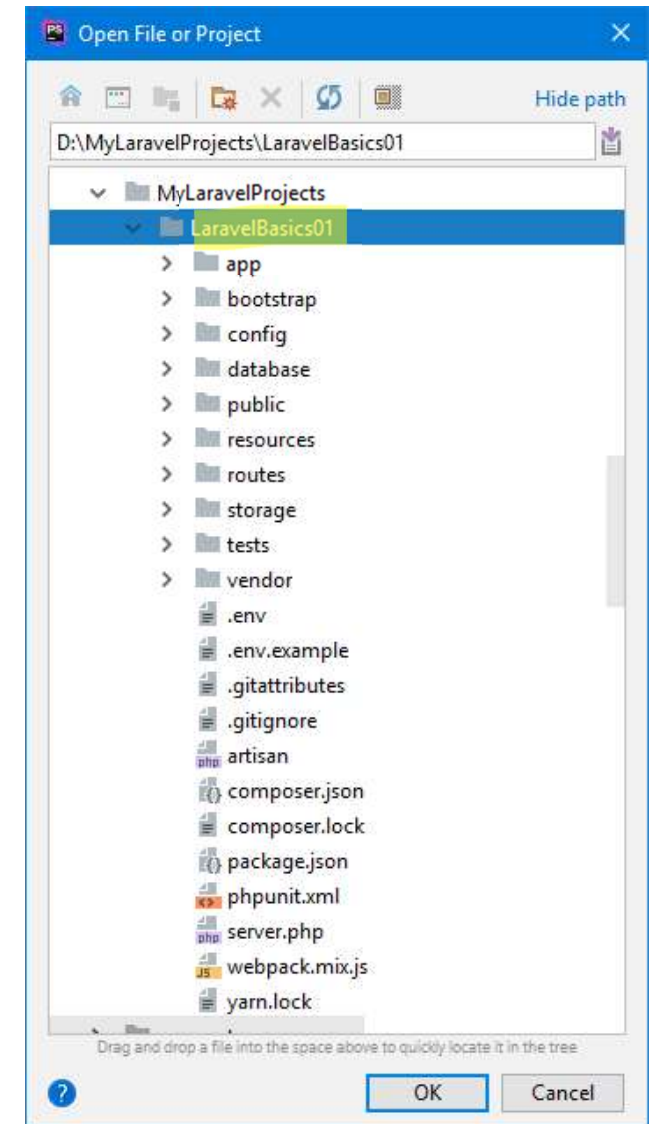
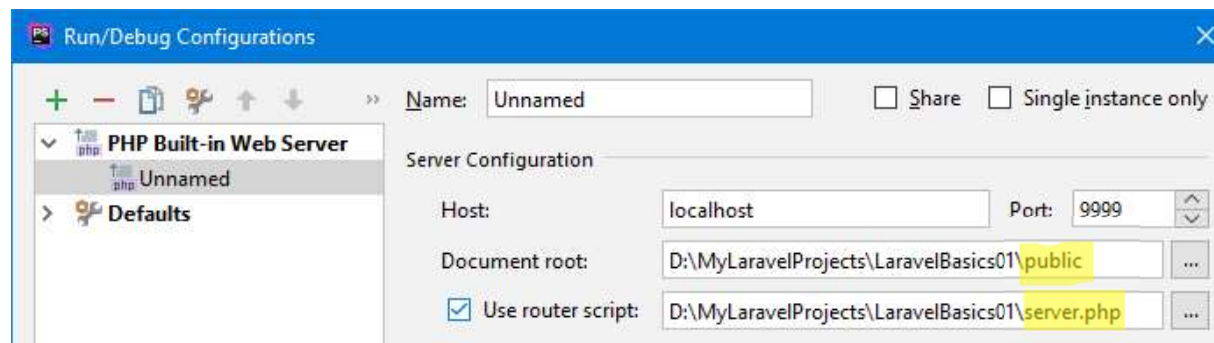
D:\MyLaravelProjects>dir
Volume in drive D is Data
Volume Serial Number is AEC0-A893

Directory of D:\MyLaravelProjects

22.04.2018  14:28    <DIR>          .
22.04.2018  14:28    <DIR>          ..
22.04.2018  14:30    <DIR>          LaravelBasics01
               0 File(s)                0 bytes
               3 Dir(s)  164 860 579 840 bytes free
```

Open the project with PHPStorm

- Open the project directory with PHPStorm
- Configure the Web Server:
- Use „PHP Built-in Web Server“
- The Document root must be the „public“ folder
- The route script must be „server.php“ in the Document root directory



Run and check the application

- Run the Web Server Configuration:
- Check the run command:



```
C:\xampp\php\php.exe -S localhost:9999 -t D:\MyLaravelProjects\LaravelBasics01\public D:\MyLaravelProjects\LaravelBasics01\server.php
```



Port

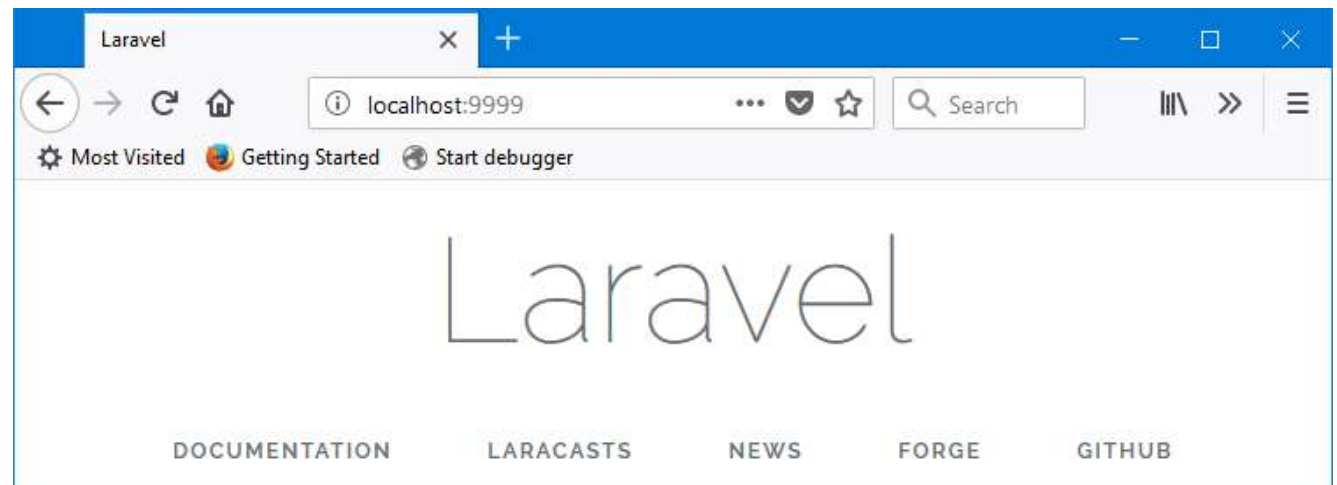


Document root



Router script

- In the Web Browser you should see this default page:



Thinks that can go wrong or might be missing

- If you check out a Laravel Project from GIT, the **vendor** directory with all libraries will not be included! So you have to get the libraries with the composer! Run the following command in the project directory or in the PhpStorm Terminal:

```
composer install
```

- The **encryption key** might not be generated yet. Run the following command in the project directory or in the PhpStorm Terminal:

```
php artisan key:generate
```