How to Install Laravel 5.7 with XAMPP on Mac

In **Laravel**   September 14, 2017   3638 Views   **tgugnani**
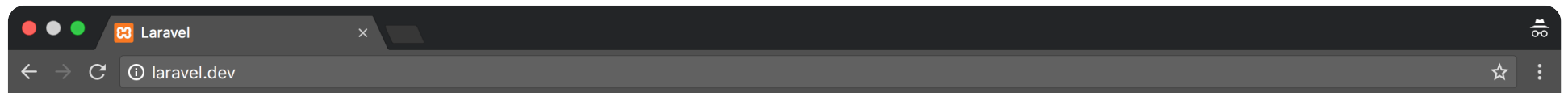
Requirements

- PHP >= 7.0.0
- OpenSSL PHP Extension
- PDO PHP Extension
- Mbstring PHP Extension
- Tokenizer PHP Extension
- XML PHP Extension

Laravel 5.7 requires PHP version 7.1.3 or more, and some other extensions. Since we are doing setup on XAMPP. Make sure to Install the XAMPP with version >= 7.2.0 .

Install XAMPP

First of all we need to download and install XAMPP. Download it from the **apache friends official website**. Download the XAMPP version > 7.2.0. Download the version for OSX (Mac).

Follow the steps to install the XAMPP. If you are on MAC, the install location for XAMPP will be /Applications/XAMPP.

Trade Now

Once the XAMPP is Installed, you should be able to access the XAMPP Console from where you can start or stop the necessary services.

Server	Status	
🔴 MySQL Database	Stopped	Start
🔴 ProFTPD	Stopped	Stop
🟢 Apache Web Server	Running	Restart
		Configure

XAMPP 7.1.8-0

Welcome | **Manage Servers** | Application log

Start All   Stop All   Restart All

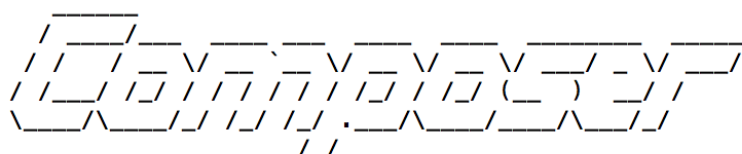| Software Development / Project Manager	Senior Business Analyst (Agile)	Project Coordir
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Tìm hiểu thêm	Tìm hiểu thêm	Tìm hi

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If you XAMPP is installed correctly and if you have the apache service running under it, you should see the following page when you access **localhost** on your browser.
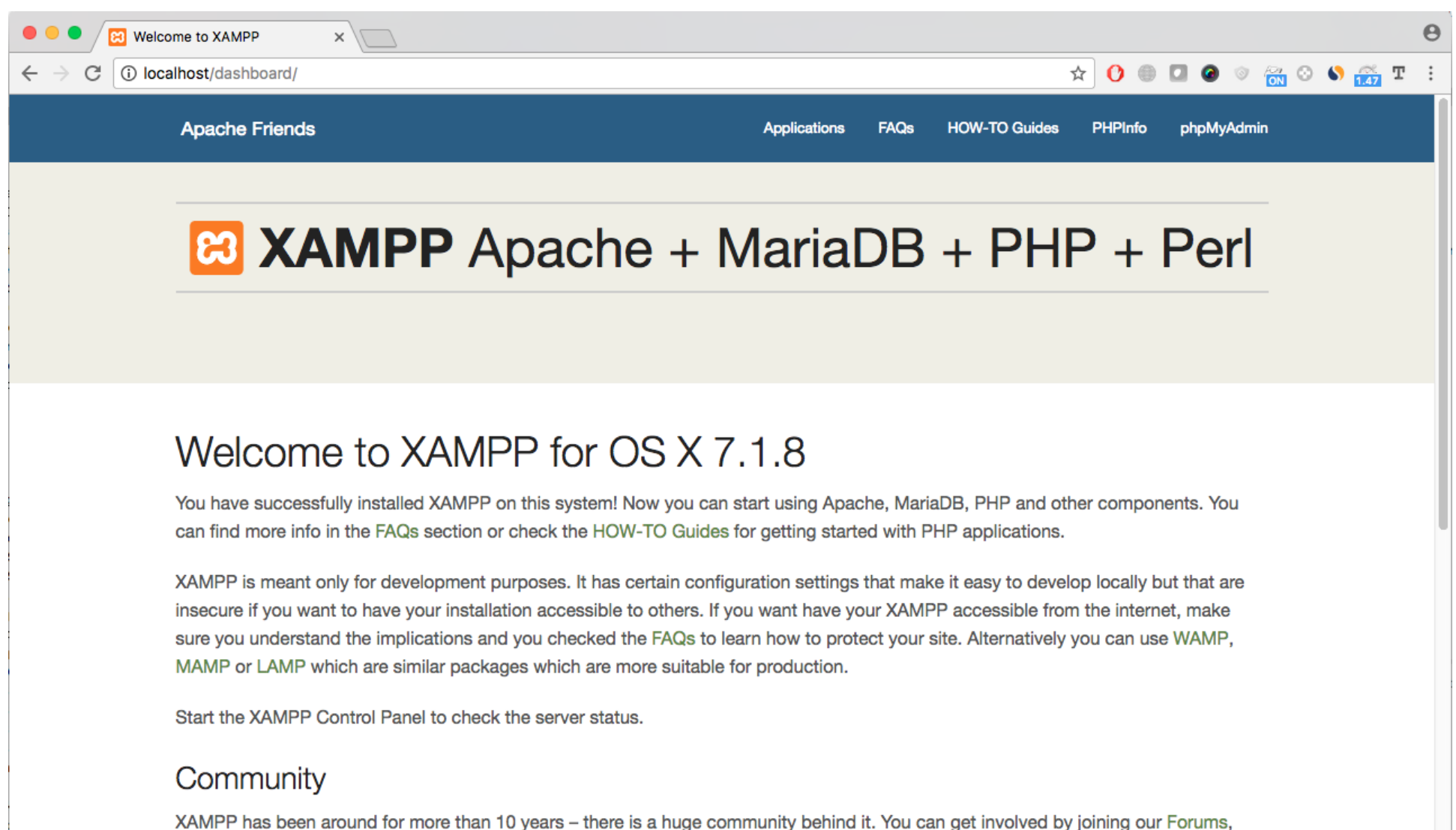
Composer

After you have downloaded XAMPP, We need to install Composer.

Composer is a dependency management or package management tool which is integrated with Laravel Framework. Check by running **composer** command in your terminal if your system has composer already installed in it. If not you can install it by following the steps for OSX (Installing Composer on OSX)

```
      _____
     / ____/___  ____ ___  ____  ____  _____  _____
    / /   / __ \/ __ `__ \/ __ \/ __ \/ ___/ _ \/ ___/
   / /___/ /_/ / / / / / / /_/ / /_/ (__  )  __/ /
   \____/\____/_/ /_/ /_/ .___/\____/____/\___/_/
                       /_/
Composer version 1.5.2 2017-09-11 16:59:25

Usage:
  command [options] [arguments]

Options:
  -h, --help                   Display this help message
  -q, --quiet                  Do not output any message
  -V, --version                Display this application version
      --ansi                   Force ANSI output
      --no-ansi                Disable ANSI output
  -n, --no-interaction         Do not ask any interactive question
      --profile                Display timing and memory usage information
      --no-plugins             Whether to disable plugins.
  -d, --working-dir=WORKING-DIR  If specified, use the given directory as working directory.
  -v|vv|vvv, --verbose         Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug
```

Install Laravel Framework

The default directory of XAMPP for installing or keeping PHP project is htdocs. Navigate to following directory in your terminal **/Applications/XAMPP/htdocs** and run following composer command to create a fresh Laravel 5.5 version

```
composer create-project laravel/laravel myProject "5.5.*"
```

After running this command composer should start downloading dependencies that are required to create the Laravel project.

```
[MacBook-Pro-2:htdocs tgugnani$ composer create-project --prefer-dist laravel/laravel pedsProject1
Installing laravel/laravel (v5.5.0)
  - Installing laravel/laravel (v5.5.0): Downloading (100%)
Created project in pedsProject1
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 68 installs, 0 updates, 0 removals
  - Installing vlucas/phpdotenv (v2.4.0): Downloading (100%)
  - Installing symfony/css-selector (v3.3.9): Downloading (100%)
  - Installing tijsverkoyen/css-to-inline-styles (2.2.0): Downloading (100%)
  - Installing symfony/polyfill-mbstring (v1.5.0): Downloading (100%)
  - Installing symfony/var-dumper (v3.3.9): Downloading (100%)
  - Installing symfony/routing (v3.3.9): Downloading (100%)
  - Installing symfony/process (v3.3.9): Downloading (100%)
  - Installing symfony/http-foundation (v3.3.9): Downloading (100%)
    Installing symfony/event-dispatcher (v3.3.9): Downloading (100%)
```

–More downloading–

```
Writing lock file
Generating autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover
Discovered Package: fideloper/proxy
Discovered Package: laravel/tinker
Package manifest generated successfully.
> @php artisan key:generate
Application key [base64:Yyr8Ws1SwJm7hp0OABClAXj/ZQwcbufPYW2h7tBsn7c=] set successfully.
```

When it finishes it will create a Laravel 5.5 project with following data structure.
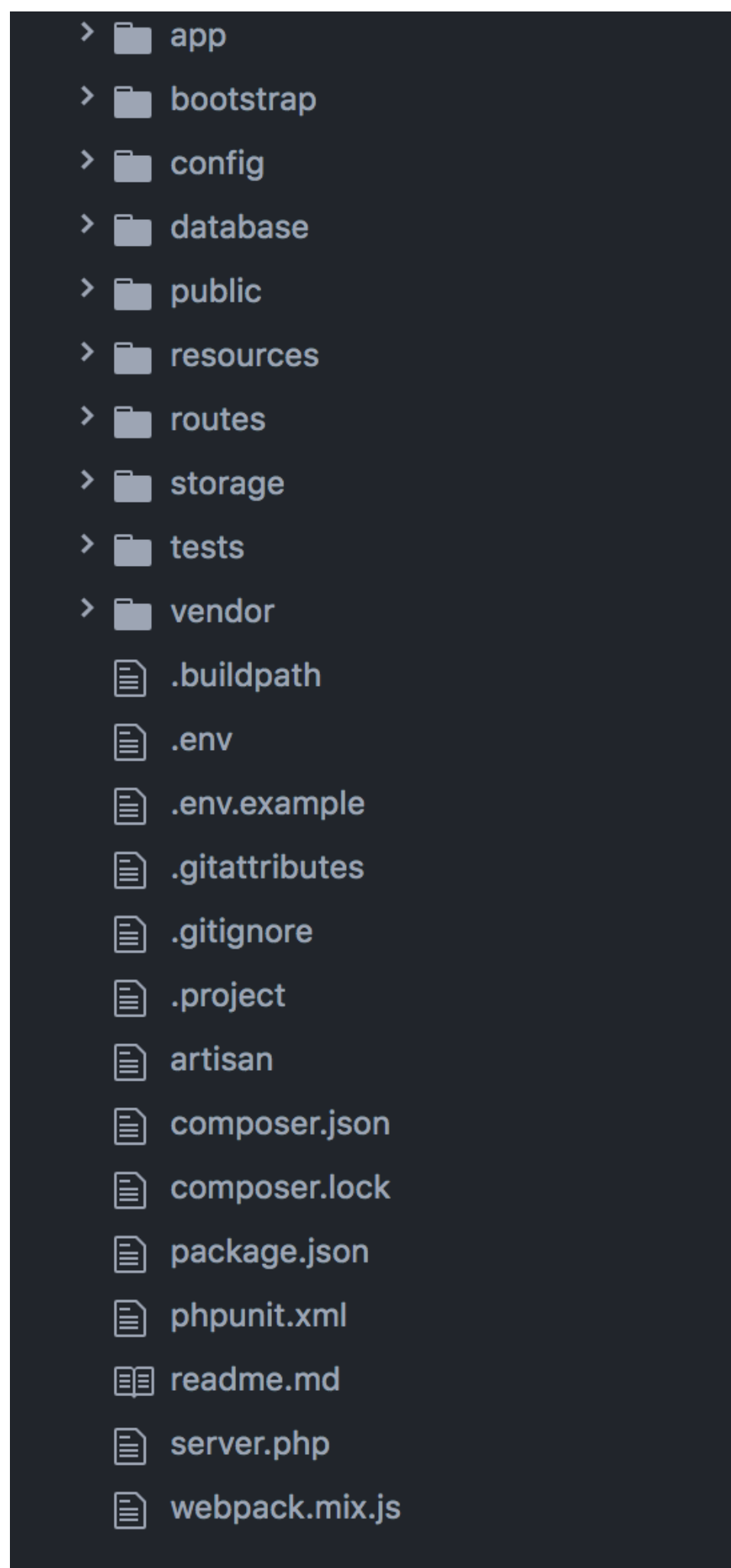
Modify Directory Permissions

In the newly created Laravel Project we need to modify the directory permissions of certain directory otherwise we will get following error on accessing the project

The stream or file "laravel.log" could not be opened: failed to open stream: Permission denied.

- cd into your Laravel project.
- sudo chmod -R 777 storage
- sudo chmod -R 777 bootstrap/cache

XAMPP Virtual Host

We need to configure XAMPP Virtual Host to set the document root to correct directory of laravel project and to also assign a name to the project by which we will be accessing it in browser.

Navigate and open file /Applications/XAMPP/etc/httpd.conf file and uncomment the line that includes the virtual host file.

```
# Virtual hosts
Include etc/extra/httpd-vhosts.conf
```

Navigate and open file /Applications/XAMPP/etc/extra/httpd-vhosts.conf and include following Virtual host entry in this file.

```
# VirtualHost for LARAVEL.LOCAL

<VirtualHost laravel.local:80>
  DocumentRoot "C:\xampp\htdocs\myProject\public"
  ServerAdmin laravel.local
  <Directory "C:\xampp\htdocs\myProject">
        Options Indexes FollowSymLinks
        AllowOverride All
        Require all granted
  </Directory>
</VirtualHost>
```

With this entry our apache is listening to **laravel.local**, but we also have to edit our hosts file to include an entry for the new domain.

Edit file /etc/hosts and add following entry to that file.

```
127.0.0.1 laravel.local
```

Restart your apache and access laravel.local on your browser you should be able to see this screen.

Success!

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