

Install & Configure Laravel Framework on Ubuntu 18.04

Experiment 6

Step 1: Download Installation Package LAMP

Start apache & Mysql Services

Step 2: Install PHP dependencies Install php version

- sudo apt install php
- sudo apt upgrade php

```
E! Couldn't find any package by glob 'php7.2-intl'
tom@tom-VirtualBox:~$ sudo apt update
Hit:1 http://in.archive.ubuntu.com/ubuntu hirsute InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu hirsute-updates InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu hirsute-backports InRelease
Get:4 http://security.ubuntu.com/ubuntu hirsute-security InRelease [110 kB]
Get:5 http://security.ubuntu.com/ubuntu hirsute-security/main amd64 DEP-11 Meta
data [7,984 B]
Get:6 http://security.ubuntu.com/ubuntu hirsute-security/universe amd64 DEP-11
Metadata [3,880 B]
Fetched 122 kB in 3s (48.5 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
251 packages can be upgraded. Run 'apt list --upgradable' to see them.
tom@tom-VirtualBox:~$ sudo apt install php
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
php is already the newest version (2:7.4+76ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 251 not upgraded.
tom@tom-VirtualBox:~$ sudo apt install php7.4-common php7.4-cli php7.4-gd php7.
4-mysql php7.4-curl php7.4-init
```

Install dependencies

- sudo apt install php7.2-common php7.2-cli php7.2-gd php7.2-mysql php7.2-curl php7.2-intl php7.2-mbstring php7.2-bcmath php7.2-imap php7.2-xml php7.2-zip

```

tom@tom-VirtualBox:~$ sudo apt install php7.4-common php7.4-cli php7.4-gd php7.4-mysql php7.4-curl php7.4-intl
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
php7.4-cli is already the newest version (7.4.16-1ubuntu2.1).
php7.4-cli set to manually installed.
php7.4-common is already the newest version (7.4.16-1ubuntu2.1).
php7.4-common set to manually installed.
php7.4-curl is already the newest version (7.4.16-1ubuntu2.1).
php7.4-curl set to manually installed.
php7.4-gd is already the newest version (7.4.16-1ubuntu2.1).
php7.4-gd set to manually installed.
php7.4-mysql is already the newest version (7.4.16-1ubuntu2.1).
php7.4-mysql set to manually installed.
The following NEW packages will be installed:
  php7.4-intl
0 upgraded, 1 newly installed, 0 to remove and 251 not upgraded.
Need to get 123 kB of archives.
After this operation, 508 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu hirsute-updates/universe amd64 php7.4-intl amd64 7.4.16-1ubuntu2.1 [123 kB]
Fetched 123 kB in 1s (126 kB/s)
Selecting previously unselected package php7.4-intl.
(Reading database ... 153875 files and directories currently installed.)
Preparing to unpack .../php7.4-intl_7.4.16-1ubuntu2.1_amd64.deb ...
Unpacking php7.4-intl (7.4.16-1ubuntu2.1) ...

```

Step 3: Install Composer Install Curl

➤ sudo apt install curl Download composer

```

tom@tom-VirtualBox:~$ sudo apt install curl
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
curl is already the newest version (7.74.0-1ubuntu2.3).
0 upgraded, 0 newly installed, 0 to remove and 251 not upgraded.
tom@tom-VirtualBox:~$ curl -sS https://getcomposer.org/installer | sudo php --
-- install-dir=/usr/local/bin -
All settings correct for using Composer
Downloading...

Composer (version 2.1.8) successfully installed to: /home/tom/composer.phar
Use it: php composer.phar

tom@tom-VirtualBox:~$ ~./downloads
bash: /home/tom/downloads: No such file or directory
tom@tom-VirtualBox:~$ cd ~/downloads
bash: cd: /home/tom/downloads: No such file or directory
tom@tom-VirtualBox:~$ cd ~/Downloads
tom@tom-VirtualBox:~/Downloads$ curl -sS https://getcomposer.org/installer | su
do php -- -- install-dir=/usr/local/bin -
All settings correct for using Composer
Downloading...

Composer (version 2.1.8) successfully installed to: /home/tom/Downloads/compose
r.phar
Use it: php composer.phar

```

- `curl -sS https://getcomposer.org/installer | sudo php -- --install-dir=/usr/local/bin --filename=composer`
- `export PATH="/usr/local/bin:$PATH"`
- `sudo composer global require laravel/installer` Check Composer version

```
tom@tom-VirtualBox:~/Downloads$ filename=composer^C
tom@tom-VirtualBox:~/Downloads$ curl -sS https://getcomposer.org/installer | sudo php -- --install-dir=/usr/local/bin --filename=composer
All settings correct for using Composer
Downloading...

Composer (version 2.1.8) successfully installed to: /home/tom/Downloads/composer.phar
Use it: php composer.phar

tom@tom-VirtualBox:~/Downloads$ composer
Command 'composer' not found, but can be installed with:
sudo apt install composer
tom@tom-VirtualBox:~/Downloads$ export PATH='/usr/local/bin:$PATH'
> ^C
tom@tom-VirtualBox:~/Downloads$ export PATH="/usr/local/bin:$PATH"
tom@tom-VirtualBox:~/Downloads$ composer
Command 'composer' not found, but can be installed with:
sudo apt install composer
tom@tom-VirtualBox:~/Downloads$ sudo apt install composer
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  git git-man jsonlint liberror-perl php-composer-ca-bundle
  php-composer-semver php-composer-spdx-licenses php-composer-xdebug-handler
  php-json-schema php-react-promise php-symfony-console
```

- `composer --version`

```
tom@tom-VirtualBox:~/Downloads$ composer

Composer 2.0.9 2021-01-27 16:09:27

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.
      --no-cache            Prevent use of the cache
  -v|vv|vvv, --verbose      Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

Available commands:
  about                    Shows the short information about Composer.
```

Step 4: Create Laravel Project

➤ cd Documents/

```
tom@tom-VirtualBox:~/Downloads$ cd ~/Documents
tom@tom-VirtualBox:~/Documents$ mkdir laravel
tom@tom-VirtualBox:~/Documents$ cd laravel/
tom@tom-VirtualBox:~/Documents/laravel$ sudo composer create-project --prefer-dist laravel/laravel my_app
[sudo] password for tom:
Do not run Composer as root/super user! See https://getcomposer.org/root for details
Continue as root/super user [yes]? yes
Creating a "laravel/laravel" project at "./my_app"
Installing laravel/laravel (v8.6.2)
- Downloading laravel/laravel (v8.6.2)
- Installing laravel/laravel (v8.6.2): Extracting archive
Created project in /home/tom/Documents/laravel/my_app
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 110 installs, 0 updates, 0 removals
- Locking asm89/stack-cors (v2.0.3)
- Locking brick/math (0.9.3)
- Locking dflydev/dot-access-data (v3.0.1)
- Locking doctrine/inflector (2.0.3)
- Locking doctrine/instantiator (1.4.0)
- Locking doctrine/lexer (1.2.1)
- Locking dragonmantank/cron-expression (v3.1.0)
- Locking egulias/email-validator (2.1.25)
- Locking facade/flare-client-php (1.9.1)
```

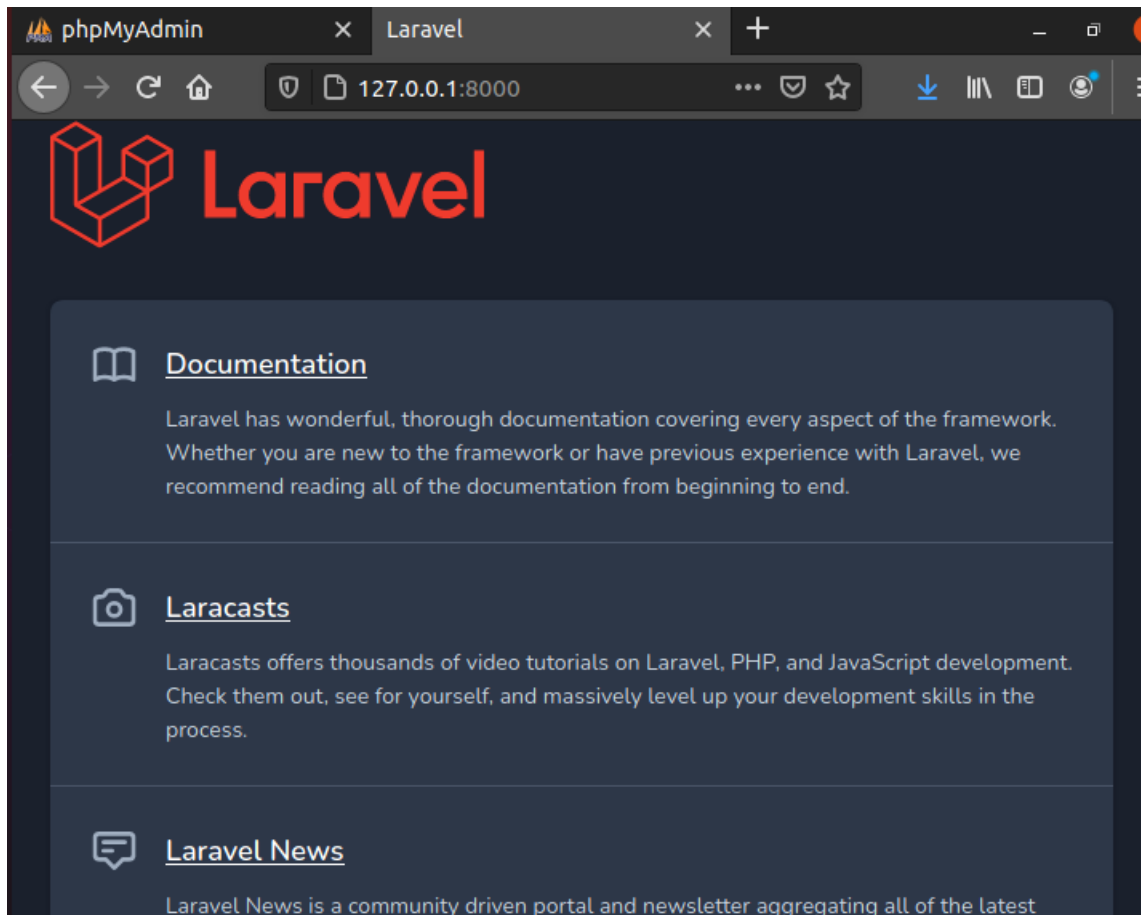
➤ mkdir laravel

➤ cd laravel

➤ composer create-project --prefer-dist laravel/laravel my_app

➤ chmod 755 my-app

```
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
76 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
No publishable resources for tag [laravel-assets].
Publishing complete.
> @php artisan key:generate --ansi
Application key set successfully.
tom@tom-VirtualBox:~/Documents/laravel$ sudo chmod 755 my_app
[sudo] password for tom:
tom@tom-VirtualBox:~/Documents/laravel$ cd my_app/
tom@tom-VirtualBox:~/Documents/laravel/my_app$ php artisan serve
Starting Laravel development server: http://127.0.0.1:8000
[Fri Sep 24 16:37:14 2021] PHP 7.4.16 Development Server (http://127.0.0.1:8000) started
```



Step 5: Install Authentication UI

- `cd my-app`
- `//composer require laravel/ui --dev`

```
tom@tom-VirtualBox:~/Documents/laravel/my_app$ sudo php artisan ui vue --auth
Command "ui" is not defined.

tom@tom-VirtualBox:~/Documents/laravel/my_app$ sudo composer require laravel/ui
--dev
Do not run Composer as root/super user! See https://getcomposer.org/root for de
tails
Continue as root/super user [yes]? yes
Using version ^3.3 for laravel/ui
./composer.json has been updated
Running composer update laravel/ui
Loading composer repositories with package information
Updating dependencies
Lock file operations: 1 install, 0 updates, 0 removals
  - Locking laravel/ui (v3.3.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
  - Downloading laravel/ui (v3.3.0)
  - Installing laravel/ui (v3.3.0): Extracting archive
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
```

- php artisan ui vue --auth
- sudo apt install npm
- sudo npm install -g n
- sudo n latest
- sudo npm run dev -g n
- sudo npm install && sudo npm run dev


```
tom@tom-VirtualBox:~/Documents/laravel/my_app$ sudo npm install && sudo npm run dev
up to date, audited 830 packages in 6s

87 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

> dev
> npm run development

> development
> mix

● Mix  building (10%) 0/2 entries 10/15 dependencies
  2/10 modules 8 active
  ...[34m> vue-loader > resources/js/components/ExampleComponent.vue

DEPRECATION WARNING: Using / for division is deprecated and will be removed in
Dart Sass 2.0.0.

Recommendation: math.div($spacer, 2)
```



```
Laravel Mix v6.0.31

✓ Compiled Successfully in 19050ms



| File        | Size     |
|-------------|----------|
| /js/app.js  | 1.41 MiB |
| css/app.css | 178 KiB  |



● Mix ██████████ done (99%)
  plugins

webpack compiled successfully
tom@tom-VirtualBox:~/Documents/laravel/my_app$
```

➤ Migrate the tables to DB

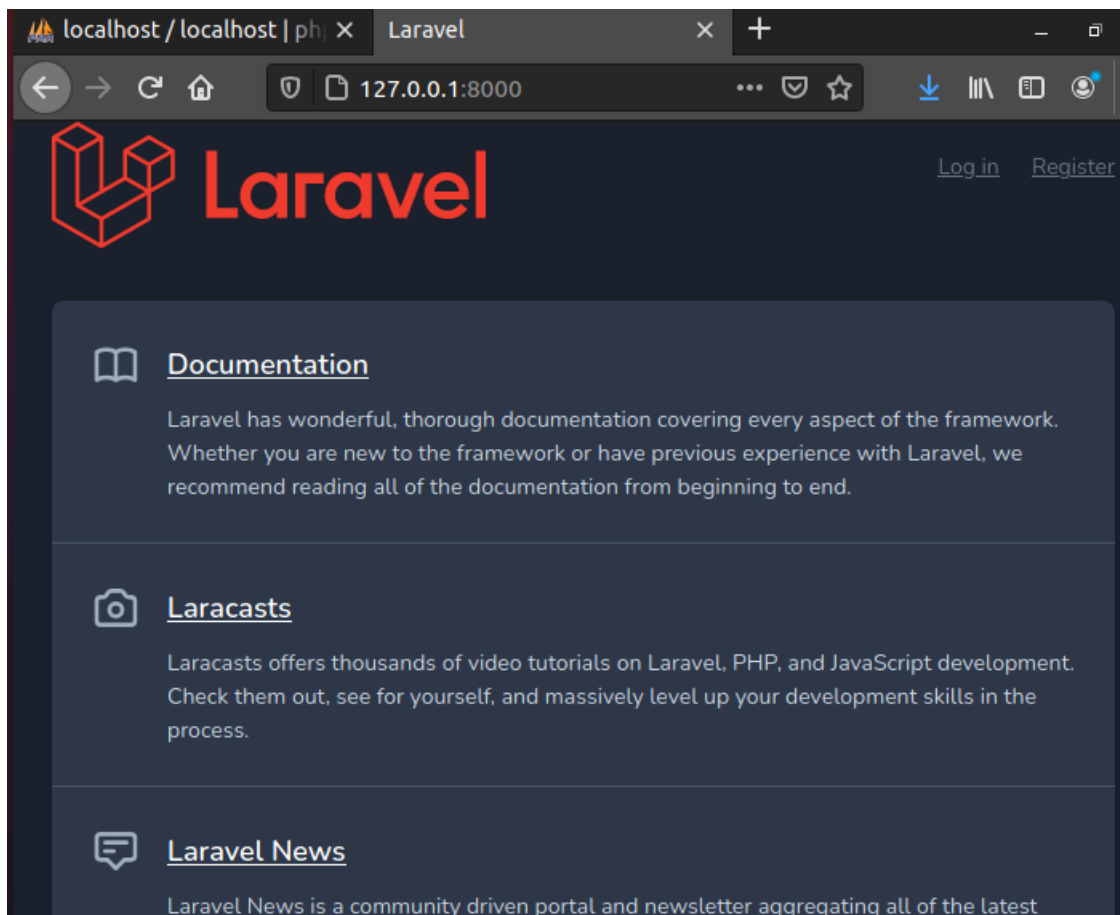
➤ php artisan migrate

```
Illuminate\Foundation\Console\Kernel::handle()
tom@tom-VirtualBox:~/Documents/laravel/my_app$ sudo php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (26.00ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (18.77ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (14.41ms)
Migrating: 2019_12_14_000001_create_personal_access_tokens_table
Migrated: 2019_12_14_000001_create_personal_access_tokens_table (27.29ms)
tom@tom-VirtualBox:~/Documents/laravel/my_app$
```

```
tom@tom-VirtualBox:~/Documents/laravel/my_app$ sudo php artisan make:migration cars
Created Migration: 2021_09_24_115139_cars
tom@tom-VirtualBox:~/Documents/laravel/my_app$ php artisan migrate
Migrating: 2021_09_24_115139_cars
Migrated: 2021_09_24_115139_cars (0.13ms)
tom@tom-VirtualBox:~/Documents/laravel/my_app$
```

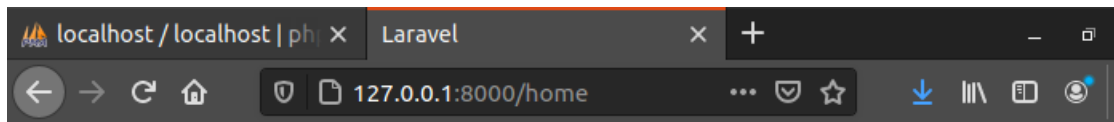
➤ Start server

➤ php artisan serve



The screenshot shows the Laravel registration form in a web browser. The browser's address bar displays 'localhost / localhost | php Laravel' and the URL '127.0.0.1:8000/register'. The page features the Laravel logo (a red cube) and the word 'Laravel' in a large, bold, red font. In the top right corner, there is a hamburger menu icon. The main content area is a registration form with the following fields:

- Name**: A text input field containing the value 'tom'.
- E-Mail Address**: A text input field containing the value 'tom@gmail.com'.
- Password**: A password input field with a masked password '.....'.
- Confirm Password**: A password input field with a masked password '.....'.

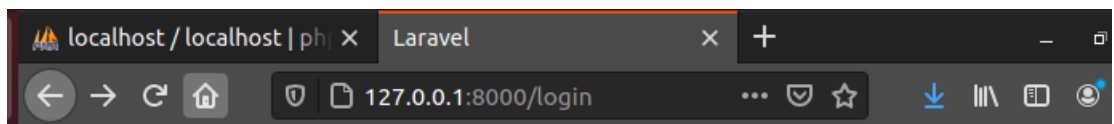


Laravel



Dashboard

You are logged in!



Laravel



Login

E-Mail Address

tom@gmail.com

Password

.....

☐ Remember Me

Login

[Forgot Your Password?](#)

