

Deploying laravel in ubuntu Server

install vim

```
=>sudo apt install vim
```

first step check the server is 18.0 or not

```
=> sudo apt update
```

```
=> sudo apt install apache2 -y
```

check the firewall about the apache

```
=>sudo ufw app list
```

include the "Apache Full" to the ufw (unified firewall)

```
=>sudo ufw app info "Apache Full"
```

allow the apache2 in ufw

```
=>sudo ufw allow in "Apache Full"
```

install curl

```
=>apt install curl
```

check the localhost

```
=>curl localhost // curl http://<your_ip>
```

this should give you the default apache page

install mysql server

```
=>sudo apt install mysql-server
```

then configure with this command and set admin password

```
=>sudo mysql_secure_installation
```

check with this command

=>**sudo mysql**

it will give you the mysql shell

include a private repolist

=> **sudo add-apt-repository ppa:ondrej/php**

most important

update your repository

=>**apt update**

install php7.2

=>**sudo apt-get install php7.2**

check the version with this command

=>**php -v**

go to **/var/www/html**

=>**cd /var/www/html**

and delete everything inside the html folder .dont delete the
html folder

inside the html folder go to

=> **rm -rf ***

create the file

=> **vim index.php**

write this line

<?php

phpinfo()

?>

save and exit

=> `curl localhost`

you should see the php information

install php module

=> `sudo apt install php7.2-opcache php7.2-mbstring php-memcached`

=> `sudo apt install php7.2-zip`

=> `sudo apt install php7.2-xml`

install php mysql module

=> `sudo apt-get install php7.2-mysql php7.2-soap`

install composer

go to the home directory

download the composer file

=> `php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"`

install wget

=> `apt install wget -y`

import the hash file

=> `HASH="$(wget -q -O - https://composer.github.io/installer.sig)"`

verify the installation

=> `php -r "if (hash_file('SHA384', 'composer-setup.php') === '$HASH') { echo 'Installer verified'; } else { echo 'Installer corrupt'; unlink('composer-setup.php'); } echo PHP_EOL;"`

if everything ok then this message will show

Installer verified

install the composer

```
=> sudo php composer-setup.php --install-dir=/usr/local/bin --filename=composer
```

test the composer with

```
=> composer
```

install laravel

```
=> sudo composer global require laravel/installer
```

the laravel command wil save in the
~/.composer/vendor/bin/ dirctory

create an alias in the .bashrc file [you can also add the path]

```
=> vim ~/.bashrc
```

add this line exactly
after the pound sign

```
alias laravel='~/.composer/vendor/bin/laravel'
```

go to the **/var/www/html**

```
=>laravel new
```

it will create the application
then

```
=> npm install
```

Create a user in the database

=>**sudo mysql**

```
mysql>CREATE USER 'newuser'@'localhost' IDENTIFIED BY 'password';  
mysql>GRANT ALL PRIVILEGES ON *.* TO 'newuser'@'localhost';  
mysql>FLUSH PRIVILEGES;
```

create a database 'test' you can give any name

```
mysql>create database test;
```

exit from mysql

go to application folder

```
#### =>vim .env
```

edit the

```
USERNAME=newuser  
PASSWORD=password  
DATABASE=test
```

then save and exit

enter the command

```
=>php artisan migrate
```

very important

in the application folder there is a file name server.php
change the name to “**index.php**”

```
=> mv server.php index.php
```

go to your ip address in the browser

http://ip

this it

additionally you can download the single php file from
adminer.org

for database administration its a single page application

download the adminer.php then

=>**sudo apt-get install php-mysql**

then reload the server

=>**service apache2 restart**