

# LARAVEL ON AWS

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## 1. Creating a server

Create a server Instance. Retrieve SSH Details and IP Address. Now you will not see anything on your IP Address when you visit it.

## 2. Installing Apache

You have to install apache to view anything on your IP Address. To install Apache run the following command on SSH

```
$ sudo apt-get install apache2
```

Now After sometime you will see a test page on your IP Address.

## 3. Installing other Requirements

Now you have to install the following things with these commands.

### i) Installing PHP

```
$ sudo add-apt-repository ppa:ondrej/php5
```

```
$ sudo apt-get update
```

```
$ sudo apt-get install php5 libapache2-mod-php5
```

### ii) Installing Mycrypt

```
$ sudo apt-get install php5-mcrypt
```

### iii) Installing MySQL

```
$ sudo apt-get install mysql-server
```

## 4. Installing Git Core

Install git core as a base requirement

```
$ sudo apt-get install git-core
```

## 5. Cloning the GIT repository

Now go to your Root folder directory. Go to /var/www directory. Now create /sa directory named Laravel. Now run SSH in admin privileges by su.

```
$ sudo su
//Give your Server Username and password when prompted.
$ mkdir laravel
$ cd laravel
```

User Git clone to clone the whole laravel repository into your directory.

```
$ git clone https://github.com/cmrlweb/CMRL_LARAVEL.git
```

Now install composer on your current directory. This is an Important Point to be done.

```
$ curl -sS https://getcomposer.org/installer | php
$ phar composer.phar install
```

Now you have successfully installed laravel of your repo. Now visit your IP.  
It'll show only your Default Apache folder. So visit.

IP/laravel/public/

You'll get Permission Denied. Or you will see a blank Page. If you see a blank Page . Go to the bottom of the document to process that.  
So to do that you have to change your virtual host. To do so

```
$ cd /etc/apache2/sites-available/
$ vim 000-default.conf
```

And you see the document root is www , you have to change it to www/laravel/public. you can do that by,

DocumentRoot www/laravel/public

Save that file. Escape button , :wq .Restart Apache.

```
$ apachectl restart
```

So you go to your IP address and you'll still see Permission denied. So you do the following

```
$ cd /var/www/laravel/app
$ chmod -R 777 storage
```

Now if you refresh it you will see a login page. But its not over yet. You have to Change the database permissions. If you have done that , Login using Admin Credentials.

Email : [mohanrajan1996@gmail.com](mailto:mohanrajan1996@gmail.com)  
password : password.

But for this to happen you have to go to your Database and do the following.

In your CMRLMAIN database there will be table called as users.roles.roles\_users. You have to modify these for proper functioning of the Web Portal.

I will create a one time Run page to give the admin rights to the first user aka [mohanrajan1996@gmail.com](mailto:mohanrajan1996@gmail.com) (Mail is temporary).

Register the Admin in the same web portal. and now Login.By now you will see the website.

Note: If you see a blank page , its because the .env file is missing. There will be a .env.example file in the directory. Now if you have installed composer , now the .env.example must be converted to the .env file , if not then copy the contents of the .env.example file to .env ( a new file) and give the Database Host name Password Username and all the required Details . Now It should work.