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 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

iv)Installing Curl (if not present on your server)

$sudo apt-get install php5-curl

v)Installing Certificates (if not present)
//This step is when you try to install composer and when you get curl(77):error.

$sudo apt-get install ca-certificates

$sudo mkdir -p /etc/pki/tls/certs
$sudo cp /etc/ssl/certs/ca-certificates.crt /etc/pki/tls/certs/ca-bundle.crt

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.

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

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

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

$ curl -sS https://getcomposer.org/installer | php -- --install-dir=bin —filename=composer
$ cd laravel
$ composer install

Note: If you see a missing composer.json problem , then it is because of the permissions , also check with ls whether you have the composer.json in your directory, if you have it, then check permission and change it to global permission or you might have not moved to the laravel directory.
$chmod -R 777 composer.son
or use sudo command with composer install.
Now run the composer install command

 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

If you see a not fount on this server error , do the following.
$ cd /etc/apache2/sites-available/
$ vim 000-default.conf
 and in the add 2 lines

//enable mod rewrite
a2enmod rewrite

and restart apache. Now it will work in the IP Address.

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
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 (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.

Edit : If you find yourself stuck in IP/index.php/auth/login , then the following ways to resolve it .

$ cd /etc/apache2/sites-available/

Now if you work based on a domain . Then if you ls you'll get

000-default.conf yoursite.conf default-ssl.conf

If you work on IP - change 000-default.conf , if on a domain , change the yoursite.conf

```
<VirtualHost *:80>
    ServerAdmin webmaster@localhost
    DocumentRoot /var/www/laravel/public

    <Directory /var/www/laravel/public>
    AllowOverride all
    Require all granted
    </Directory>
```

```
</VirtualHost>
```

The virtual host :80 Should be changed . not the 443 (SSL VH) .

Then go to your larval public directory and delete the .htaccess file . Now rewrite the whole file as

```
Options +FollowSymLinks
RewriteEngine On

RewriteCond %{REQUEST_FILENAME} !-d
RewriteCond %{REQUEST_FILENAME} !-f
RewriteRule ^ index.php [L]
```

// ONLY THIS.. Now it'll work.