

# Deployment Guide to deploy Laravel application on LAMP Stack

## Prerequisites

To follow this guide, you will need:

- One Ubuntu 18.04 server set up with LAMP stack, including a sudo non-root user

1. Enable rewrite module apache

```
# sudo a2enmod rewrite
# sudo systemctl restart apache2
```

2. Copy your project folder to *var/www/html*

```
# cp -r <project_name> var/www/html
```

3. Create *.htaccess* file in the *project/public* folder

```
<IfModule mod_rewrite.c>
<IfModule mod_negotiation.c>
Options -MultiViews
</IfModule>
```

```
RewriteEngine On
```

```
# Redirect Trailing Slashes...
RewriteRule ^(.*)/$ /$1 [L,R=301]
```

```
# Handle Front Controller...
RewriteCond %{REQUEST_FILENAME} !-d
RewriteCond %{REQUEST_FILENAME} !-f
RewriteRule ^ index.php [L]
</IfModule>
```

4. Edit Apache default virtual host configuration file 000-default.conf and update DocumentRoot to Laravel public directory as below:

```
# vim /etc/apache2/sites-enabled/000-default.conf
```

\* Add some more configuration.

```
<VirtualHost *:80>

    ServerAdmin webmaster@localhost
    DocumentRoot /var/www/html/laravel/public

    <Directory />
        Options FollowSymLinks
        AllowOverride None
    </Directory>
    <Directory /var/www/html/laravel>
        AllowOverride All
    </Directory>

    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
```

5. Restart Apache

```
# sudo service apache2 restart
```

6. Now, Open your browser and go to <http://localhost>