Laravel Application Hositng

Last updated by | Shakibe Hasan | Jun 22, 2023 at 4:34 PM GMT+6

Using Apache2:

- Enable Apache Modules: Enable the necessary Apache modules for running Laravel. Run the following commands:

```
{sudo a2enmod rewrite
sudo service apache2 restart}
```

- Configure Apache Virtual Host: Create a virtual host configuration file for your Laravel project. Create a new configuration file using a text editor:
  ```
  {sudo nano /etc/apache2/sites-available/laravel.conf}
  ```
  Add the following content to the file:

```
{<VirtualHost *:80>
    ServerName amarlaravel.local
    DocumentRoot /var/www/projectone/public

    <Directory /var/www/projectone/public>
        Options Indexes FollowSymLinks
        AllowOverride All
        Require all granted
    </Directory>

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

- Enable the Virtual Host: Enable the newly created virtual host by running the following command:
  ```
  {sudo a2ensite projectone.conf}
  ```

- Update Hosts File : As we are using a domain name for your local development, we can update your local machine's hosts file to point the domain to the server's IP address. Open the hosts file:
  ```
  {sudo nano /etc/hosts}
  ```

- Restart Apache: Restart Apache to apply the changes:
  ```
  {sudo service apache2 restart}
  ```

- Set App Key and Permissions: Navigate to your Laravel project directory and generate the application key:

```
{cd /var/www/projectone
php artisan key:generate}
```

- Set the appropriate file permissions for the Laravel project:

```
{sudo chown -R www-data:www-data /var/www/projectone
sudo chmod -R 755 /var/www/projectone/storage}
```

Using Nginx:

- Install Nginx: We can run the following command:
  ```
  {sudo apt-get install nginx}
  ```

- Configure Nginx Virtual Host: Create a virtual host configuration file for your Laravel project.
  `{sudo nano /etc/nginx/sites-available/laravel.com}`
  Add the following content to the file:

```
server {
    listen 80;
    server_name amarlaravel.local;
    root /var/www/projectone/public;
    index index.php;

    location / {
        try_files $uri $uri/ /index.php?$query_string;
    }

    location ~ \.php$ {
        include snippets/fastcgi-php.conf;
        fastcgi_pass unix:/var/run/php/php8.0-fpm.sock;
    }

    location ~ /\.ht {
        deny all;
    }
}
```

- Enable the Virtual Host: Create a symbolic link for the virtual host file in the sites-enabled directory:
  `{sudo ln -s /etc/nginx/sites-available/laravel.conf /etc/nginx/sites-enabled/}`

- Test Nginx Configuration: Run the following command to check if there are any syntax errors in your Nginx configuration files:
  `{sudo nginx -t}`
  If the configuration test is successful, you should see a message indicating that the syntax is OK.

- Restart Nginx: Restart Nginx to apply the changes:
  `{sudo service nginx restart}`

- Set App Key and Permissions: Navigate to your Laravel project directory and generate the application key:

```
{cd /var/www/projectone
php artisan key:generate}
```

- Set the appropriate file permissions for the Laravel project:

```
{sudo chown -R www-data:www-data /var/www/projectone
sudo chmod -R 755 /var/www/projectone/storage}
```