

Product Name/Title:

Laravel-MySQL-Apache2-ubuntu-22.04 by Eternal

Version:1.0.0

Outline: This user guide aims to provide you with instructions and assistance in using the product. If you encounter any issues while following this guide, please contact our support team at support@eternalwebsolution.com

Note: In this AMI It comes with basic installation of software and its library that is used for run Laravel application. This AMI comes with preinstalled software like: Laravel, Composer, PhpMyAdmin, Apache2,MySQL

Please follow below steps to launch Laravel server using our AMI.

- **Step 1: Launch the Instance:**

Log in to your AWS account and navigate to the AWS Marketplace.

Search for Laravel-MySQL-Apache2-ubuntu-22.04 by Eternal.

- **Step 2: Access the instance:**

Please update the security group of the target instance to allow the below ports and protocols for access and connectivity.

Protocol	Type	Port	Description
SSH	TCP	22	For ssh connectivity (user: UBUNTU)
Custom TCP	TCP	443	To access HTTPS request
Custom TCP	TCP	80	To access HTTP request
Custom TCP	TCP	3306	To access MySQL database

- **Step 3: System requirements:**

To ensure smooth operation and balanced performance of your application setup, it is recommended to meet the following minimum system requirements:

CPU: 2 **VCPU**

Ram: 4 **GB**

Minimum Disk Space:10 **GB**

- **Step 4: Connect to the instance**

Connect to the instance using SSH.

- Open your terminal, command prompt.

ssh -i /path/to/private_key.pem **ubuntu**@instance_ip

- Change the permissions of your private key file (if necessary) by running the following command: `chmod 400 (key_name)`

- **Step 4: Package configuration:** list of installed server components and their respective installation.

Component	Version	Location
Ubuntu	22.04 LTS	-
Laravel	10.x	/etc/apache2/sites-available/Laravel.conf
Composer	2.x	/usr/bin/composer
PHP	8.1	/etc/php/8.1/apache2/php.in
MySQL	8.1	/etc/mysql/mysql.conf.d/mysqld.cnf

- **Step 5: Database Creds**

To access the MySQL root user and database user credentials, please refer to the following file:

/database/creds

The file mentioned above contains the necessary credentials for both the MySQL root user and the database user. Please locate this file to retrieve the required information.

- **Step 6: Change in virtual host of laravel.config file:** It is mandated that if you want to run your application/website with specific domain or server IP

File location: /etc/apache2/sites-available/laravel.conf

sudo nano laravel.conf

change --> ServerName Your_Server_IP or Domain

DocumentRoot /var/www/html/ Your_project_name /public

<Directory /var/www/html/Your_project_name>

- **Step 7:** To access the Laravel front-end, follow the steps below:

- After the initial launch of the server, the Apache HTTP server is configured to start automatically.

- Laravel will be accessible from the moment the server is launched.

- To access the Laravel front-end, open a web browser of your choice Enter the following URL in the address bar: http://<PUBLIC_IP> associated with your Laravel app, you can use the domain name instead of the IP address.

- To access phpMyAdmin, enter following URL in the address bar: `http://<public-ip>/phpmyadmin/`

Credentials to access phpMyAdmin are stored at path `/database/creds`