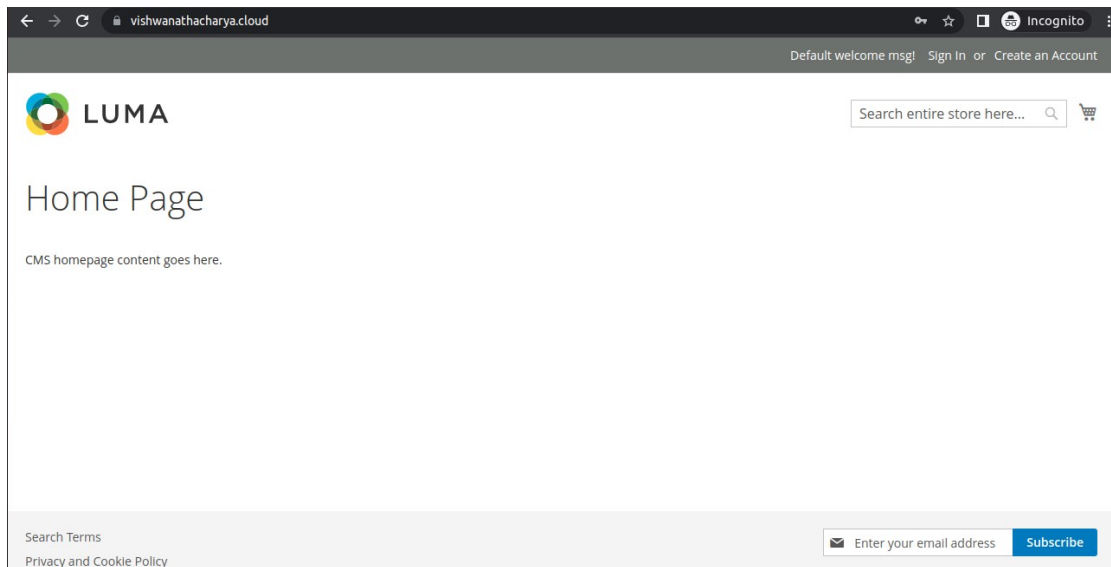


INSTALL MAGENTO2.4.4 WITH WILDCARD SSL CERTIFICATES



Crerate EC2 t2.medium instance
open **Security Group** Port

Instance: i-0109418eb727b1fe6 (Magento2.4.4-ssl)

Name	Security group rule ID	Port range	Protocol	Source
-	sgr-04f6d7fc264b6b722	9200	TCP	0.0.0.0/0
-	sgr-018c9edff8a5ce56c	80	TCP	0.0.0.0/0
-	sgr-0335119fae031dbf4	443	TCP	0.0.0.0/0
-	sgr-07281b41eea355a69	3306	TCP	0.0.0.0/0
-	sar-09e49b7f16c5bd99b	22	TCP	0.0.0.0/0

connect Instance with Your Local Machine

```
ubuntu@ip-172-31-3-192:~$ sudo apt-get update
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 Packages [8628 kB]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu focal/universe Translation-en [5124 kB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 c-n-f Metadata [265 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [144 kB]
```

sudo apt-get update

```
ubuntu@ip-172-31-3-192:~$ sudo apt install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libjansson4 liblua5.2-0 ssl
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser openssl-blacklist
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libjansson4 liblua5
ssl-cert
0 upgraded, 11 newly installed, 0 to remove and 18 not upgraded.
```

sudo apt install apache2

```
ubuntu@ip-172-31-3-192:~$ sudo apt install software-properties-common
Reading package lists... Done
Building dependency tree
Reading state information... Done
software-properties-common is already the newest version (0.99.9.8).
software-properties-common set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 18 not upgraded.
```

sudo apt install software-properties-common

```
ubuntu@ip-172-31-3-192:~$ sudo add-apt-repository ppa:ondrej/php
Co-installable PHP versions: PHP 5.6, PHP 7.x and most requested extensions are included. On Ubuntu releases (https://wiki.ubuntu.com/Releases) are provided, they won't be provided.

Debian oldstable and stable packages are provided as well: https://deb.sury.org/#debian-dpa

You can get more information about the packages at https://deb.sury.org

IMPORTANT: The <foo>-backports is now required on older Ubuntu releases.
```

sudo add-apt-repository ppa:ondrej/php

```
ubuntu@ip-172-31-3-192:~$ sudo apt install php8.1 php8.1-cli php8.1-common php8.1-curl php8.1-gd php8.1-intl php8.1-mbstring php8.1-mysql php8.1-opcache php8.1-readline php8.1-xml php8.1-xsl php8.1-zip php8.1-bz2 libapache2-mod-php8.1 php8.1-bcmath php8.1-soap php8.1-fpm -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1 libgd3 libjpeg-turbo8 libjpeg8 libonig5 libpcre2-8-0 libtiff5 libwebp6 libxpm4 libzip4 php-common
0 upgraded, 16 newly installed, 0 to remove and 0 not upgraded.
```

sudo apt install php8.1 php8.1-cli php8.1-common php8.1-curl php8.1-gd php8.1-intl php8.1-mbstring php8.1-mysql php8.1-opcache php8.1-readline php8.1-xml php8.1-xsl php8.1-zip php8.1-bz2 libapache2-mod-php8.1 php8.1-bcmath php8.1-soap php8.1-fpm -y

```
ubuntu@ip-172-31-3-192:~$ sudo nano /etc/php/8.1/cli/php.ini
```

sudo nano /etc/php/8.1/cli/php.ini

```
GNU nano 4.8 /etc/php/8.1/cli/php.ini

;;;;;;;;;;;;;;;;;;;;;
; Miscellaneous ;
;;;;;;;;;;;;;;;;;;;;;

; Decides whether PHP may expose the fact that it is installed on the server
; (e.g. by adding its signature to the Web server header). It is no security
; threat in any way, but it makes it possible to determine whether you use PHP
; on your server or not.
; https://php.net/expose-php
expose_php = On

;;;;;;;;;;;;;;;;;;;;;
; Resource Limits ;
;;;;;;;;;;;;;;;;;;;;;

; Maximum execution time of each script, in seconds
; https://php.net/max-execution-time
; Note: This directive is hardcoded to 0 for the CLI SAPI
max_execution_time = 1800

; Maximum amount of time each script may spend parsing request data. It's a good
; idea to limit this time on productions servers in order to eliminate unexpectedly
; long running scripts.
; Note: This directive is hardcoded to -1 for the CLI SAPI
; Default Value: -1 (Unlimited)
; Development Value: 60 (60 seconds)
; Production Value: 60 (60 seconds)
; https://php.net/max-input-time
max_input_time = 1800

; Maximum input variable nesting level
```

max_execution_time = 1800

max_input_time = 1800

```
ubuntu@ip-172-31-3-192:~$ sudo nano /etc/php/8.1/apache2/php.ini
```

sudo nano /etc/php/8.1/apache2/php.ini

max_execution_time 1800

max_input_time = 1800

memory_limit = 4G

```
ubuntu@ip-172-31-3-192:~$ cd /opt/
ubuntu@ip-172-31-3-192:/opt$
```

cd /opt

```
ubuntu@ip-172-31-3-192:/opt$ sudo wget https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-7.16.2-amd64.deb
--2023-01-03 10:34:42-- https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-7.16.2-amd64.deb
Resolving artifacts.elastic.co (artifacts.elastic.co)... 34.120.127.130, 2600:1901:0:1d7::
Connecting to artifacts.elastic.co (artifacts.elastic.co)[34.120.127.130]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 343704810 (328M) [binary/octet-stream]
Saving to: 'elasticsearch-7.16.2-amd64.deb'

elasticsearch-7.16.2-amd64.deb      84%[=====] 276.17M  106MB/s
```

sudo wget https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-7.16.2-amd64.deb

```
ubuntu@ip-172-31-3-192:~$ cd /opt/
ubuntu@ip-172-31-3-192:/opt$ sudo wget https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-7.16.2-amd64.deb
--2023-01-03 10:34:42-- https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-7.16.2-amd64.deb
Resolving artifacts.elastic.co (artifacts.elastic.co)... 34.120.127.130, 2600:1901:0:1d7::
Connecting to artifacts.elastic.co (artifacts.elastic.co)[34.120.127.130]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 343704810 (328M) [binary/octet-stream]
Saving to: 'elasticsearch-7.16.2-amd64.deb'

elasticsearch-7.16.2-amd64.deb      100%[=====] 327.78M  105MB/s   in 3.1s

2023-01-03 10:34:45 (105 MB/s) - 'elasticsearch-7.16.2-amd64.deb' saved [343704810/343704810]

ubuntu@ip-172-31-3-192:/opt$ ls
elasticsearch-7.16.2-amd64.deb
ubuntu@ip-172-31-3-192:/opt$
```

ls

```
ubuntu@ip-172-31-3-192:/opt$ ls
elasticsearch-7.16.2-amd64.deb
ubuntu@ip-172-31-3-192:/opt$ sudo dpkg -i elasticsearch-7.16.2-amd64.deb
Selecting previously unselected package elasticsearch.
(Reading database ... 62968 files and directories currently installed.)
Preparing to unpack elasticsearch-7.16.2-amd64.deb ...
Creating elasticsearch group... OK
Creating elasticsearch user... OK
Unpacking elasticsearch (7.16.2) ...
```

sudo dpkg -i elasticsearch-7.16.2-amd64.deb

```
ubuntu@ip-172-31-3-192:/opt$ sudo systemctl start elasticsearch.service
```

sudo systemctl start elasticsearch.service

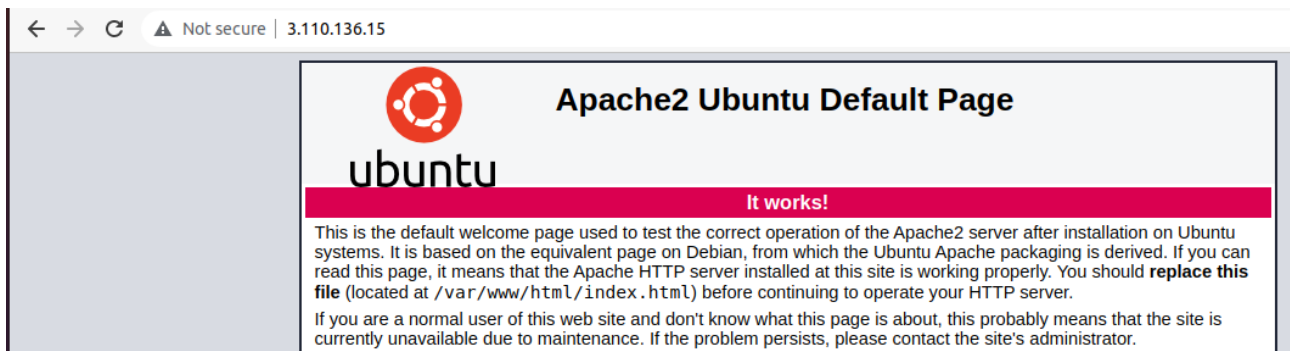
```
ubuntu@ip-172-31-3-192:/opt$ curl -XGET 'http://localhost:9200'
{
  "name" : "ip-172-31-3-192",
  "cluster_name" : "elasticsearch",
  "cluster_uuid" : "C_C6ZqmmS-qMt7DgZlrrGQ",
  "version" : {
    "number" : "7.16.2",
    "build_flavor" : "default",
    "build_type" : "deb",
    "build_hash" : "2b937c44140b6559905130a8650c64dbd0879cfb",
    "build_date" : "2021-12-18T19:42:46.604893745Z",
    "build_snapshot" : false,
    "lucene_version" : "8.10.1",
    "minimum_wire_compatibility_version" : "6.8.0",
    "minimum_index_compatibility_version" : "6.0.0-beta1"
  },
  "tagline" : "You Know, for Search"
}
```

curl -XGET 'http://localhost:9200'

curl

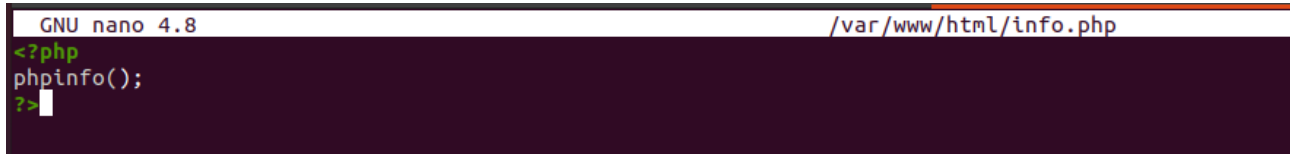
```
ubuntu@ip-172-31-3-192:/opt$ curl ifconfig.me
3.110.136.15ubuntu@ip-172-31-3-192:/opt$
```

ifconfig.me



```
sudo nano /var/www/html/info.php
```

```
var/www/html
```



```
<?php
phpinfo();
?>
```



PHP Version 8.1.13



System	Linux ip-172-31-3-192 5.15.0-1026-aws #30~20.04.2-Ubuntu SMP Fri Nov 25 14:53:22 UTC 2022 x86_64
Build Date	Nov 26 2022 14:07:36
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.1/apache2
Loaded Configuration File	/etc/php/8.1/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/8.1/apache2/conf.d
Additional .ini files parsed	/etc/php/8.1/apache2/conf.d/10-mysqlnd.ini, /etc/php/8.1/apache2/conf.d/10-opcache.ini, /etc/php/8.1/apache2/conf.d/10-pdo.ini, /etc/php/8.1/apache2/conf.d/15-xml.ini, /etc/php/8.1/apache2/conf.d/20-bcmath.ini, /etc/php/8.1/apache2/conf.d/20-bz2.ini, /etc/php/8.1/apache2/conf.d/20-calendar.ini, /etc/php/8.1/apache2/conf.d/20-ctype.ini, /etc/php/8.1/apache2/conf.d/20-curl.ini, /etc/php/8.1/apache2/conf.d/20-dom.ini, /etc/php/8.1/apache2/conf.d/20-exif.ini, /etc/php/8.1/apache2/conf.d/20-ffi.ini, /etc/php/8.1/apache2/conf.d/20-fileinfo.ini, /etc/php/8.1/apache2/conf.d/20-ftp.ini, /etc/php/8.1/apache2/conf.d/20-gettext.ini, /etc/php/8.1/apache2/conf.d/20-iconv.ini, /etc/php/8.1/apache2/conf.d/20-intl.ini, /etc/php/8.1/apache2/conf.d/20-mbstring.ini, /etc/php/8.1/apache2/conf.d/20-mysqli.ini, /etc/php/8.1/apache2/conf.d/20-phar.ini, /etc/php/8.1/apache2/conf.d/20-posix.ini, /etc/php/8.1/apache2/conf.d/20-readline.ini, /etc/php/8.1/apache2/conf.d/20-shmop.ini, /etc/php/8.1/apache2/conf.d/20-simplexml.ini, /etc/php/8.1/apache2/conf.d/20-soap.ini, /etc/php/8.1/apache2/conf.d/20-sockets.ini, /etc/php/8.1/apache2/conf.d/20-sysvmsg.ini, /etc/php/8.1/apache2/conf.d/20-sysvsem.ini, /etc/php/8.1/apache2/conf.d/20-sysvshm.ini, /etc/php/8.1/apache2/conf.d/20-tokenizer.ini, /etc/php/8.1/apache2/conf.d/20-xmlreader.ini, /etc/php/8.1/apache2/conf.d/20-xmlwriter.ini, /etc/php/8.1/apache2/conf.d/20-xsl.ini, /etc/php/8.1/apache2/conf.d/20-zip.ini

install composer

```
ubuntu@ip-172-31-3-192:~$ sudo su
root@ip-172-31-3-192:/home/ubuntu#
```

sudo su

```
ubuntu@ip-172-31-3-192:~$ sudo su
root@ip-172-31-3-192:/home/ubuntu# curl -sS https://getcomposer.org/installer | php -- --install-dir=/usr/local/bin --filename=composer --version=2.1.6
All settings correct for using Composer
Downloading...

Composer (version 2.1.6) successfully installed to: /usr/local/bin/composer
Use it: php /usr/local/bin/composer

root@ip-172-31-3-192:/home/ubuntu#
```

```
curl -sS https://getcomposer.org/installer | php -- --install-dir=/usr/local/bin --filename=composer --version=2.1.6
```

```
ubuntu@ip-172-31-3-192:~$ composer --version
Composer version 2.1.6 2021-08-19 17:11:08
ubuntu@ip-172-31-3-192:~$
```

composer -version

```
ubuntu@ip-172-31-3-192:~$ php /usr/local/bin/composer
```

```
Composer version 2.1.6 2021-08-19 17:11:08
```

```
command [options] [arguments]
```

```

ubuntu@ip-172-31-3-192:~$ cd /var/www/html/
ubuntu@ip-172-31-3-192:~/var/www/html$ sudo wget https://codeload.github.com/magento/magento2/zip/refs/tags/2.4.4
--2023-01-03 10:50:27-- https://codeload.github.com/magento/magento2/zip/refs/tags/2.4.4
Resolving codeload.github.com (codeload.github.com)... 20.207.73.88
Connecting to codeload.github.com (codeload.github.com)[20.207.73.88]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [application/zip]
Saving to: '2.4.4'

2.4.4 [====>] 19.43M 6.93MB/s

```

```
cd /var/www/html
```

```
sudo wget https://codecloud.github.com/magento/magento2/zip/refs/tags/2.4.4
```

```
ubuntu@ip-172-31-3-192:/var/www/html$ ls
```

```
ubuntu@ip-172-31-3-192: /var/www/html$ sudo apt install unzip
Reading package lists... Done
Building dependency tree
Reading state information... Done
Suggested packages:
  zip
```

```
sudo apt install unzip
```

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo unzip 2.4.4
```

```
sudo unzip 2.4.4
```

```
ubuntu@ip-172-31-3-192:/var/www/html$ ls
2.4.4  index.html  info.php  magento2-2.4.4
ubuntu@ip-172-31-3-192:/var/www/html$ sudo rm -rf 2.4.4
ubuntu@ip-172-31-3-192:/var/www/html$ sudo mv magento2-2.4.4/* .
ubuntu@ip-172-31-3-192:/var/www/html$ ls
CHANGELOG.md      LICENSE_AFL.txt  auth.json.sample  dev              info.php          package.json.sample  var
COPYING.txt       README.md        bin               generated        lib               phpserver           vendor
Gruntfile.js.sample  SECURITY.md      composer.json      grunt-config.json.sample  magento2-2.4.4  pub
LICENSE.txt        app              composer.lock      index.html       nginx.conf.sample  setup
ubuntu@ip-172-31-3-192:/var/www/html$
```

Is

```
sudo rm -rf 2.4.4
```

```
sudo mv magento2-2.4.4/* .
```

```
ubuntu@ip-172-31-3-192:~$ sudo apt install mysql-server -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libbcgi-fast-perl libbcgi-pm-perl libencode-locale-perl libevent-core-2.1-7 libevent-pthreads-2
```

```
sudo apt install mysql-server -y
```

```
mysql -version
```



```
sudo mysql -u root -p
alter user 'root'@'localhost' identified with mysql_native_password by 'password';
create database magentodb;
create user 'magentouser'@'%' identified with mysql_native_password by 'password@1';
grant all on magentodb.* to 'magentouser'@'%' with grant option;
flush privileges;
exit;
```

```
ubuntu@ip-172-31-3-192:~$ mysql --version
mysql Ver 8.0.31-0ubuntu0.20.04.2 for Linux on x86_64 ((Ubuntu))
ubuntu@ip-172-31-3-192:~$ sudo mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.31-0ubuntu0.20.04.2 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> alter user 'root'@'localhost' identified with mysql_native_password by 'password';
Query OK, 0 rows affected (0.01 sec)

mysql> create database magentodb;
Query OK, 1 row affected (0.01 sec)

mysql> flush privileges;
Query OK, 0 rows affected (0.00 sec)

mysql> exit;
Bye
```

```
ubuntu@ip-172-31-3-192:~$ sudo apt install phpmyadmin
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
```

```
sudo apt install phpmyadmin
```

Package configuration

Configuring phpmyadmin

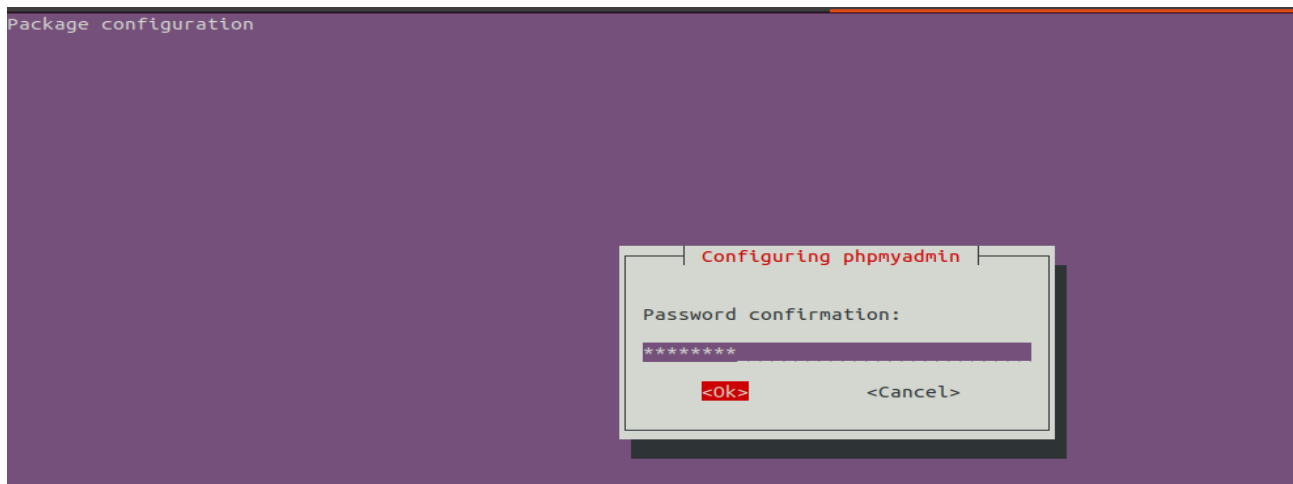
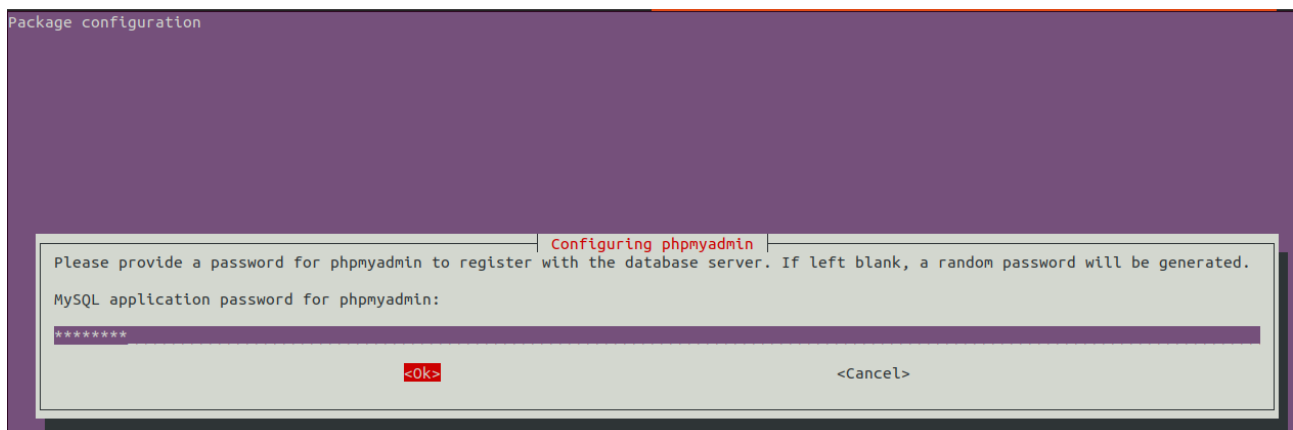
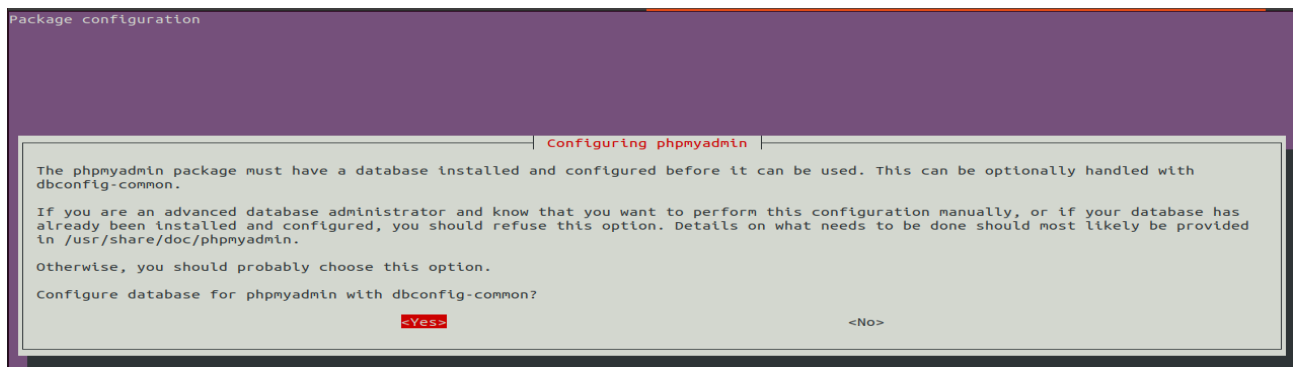
Please choose the web server that should be automatically configured to run phpMyAdmin.

Web server to reconfigure automatically:

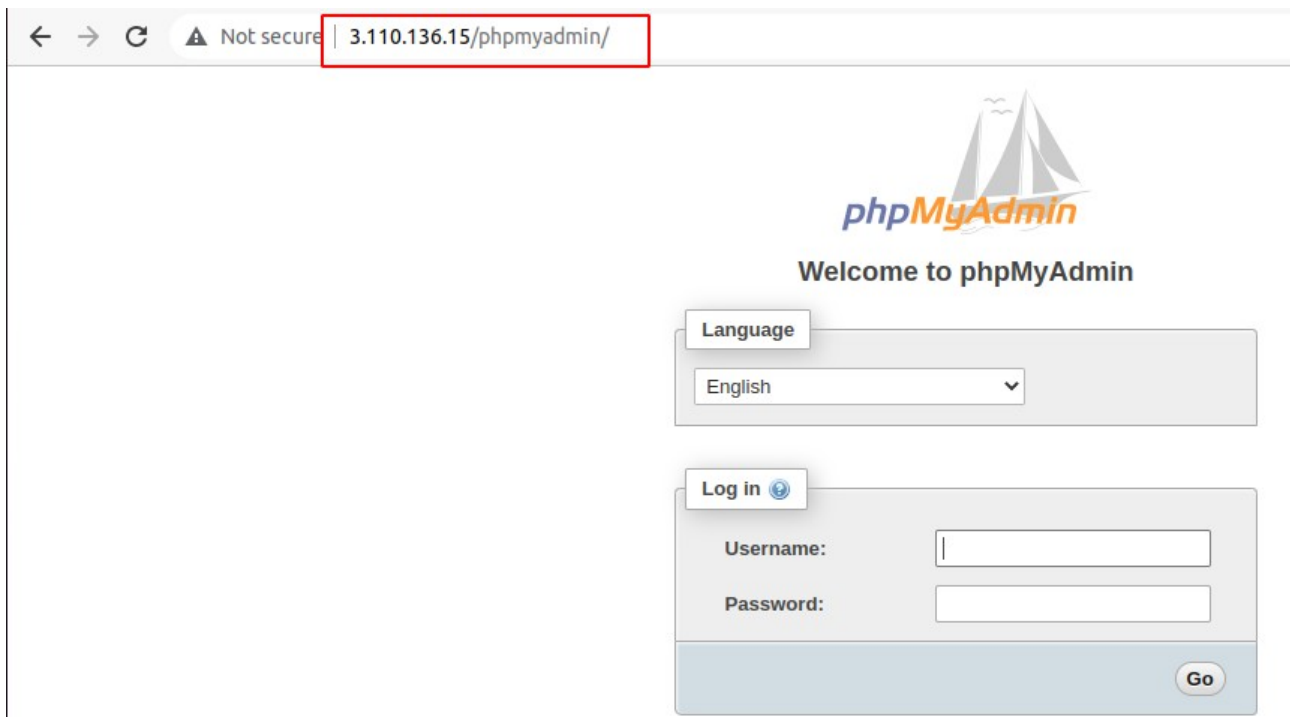
☒ apache2

☐ lighttpd

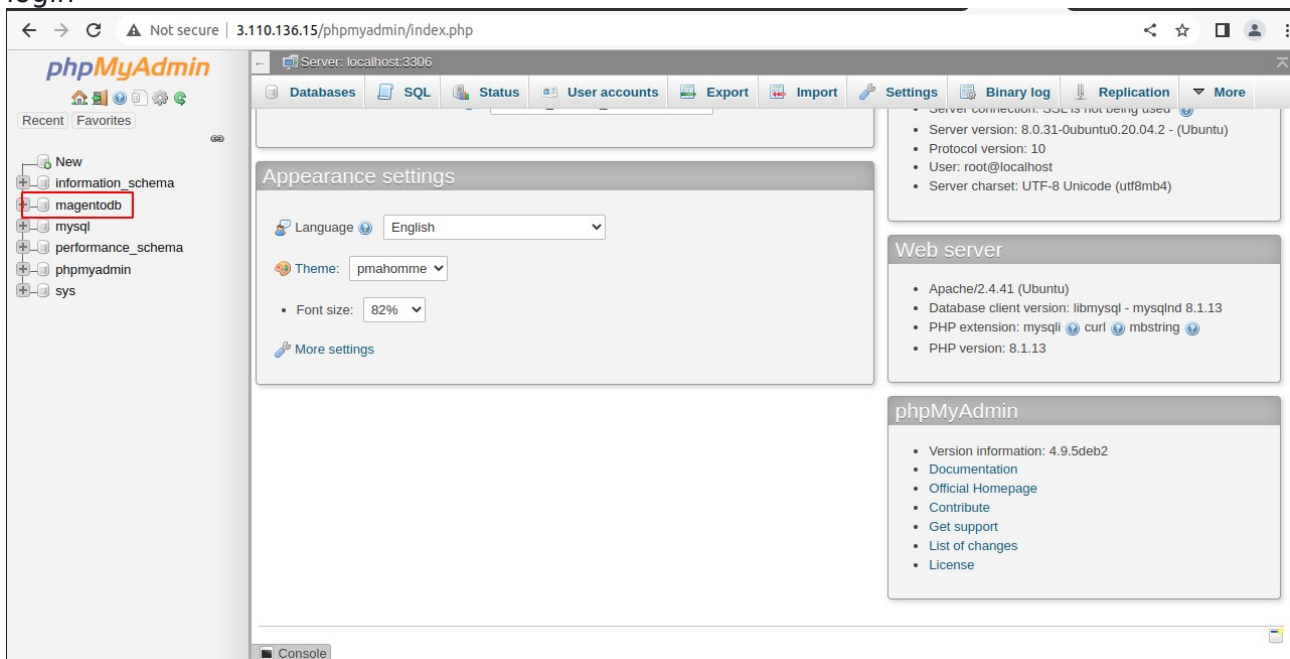
<Ok>



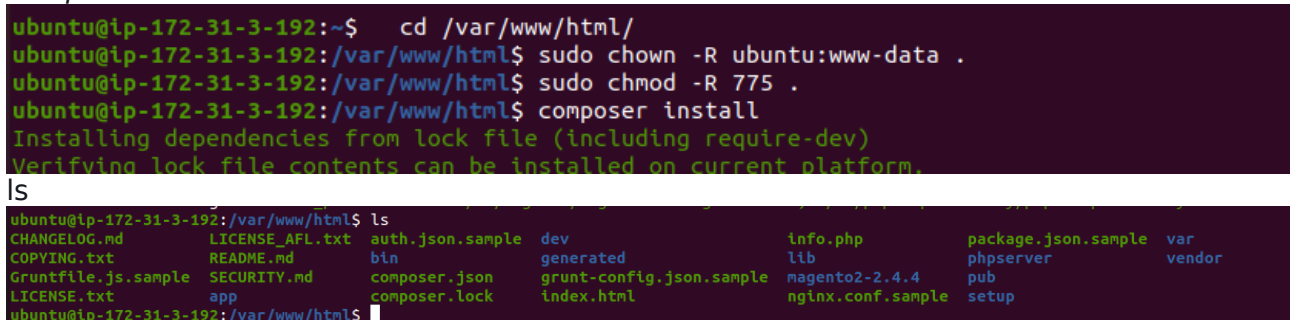
<http://ip/phpmyadmin>



login



```
cd /var/www/html
sudo chown -R ubuntu:www-data .
sudo chmod -R 775 .
composer install
```




```
bin/magento setup:install --base-url=http://ip/ --db-host=localhost --db-name=dbname --db-user=dbuser --db-password=dbpassword --admin-firstname=adminname --admin-lastname=adminlastname --admin-email=adminemail --admin-user=useradmin --admin-password=passwordadmin --language=en_US --currency=USD --timezone=America/Chicago --use-rewrites=1
```

With SSL

```
bin/magento setup:install --base-url=https://ip/ --db-host=localhost --db-name=dbname --db-user=dbuser --db-password=dbpassword --admin-firstname=adminname --admin-lastname=adminlastname --admin-email=adminemail --admin-user=useradmin --admin-password=passwordadmin --language=en_US --currency=USD --timezone=America/Chicago --use-rewrites=1
```

```
ubuntu@ip-172-31-3-192:/var/www/html$ bin/magento setup:install --base-url=http://vishwanathacharya.ink/ --db-host=localhost --db-name=magento --db-user=root --db-password=password --admin-firstname=admin --admin-lastname=admin --admin-email=admin@email.com --admin-user=magentoadmin --admin-password=password@1 --language=en_US --currency=USD --timezone=America/Chicago --use-rewrites=1
Starting Magento installation:
File permissions check...
Progress: 1 / 851]
Required extensions check...
```

change admin url

```
[Progress: 851 / 851]
[SUCCESS]: Magento installation complete.
[SUCCESS]: Magento Admin URI: /admin_18wyaz
Nothing to import.
ubuntu@ip-172-31-3-192:/var/www/html$
```

sudo nano app/etc/env.php

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo nano app/etc/env.php
```

```
GNU nano 4.8 app/etc/env.php
<?php
return [
    'remote_storage' => [
        'driver' => 'file'
    ],
    'queue' => [
        'consumers_wait_for_messages' => 1
    ],
    'backend' => [
        'frontName' => 'admin'
    ],
    'crypt' => [
        'key' => 'aa906d3bbfe5ae8b183fa1fe1b082616'
    ],
    'db' => [
        'table_prefix' => '',
        'connection' => [
            'default' => [
                'host' => 'localhost',
                'dbname' => 'magentodb',
                'username' => 'root',
                'password' => 'password',
                'model' => 'mysql4',
                'engine' => 'innodb',
                'initStatements' => 'SET NAMES utf8;',
                'active' => '1',
                'driver_options' => [
                    1014 => false
                ]
            ]
        ]
    ]
]
```

sudo nano /etc/apache2/sites-enabled/magento.conf

```
GNU nano 4.8 /etc/apache2/sites-enabled/magento.conf
<VirtualHost *:80>
ServerName vishwanathacharya.ink
DocumentRoot /var/www/html/pub

ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

<Directory /var/www/html>
Options FollowSymLinks
AllowOverride All
Require all granted
</Directory>

</VirtualHost>
```

```
<VirtualHost *:80>
ServerName vishwanathacharya.ink
DocumentRoot /var/www/html/pub

ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

<Directory /var/www/html>
Options FollowSymLinks
AllowOverride All
Require all granted
</Directory>

</VirtualHost>
```

```
ubuntu@ip-172-31-3-192:~$ sudo a2dissite 000-default.conf
Site 000-default disabled.
To activate the new configuration, you need to run:
systemctl reload apache2
ubuntu@ip-172-31-3-192:~$
```

```
sudo a2dissite 000-default.conf
ubuntu@ip-172-31-3-192:/var/www/html$ sudo nano app/etc/env.php
ubuntu@ip-172-31-3-192:/var/www/html$ cd
ubuntu@ip-172-31-3-192:~$ sudo nano /etc/apache2/sites-enabled/magento.conf
ubuntu@ip-172-31-3-192:~$ sudo nano /etc/apache2/sites-enabled/magento.conf
ubuntu@ip-172-31-3-192:~$ sudo a2dissite 000-default.conf
Site 000-default disabled.
To activate the new configuration, you need to run:
systemctl reload apache2
ubuntu@ip-172-31-3-192:~$ sudo systemctl reload apache2.service
ubuntu@ip-172-31-3-192:~$
```

```
sudo systemctl reload apache2.service
ubuntu@ip-172-31-3-192:/var/www/html$ find var generated vendor pub/static pub/media app/etc -type f -exec chmod g+w {} +
ubuntu@ip-172-31-3-192:/var/www/html$ find var generated vendor pub/static pub/media app/etc -type d -exec chmod g+ws {} +
ubuntu@ip-172-31-3-192:/var/www/html$ sudo chown -R :www-data .
ubuntu@ip-172-31-3-192:/var/www/html$
```

```
find var generated vendor pub/static pub/media app/etc -type f -exec chmod g+w {} +
find var generated vendor pub/static pub/media app/etc -type d -exec chmod g+ws {} +
sudo chown -R :www-data .
```

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo a2enmod headers
Enabling module headers.
To activate the new configuration, you need to run:
    systemctl restart apache2
ubuntu@ip-172-31-3-192:/var/www/html$
```

sudo a2enmod headers

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo a2enmod rewrite
Enabling module rewrite.
To activate the new configuration, you need to run:
    systemctl restart apache2
ubuntu@ip-172-31-3-192:/var/www/html$
```

sudo a2enmod rewrite

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo a2enmod deflate
Considering dependency filter for deflate:
Module filter already enabled
Module deflate already enabled
ubuntu@ip-172-31-3-192:/var/www/html$
```

sudo a2enmod deflate

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo a2enmod expires
Enabling module expires.
To activate the new configuration, you need to run:
    systemctl restart apache2
ubuntu@ip-172-31-3-192:/var/www/html$
```

sudo a2enmod expires

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo apt update -y
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://ppa.launchpad.net/ondrej/php/ubuntu focal InRelease
Get:5 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
```

sudo apt update -y

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo apt install libapache2-mod-security2
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  liblua5.1-0 libyajl2 modsecurity-crs
Suggested packages:
  lua geoip-database-contrib ruby python
The following NEW packages will be installed:
  libapache2-mod-security2 liblua5.1-0 libyajl2 modsecurity-crs
0 upgraded, 4 newly installed, 0 to remove and 22 not upgraded.
```

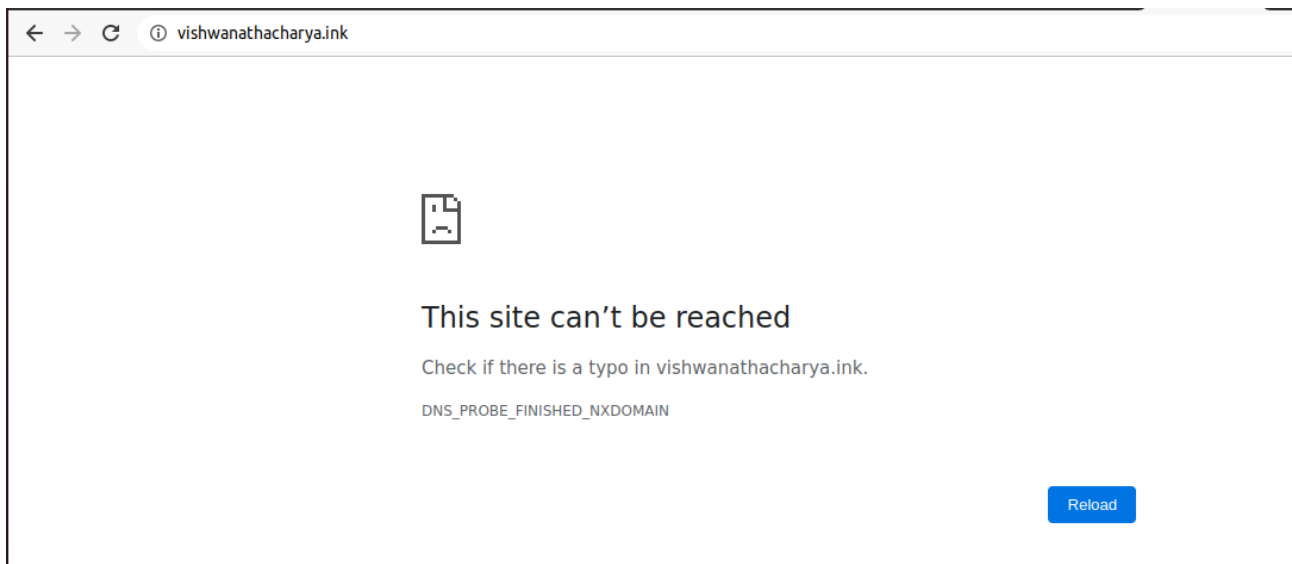
sudo apt install libapache2-mod-security2

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo a2enmod security2
Considering dependency unique_id for security2:
Module unique_id already enabled
Module security2 already enabled
```

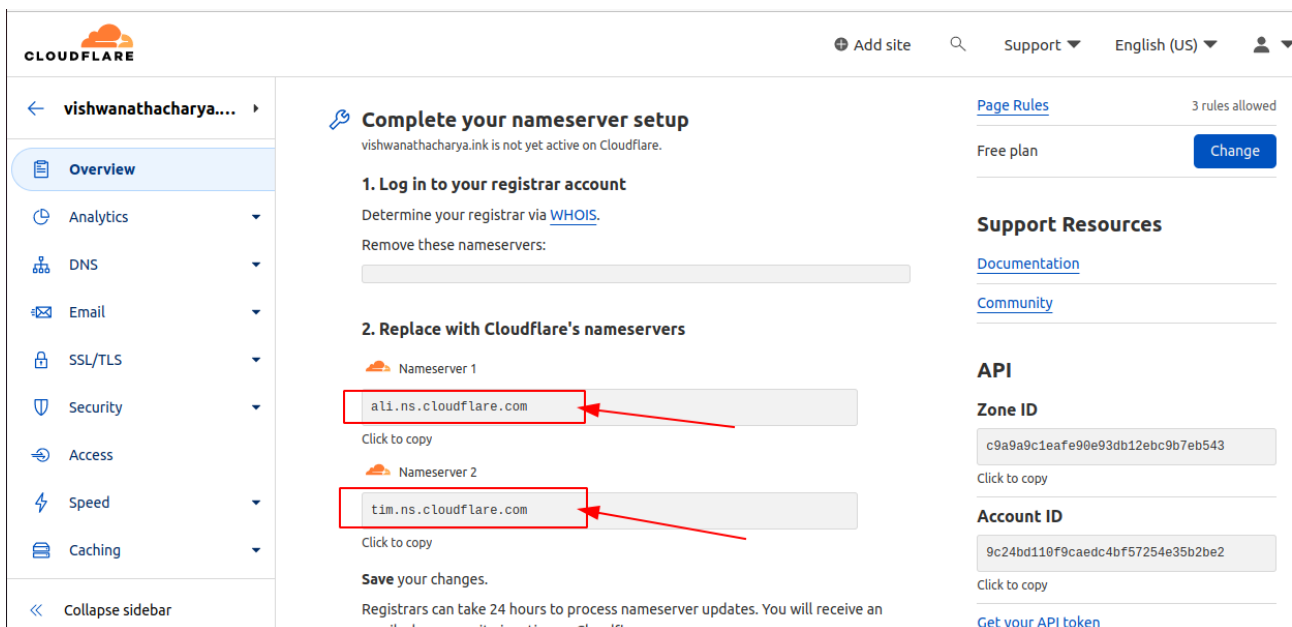
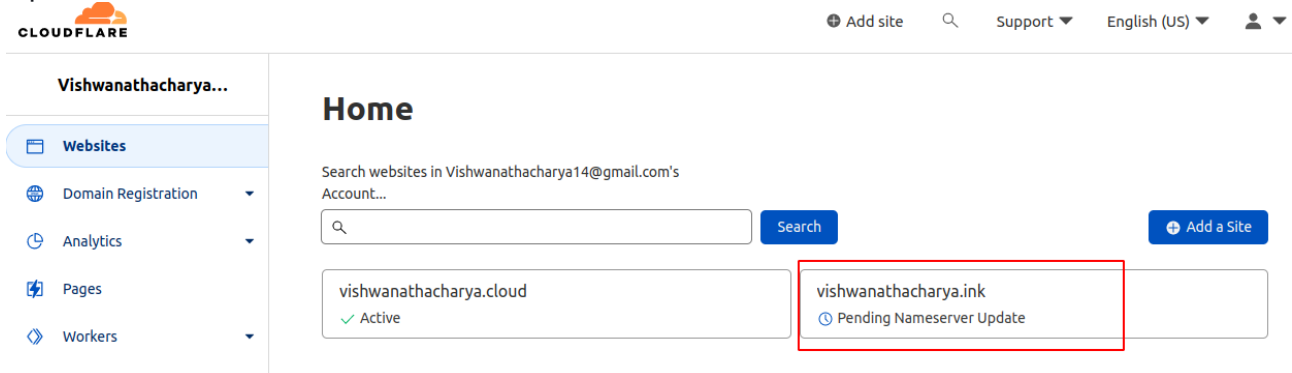
sudo a2enmod security2

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo systemctl reload apache2.service
ubuntu@ip-172-31-3-192:/var/www/html$
```

sudo systemctl reload apache2.service



Open Cloudflare



open your domain hosting website & replace nameserver

EDIT AUTHORITATIVE NAMESERVERS

Enter the nameservers you would like to use for your domain in the text area below. Put one nameserver per line, please.

Please note: although we update your nameservers immediately, this change can take up to 48 hours to propagate due to DNS caching.

[More Information](#)

[Use Our Default Nameservers](#)

all.ns.cloudflare.com
tim.ns.cloudflare.com

step:1

Cancel

step:2

Submit

vishwanathacharya.ink

DNS

2023-11-06

Details ▾

Help

← vishwanathacharya.... ▸

Overview

Analytics ▾

DNS

Records

Settings

Email ▾

SSL/TLS ▾

Security ▾

Access

⏏ Collapse sidebar

once saved.

Search DNS Records

+ Add filter

Q

Search

+ Add record

vishwanathacharya.ink points to 3.110.136.15 and has its traffic proxied through Cloudflare.

Type

Name (required)

Pv4 address (required)

Proxy status

TTL

A ▾

@

3.110.136.15

Proxied

Auto

Use @ for root

Record Attributes [Documentation](#)


The information provided here will not impact DNS record resolution and is only meant for your reference.

Comment

Enter your comment here (up to 50 characters).


Cancel

Save



whatsmydns.net

Global DNS Propagation Checker



PROTE FOR

vishwanathacharya.ink

NS ▾

⚙

🔍 Search

	Kansas City, United States	ali.ns.cloudflare.com	✓
	WholeSale Internet	tim.ns.cloudflare.com	✓
	Dothan AL, United States	ali.ns.cloudflare.com	✓
	Comodo	tim.ns.cloudflare.com	✓
	Miami FL, United States	ali.ns.cloudflare.com	✓
	AT&T	tim.ns.cloudflare.com	✓
	Providence RI, United States	ali.ns.cloudflare.com	✓
	Verizon	tim.ns.cloudflare.com	✓
	Boston MA, United States	ali.ns.cloudflare.com	✓
	Speakeasy	tim.ns.cloudflare.com	✓
	Beaconsfield QC, Canada	ali.ns.cloudflare.com	✓
	PubNIX	tim.ns.cloudflare.com	✓
	Mexico City, Mexico	ali.ns.cloudflare.com	✓
	Total Play	tim.ns.cloudflare.com	✓
	Diadema, Brazil		✗
	Trufer Comercio de Sucatas		
	Paterna de Rivera, Spain	ali.ns.cloudflare.com	✓
	ServiHosting	tim.ns.cloudflare.com	✓
	Manchester, United Kingdom		

DNS Propagation Che


whatsmydns.net lets you insta

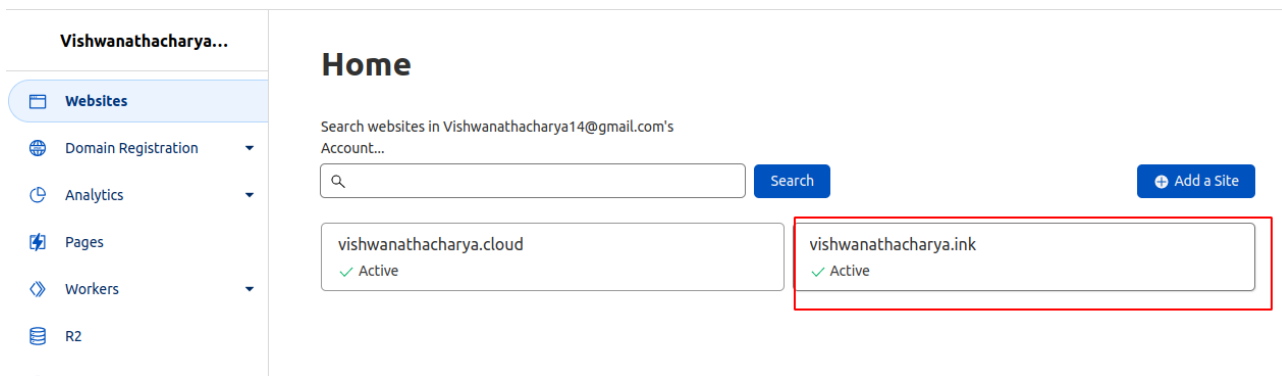
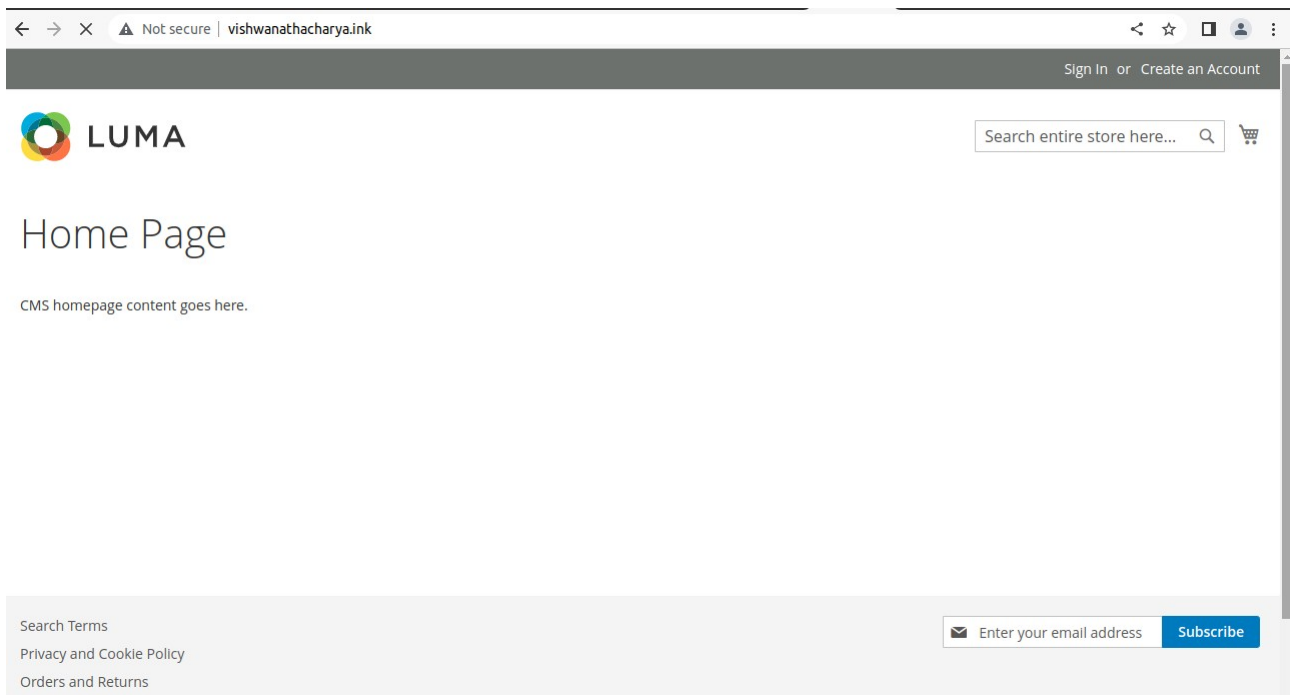
name's current IP address and

nameservers located in differe

BAJAJ FINANCE LIMITED

Our rates





```
ubuntu@ip-172-31-3-192:~$ sudo snap install core; sudo snap refresh core
Download snap "core" (14399) from channel "stable" 2% 2.77MB/s 43.4s
```

sudo snap install core; sudo snap refresh core

```
ubuntu@ip-172-31-3-192:~$ sudo snap install --classic certbot
Download snap "certbot" (2618) from channel "stable" 100% 10.5MB/s 0.0ns
```

sudo snap install --classic certbot

```
ubuntu@ip-172-31-3-192:~$ sudo snap install core; sudo snap refresh core
core 16-2.57.6 from Canonical✓ installed
snap "core" has no updates available
ubuntu@ip-172-31-3-192:~$
ubuntu@ip-172-31-3-192:~$ sudo snap install --classic certbot
certbot 1.32.2 from Certbot Project (certbot-eff✓) installed
ubuntu@ip-172-31-3-192:~$
```

sudo ln -s /snap/bin/certbot /usr/bin/certbot

```
ubuntu@ip-172-31-3-192:~$ sudo ln -s /snap/bin/certbot /usr/bin/certbot
ubuntu@ip-172-31-3-192:~$
```

```

ubuntu@ip-172-31-3-192:~$ sudo certbot --server https://acme-v02.api.letsencrypt.org/directory -d vishwanathacharya.ink -d *.vishwanathacharya.ink --manual --preferred-challenges dns-01 certonly
Saving debug log to /var/log/letsencrypt/letsencrypt.log
Enter email address (used for urgent renewal and security notices)
(Enter 'c' to cancel): vishwanathacharya14@gmail.com

-----
Please read the Terms of Service at
https://letsencrypt.org/documents/LE-SA-v1.3-September-21-2022.pdf. You must
agree in order to register with the ACME server. Do you agree?
(Y)es/(N)o: Y

-----
Would you be willing, once your first certificate is successfully issued, to
share your email address with the Electronic Frontier Foundation, a founding
partner of the Let's Encrypt project and the non-profit organization that
develops Certbot? We'd like to send you email about our work encrypting the web,
EFF news, campaigns, and ways to support digital freedom.
(Y)es/(N)o: Y

-----
Account registered.
Requesting a certificate for vishwanathacharya.ink and *.vishwanathacharya.ink

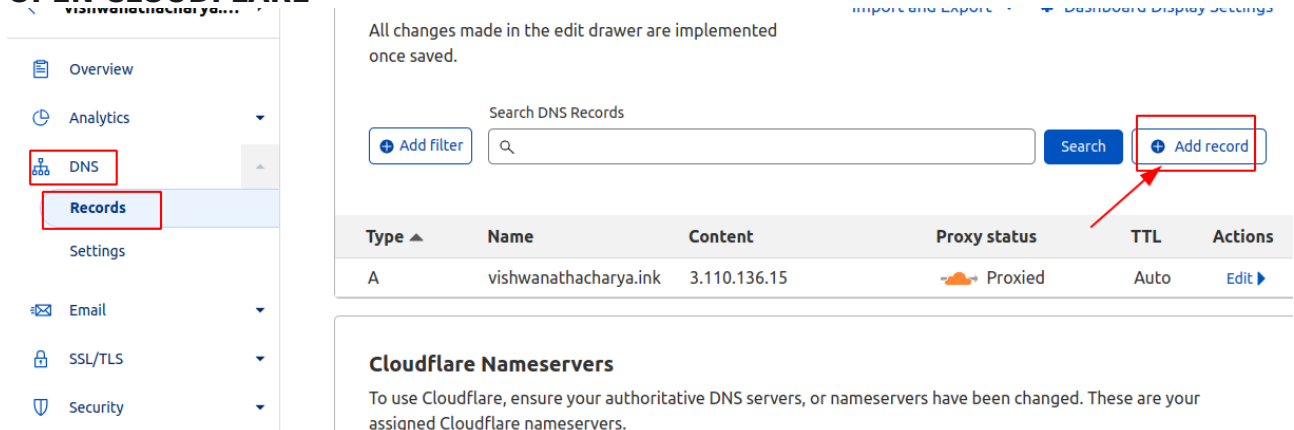
-----
Please deploy a DNS TXT record under the name:
_acme-challenge.vishwanathacharya.ink.
with the following value:
-W93yfK-BNzeoRPEaLylfsRyBausOYJcm76eFLZ7yaI

-----
Press Enter to Continue

```

certbot --server https://acme-v02.api.letsencrypt.org/directory -d vishwanathacharya.ink -d *.vishwanathacharya.ink --manual --preferred-challenges dns-01 certonly

OPEN CLOUDFLARE



All changes made in the edit drawer are implemented once saved.

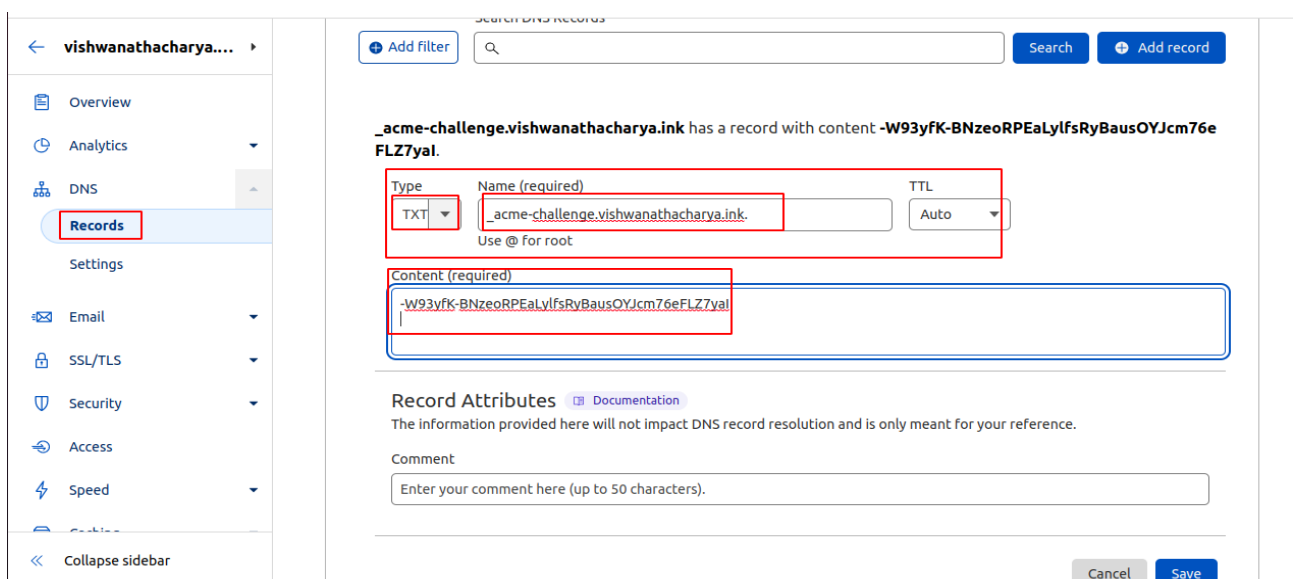
Search DNS Records

[+ Add filter](#) [Search](#) [+ Add record](#)

Type	Name	Content	Proxy status	TTL	Actions
A	vishwanathacharya.ink	3.110.136.15	Proxied	Auto	Edit

Cloudflare Nameservers

To use Cloudflare, ensure your authoritative DNS servers, or nameservers have been changed. These are your assigned Cloudflare nameservers.



Search DNS Records

[+ Add filter](#) [Search](#) [+ Add record](#)

_acme-challenge.vishwanathacharya.ink has a record with content **-W93yfK-BNzeoRPEaLylfsRyBausOYJcm76eFLZ7yaI**.

Type: Name (required): TTL:

Content (required):

Record Attributes

The information provided here will not impact DNS record resolution and is only meant for your reference.

Comment:

[Cancel](#) [Save](#)

```
_acme-challenge.vishwanathacharya.ink.
```

```
with the following value:
```

```
1Xs1N2QN5e4-tDoicevUymrIbG2NDDYDg1yZJUSK90U
```

Before continuing, verify the TXT record has been deployed. Depending on the DNS provider, this may take some time, from a few seconds to multiple minutes. You can check if it has finished deploying with aid of online tools, such as the Google Admin Toolbox: https://toolbox.googleapps.com/apps/dig/#TXT/_acme-challenge.vishwanathacharya.ink. Look for one or more bolded line(s) below the line ';ANSWER'. It should show the value(s) you've just added.

```
-----  
Press Enter to Continue
```

Successfully received certificate.
Certificate is saved at: /etc/letsencrypt/live/vishwanathacharya.ink/fullchain.pem
Key is saved at: /etc/letsencrypt/live/vishwanathacharya.ink/privkey.pem
This certificate expires on 2023-04-03.
These files will be updated when the certificate renews.

NEXT STEPS:

- This certificate will not be renewed automatically. Autorenewal of --manual certificates requires the use of an authentication hook script (--manual-auth-hook) but one was not provided. To renew this certificate, repeat this same certbot command before the certificate's expiry date.

We were unable to subscribe you the EFF mailing list because your e-mail address appears to be invalid. You can try again later by visiting <https://act.eff.org>.

```
-----  
If you like Certbot, please consider supporting our work by:
```

- * Donating to ISRG / Let's Encrypt: <https://letsencrypt.org/donate>
- * Donating to EFF: <https://eff.org/donate-le>

```
-----  
ubuntu@ip-172-31-3-192:~$
```

```
-----  
ubuntu@ip-172-31-3-192:~$ sudo systemctl restart apache2.service
```

```
ubuntu@ip-172-31-3-192:~$  
sudo systemctl restart apache2.service
```

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo bin/magento setup:install --base-url=https://vishwanathacharya.ink/ --db-host=localhost --db-name=magentodb --db-user=root --db-password=password --admin-firstname=admin --admin-lastname=admin --admin-email=admin@email.com --admin-user=magentoadmin --admin-password=password@1 --language=en_US --currency=USD --timezone=America/Chicago --use-rewrites=1  
Starting Magento Installation:  
File permissions check...  
[Progress: 1 / 851]
```

```
sudo bin/magento setup:install --base-url=https://vishwanathacharya.ink/ --db-host=localhost --db-name=magentodb --db-user=root --db-password=password --admin-firstname=admin --admin-lastname=admin --admin-email=admin@email.com --admin-user=magentoadmin --admin-password=password@1 --language=en_US --currency=USD --timezone=America/Chicago --use-rewrites=1
```

```
[Progress: 551 / 851]  
[SUCCESS]: Magento installation complete.  
[SUCCESS]: Magento Admin URI: /admin  
Nothing to import.
```

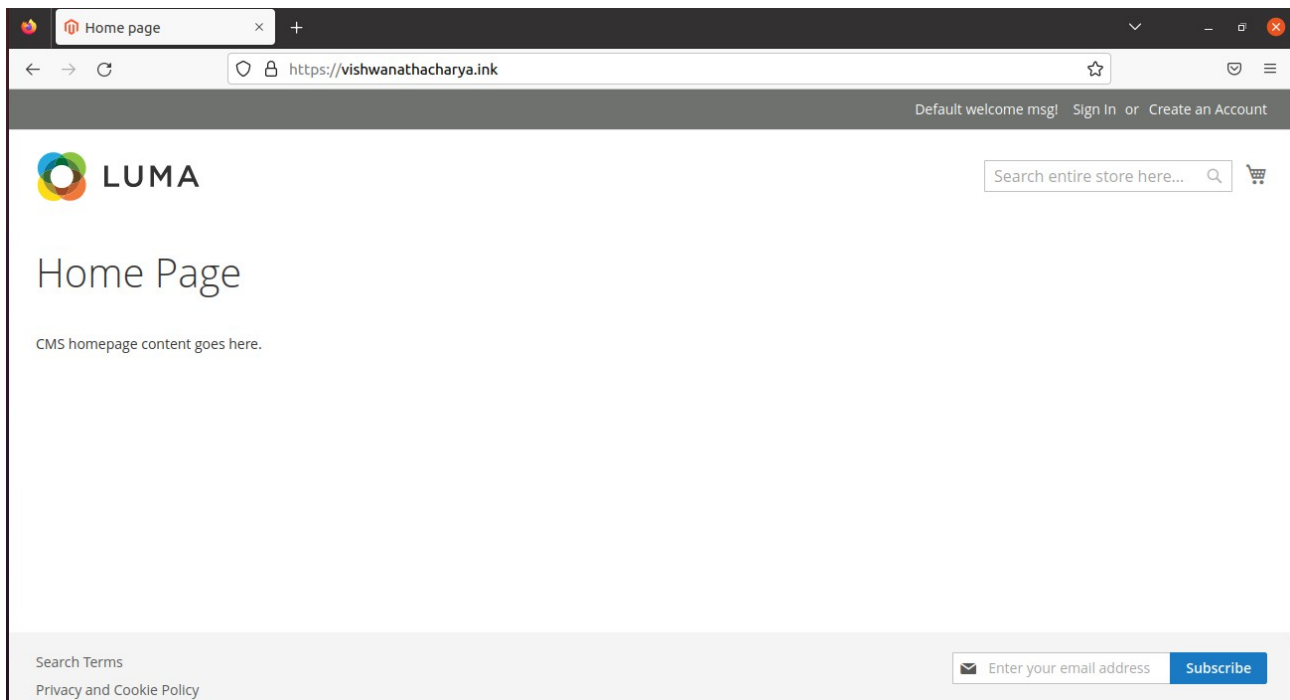
```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo systemctl restart apache2.service
```

```
ubuntu@ip-172-31-3-192:/var/www/html$
```

```
sudo bin/magento setup:upgrade
```

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo bin/magento setup:upgrade  
che types config flushed successfully  
che cleared successfully  
le system cleanup:  
ar/www/html/generated/code/Composer  
ar/www/html/generated/code/Magento  
ar/www/html/generated/code/Psr  
ar/www/html/generated/code/Symfony  
e directory '/var/www/html/generated/metadata/' doesn't exist - skipping cleanup  
ar/www/html/pub/static/frontend
```

```
ubuntu@ip-172-31-3-192:/var/www/html$ sudo chown -R ubuntu:www-data .  
ubuntu@ip-172-31-3-192:/var/www/html$ sudo chmod -R 775 .  
ubuntu@ip-172-31-3-192:/var/www/html$ sudo chmod -R 777 var/ pub/ generated/  
ubuntu@ip-172-31-3-192:/var/www/html$  
ubuntu@ip-172-31-3-192:/var/www/html$ sudo systemctl reload apache2.service  
ubuntu@ip-172-31-3-192:/var/www/html$
```



```
ubuntu@ip-172-31-3-192:~$ sudo certbot --apache
Saving debug log to /var/log/letsencrypt/letsencrypt.log

Which names would you like to activate HTTPS for?
We recommend selecting either all domains, or all domains in a VirtualHost/server block.
-----
1: vishwanathacharya.ink
-----
Select the appropriate numbers separated by commas and/or spaces, or leave input
blank to select all options shown (Enter 'c' to cancel):
Requesting a certificate for vishwanathacharya.ink

Successfully received certificate.
Certificate is saved at: /etc/letsencrypt/live/vishwanathacharya.ink-0001/fullchain.pem
Key is saved at: /etc/letsencrypt/live/vishwanathacharya.ink-0001/privkey.pem
This certificate expires on 2023-04-03.
These files will be updated when the certificate renews.
Certbot has set up a scheduled task to automatically renew this certificate in the background.

Deploying certificate
Successfully deployed certificate for vishwanathacharya.ink to /etc/apache2/sites-enabled/magento-le-ssl.conf
Congratulations! You have successfully enabled HTTPS on https://vishwanathacharya.ink

-----
If you like Certbot, please consider supporting our work by:
* Donating to ISRG / Let's Encrypt: https://letsencrypt.org/donate
* Donating to EFF: https://eff.org/donate-le
-----
```

Add Sample data in Magento

```
ubuntu@ip-172-31-33-6:/var/www$ sudo git clone https://github.com/magento/magento2-sample-data.git
Cloning into 'magento2-sample-data'...
remote: Enumerating objects: 10252, done.
remote: Counting objects: 100% (483/483), done.
remote: Compressing objects: 100% (158/158), done.
remote: Total 10252 (delta 320), reused 442 (delta 290), pack-reused 9769
Receiving objects: 100% (10252/10252), 77.98 MiB | 14.18 MiB/s, done.
Resolving deltas: 100% (5007/5007), done.
ubuntu@ip-172-31-33-6:/var/www$ ls
html magento2-sample-data
cd /var/www/html/
```

sudo git clone <https://github.com/magento/magento2-sample-data.git>

cd /var/www/html/

```
ubuntu@ip-172-31-33-6:/var/www/html$ sudo php -f /var/www/magento2-sample-data/dev/tools/build-sample-data.php -- --ce-source=/var/www/html
All symlinks you can see at files:
/var/www/magento2-sample-data/dev/tools/exclude.log
ubuntu@ip-172-31-33-6:/var/www/html$ sudo chown -R www-data:www-data /var/www/html
```

sudo php -f /var/www/magento2-sample-data/dev/tools/build-sample-data.php --
--ce-source=/var/www/html

sudo chown -R www-data:www-data /var/www/html

```
ubuntu@ip-172-31-33-6:/var/www/html$ sudo php bin/magento setup:upgrade
Cache types config flushed successfully
Cache cleared successfully
File system cleanup:
/var/www/html/generated/code/Composer
/var/www/html/generated/code/Magento
/var/www/html/generated/code/Psr
/var/www/html/generated/code/Symfony
Updating modules:
```

```
ubuntu@ip-172-31-33-6:/var/www/html$ sudo php bin/magento setup:di:compile
Compilation was started.
Plugin list generation... 9/9 [=====] 100% 1 min 354.0 MiB
Generated code and dependency injection configuration successfully.
ubuntu@ip-172-31-33-6:/var/www/html$ sudo php bin/magento setup:db-data:upgrade
Data install/update:
Disabling caches:
Current status:
layout: 0
block_html: 0
full_page: 0
Module 'Magento_AdminAnalytics':
```

```
ubuntu@ip-172-31-33-6:/var/www/html$ sudo php bin/magento setup:static-content:deploy -f
Deploy using quick strategy
frontend/Magento/blank/en_US          1970/1970          ===== 100%    6 secs
adminhtml/Magento/backend/en_US       2018/2018          ===== 100%    5 secs
frontend/Magento/Luma/en_US           1986/1986          ===== 100%    7 secs
Execution time: 24.882698059082
ubuntu@ip-172-31-33-6:/var/www/html$ sudo php bin/magento c:c
Cleaned cache types:
config
layout
block_html
collections
reflection
db_ddl
compiled_config
eav
customer_notification
config_integration
config_integration_data
```

← → ↻ 🔍 https://vishwanathacharya.cloud ☆ 🔔 ☰
 Import bookmarks... Getting Started http://webkul.chatwhi... Certbot Instructions | ...
 Default welcome msg! Sign In or Create an Account



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