

Setup Magento2 on ubuntu22.04

Install Apache2

```
sudo apt update
sudo apt install apache2 -y
```

Install MySQL and create a database user and database for magento2.

```
sudo apt install mysql-server -y
sudo mysql
SELECT user,authentication_string,plugin,host FROM mysql.user;
ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'root';

CREATE USER 'magento2user'@'localhost' IDENTIFIED BY 'Admin123456789';
GRANT ALL PRIVILEGES ON *.* TO 'magento2user'@'localhost' WITH GRANT OPTION;

CREATE DATABASE magento2db;

/q
```

Install PHP 8.1 and required php extensions for magento2

```
sudo apt install php8.1 libapache2-mod-php php-mysql php8.1-mbstring php8.1-xml php8.1-zip

cd /etc/apache2/mods-enabled/
```

```

sudo vim dir.conf
    <IfModule mod_dir.c>
        DirectoryIndex index.php index.cgi index.pl index.html :
    </IfModule>

sudo phpenmod mbstring
sudo a2enmod rewrite

sudo apt install -y php8.1-bcmath php8.1-intl php8.1-soap php8.1-xml

sudo systemctl restart apache2

cd /etc/php/8.1/cli
sudo vim php.ini
    max_execution_time=21000
    max_input_time=3600
    memory_limit=4G

sudo systemctl restart apache2

```

Install openjdk17 (Java) for elasticsearch run on java

```

sudo apt install openjdk-18-jdk

```

Import the GPG Key for Elasticsearch package using the below command

```

sudo curl -sSL https://artifacts.elastic.co/GPG-KEY-elasticsearch
sudo sh -c 'echo "deb https://artifacts.elastic.co/packages/7.x/apt
sudo chmod 666 /etc/apt/trusted.gpg.d/magento.gpg
sudo apt update

sudo apt install elasticsearch -y
sudo systemctl daemon-reload
sudo systemctl restart elasticsearch

```

```
sudo vim /etc/elasticsearch/elasticsearch.yml
```

```
...uncomment the line...
```

```
cluster.name: my-application
```

```
node.name: node-1
```

```
network.host: 127.0.0.1
```

```
http.port: 9200
```

```
sudo vim /usr/lib/systemd/system/elasticsearch.service
```

```
TimeoutStartSec=900
```

check the elasticsearch working or not:

Go to the browser and search -

```
localhost:9200
```

this output show:-

```
cluster_name      "elasticsearch"
cluster_uuid      "TMpafBECTe-klgk1gpegEA"
version
number            "8.15.2"
build_flavor      "default"
build_type        "deb"
build_hash        "98adf7bf6bb69b66ab95b761c9e5aadb0bb059a3"
build_date        "2024-09-19T10:06:03.564235954Z"
build_snapshot    false
lucene_version    "9.11.1"
minimum_wire_compatibility_version "7.17.0"
minimum_index_compatibility_version "7.0.0"
tagline           "You Know, for Search"
```

Install Composer

```
curl -sS https://getcomposer.org/installer -o composer-setup.php
sudo php composer-setup.php --install-dir=/usr/bin --filename=composer

composer
```

Download and Install Magento2

```
cd /var/www/html
sudo composer create-project --repository-url=https://repo.magento.com/magento2 magento2/magento2

Set file permission and run below command:
cd /var/www/html/magento2
sudo find var generated vendor pub/static pub/media app/etc -type f -exec chmod 644 {} \;
sudo find var generated vendor pub/static pub/media app/etc -type d -exec chmod 755 {} \;
sudo chown -R root:www-data .
sudo chmod u+x bin/magento

cd /var/www/html/magento2
sudo php bin/magento setup:install --base-url=http://clouddzire.com
```

Create virtual host

```
cd /etc/apache2/sites-available
sudo vim clouddzire.com.conf

<VirtualHost *:80>
ServerAdmin webmaster@localhost
DocumentRoot /var/www/html/magento2/pub
ServerName clouddzire.com
```

```
ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined
<Directory "/var/www/html">
AllowOverride all
</Directory>
</VirtualHost>

Open hosts file:
sudo vim /etc/hosts
127.0.0.1 clouddzire.com

systemctl restart apache2

sudo a2ensite clouddzire.com.conf

cd /var/www/html/magento2
php bin/magento indexer:reindex && php bin/magento se:up && php
```

Disable Two-factor authentication

How to access

```
http://clouddzire.com

http://clouddzire.com/admin
```