**Installation Process of Magento 2.4.2 in Ubuntu**

**Step 1: Install Apache 2**

**Note:** Run this on the root folder

sudo apt update

sudo apt install apache2

Check status -

sudo systemctl status apache2

or open [http://localhost](about:blank)

Link:<https://www.digitalocean.com/community/tutorials/how-to-install-the-apache-web-server-on-ubuntu-20-04>

**Step 2: Install Composer**

**Note:** Run this on the root folder

sudo apt update

sudo apt install php-cli unzip

cd ~

curl -sS https://getcomposer.org/installer -o composer-setup.php

HASH=`curl -sS <https://composer.github.io/installer.sig>`

echo $HASH

(Output must be code)

php -r "if (hash\_file('SHA384', 'composer-setup.php') === '$HASH') { echo 'Installer verified'; } else { echo 'Installer corrupt'; unlink('composer-setup.php'); } echo PHP\_EOL;"

(Output : Installer verified)

sudo php composer-setup.php --install-dir=/usr/local/bin --filename=composer --version=1.10.17

check - Type composer in the terminal

Link:<https://www.digitalocean.com/community/tutorials/how-to-install-and-use-composer-on-ubuntu-20-04>

**Step 3: Install ElasticSearch**

**Note:** Run this on the root folder

curl -fsSL https://artifacts.elastic.co/GPG-KEY-elasticsearch | sudo apt-key add -

echo "deb https://artifacts.elastic.co/packages/7.x/apt stable main" | sudo tee -a /etc/apt/sources.list.d/elastic-7.x.list

sudo apt update

sudo apt install elasticsearch

Configure ElasticSearch :

sudo nano /etc/elasticsearch/elasticsearch.yml

Find  “network.host” - uncomment that line and change

network.host: 192.128.0.1 to network.host: localhost

Enable ElasticSearch :

sudo systemctl start elasticsearch

sudo systemctl enable elasticsearch

Restart ElasticSearch :

sudo systemctl restart elasticsearch

Test ElasticSearch :

curl -X GET 'http://localhost:9200'

**Step 3: Install PHP**

**Note:** Run this on the root folder

sudo apt-get install software-properties-common

sudo add-apt-repository ppa:ondrej/php

sudo apt-get update

sudo apt-get install -y php7.4

Check - php -v (for version)

**Step 4: Install PHP Packages**

**Note:** Run this on the root folder

sudo apt-get install php7.4-bcmath

sudo apt-get install php7.4-ctype

sudo apt-get install php7.4-curl

sudo apt-get install php7.4-dom

sudo apt-get install php7.4-gd

sudo apt-get install php7.4-hash

sudo apt-get install php7.4-iconv

sudo apt-get install php7.4-intl

sudo apt-get install php7.4-mbstring

sudo apt-get install php7.4-openssl

sudo apt-get install php7.4-mysql

sudo apt-get install php7.4-simplexml

sudo apt-get install php7.4-soap

sudo apt-get install php7.4-xsl

sudo apt-get install php7.4-zip

sudo apt-get install php7.4-libxml

**Step 5: Install MySQL**

**Note:** Run this on the root folder

sudo apt update

sudo apt install mysql-server

sudo mysql\_secure\_installation

Link:<https://www.digitalocean.com/community/tutorials/how-to-install-mysql-on-ubuntu-20-04>

Download Adminer.php for Database UI : <https://www.adminer.org/> and Paste this file in /var/www/html folder

**Step 6: Create an Account in Abode Magento and Generate Username and Password.**

Create an account on this site <https://marketplace.magento.com/> and

check your access keys <https://marketplace.magento.com/customer/accessKeys/>

**The public key will be your username and the Private key will be your password.**

**Please notes the keys.**

**Step 7: Magento2.4.2 Install**

**Note:** Run this on the /var/www/html folder

In /var/www folder run permission command

sudo chmod -R 777 html/

           In html folder run

sudo composer create-project --repository-url=https://repo.magento.com/magento/project-community-edition:2.4.2

Then give permission to **the project-community-edition** folder

sudo chmod -R 777 project-community-edition/

After rename project-community-edition folder to magento

And Run

sudo php bin/magento setup:install --base-url=http://127.0.0.1/magento/ \

--db-host=localhost --db-name=magento2.4.2 --db-user=root --db-password=your\_db\_password \

--admin-firstname=admin --admin-lastname=admin --admin-email=your\_email\_id \

--admin-user=admin --admin-password=Admin@123 --language=en\_US \

--currency=USD --timezone=America/Chicago --use-rewrites=1 \

--search-engine=elasticsearch7 --elasticsearch-host=localhost \

--elasticsearch-port=9200 --backend-frontname=admin

            Check the tables made in the database.

**Note: Link for the important files -** [**https://drive.google.com/drive/folders/1uY14HQYg4-7OzvRQ\_e7I6\_N-pHaGvkns?usp=sharing**](https://drive.google.com/drive/folders/1uY14HQYg4-7OzvRQ_e7I6_N-pHaGvkns?usp=sharing)