

Magento2 installation in MAMP on MacOS

Prerequisites:

- Install MAMP
- Use php version 7.4.21 in MAMP
- Make the user an admin in the user and groups section in Mac and restart the device

Installation

Install homebrew

<https://brew.sh/>

```
/bin/bash -c "$(curl -fsSL
https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

Install elastic search

<https://www.elastic.co/guide/en/elasticsearch/reference/7.17/brew.html>

```
brew tap elastic/tap
brew install elastic/tap/elasticsearch-full
brew services start elasticsearch-full
```

Go to <http://localhost:9200/> or 127.0.0.1:9200/ to check that elastic search is working properly. It should display a JSON object if working properly.

Install composer

<https://getcomposer.org/doc/00-intro.md> Open the following link to download the composer setup file: <https://getcomposer.org/installer>

```
php composer-setup.php --install-dir=bin --filename=composer
```

Check composer installation by typing:

```
composer -v
```

Set PHP path

Open a terminal and type the following command:

```
nano ~/.bash_profile
```

Put the following code inside and save:

```
PATH="/Applications/MAMP/bin/php/php7.4.21/bin:$PATH"
```

Download Magento

Download Magento from either github or the official website

- Move the folder under htdocs and rename it to whatever you want
- We have renamed it to `magento2` for this installation

Install composer In magento root folder

Move to magento root folder in terminal and type:

```
composer install
```

Give yes to all permissions in terminal

Move files from pub to root folder

Move the .htaccess and index.php file from pub to the root magento folder

Edit line 12 in index.php in magento root: From

```
require __DIR__ . '/../app/bootstrap.php';
```

To

```
require __DIR__ . '/app/bootstrap.php';
```

Setup magento database

Go to phpMyAdmin and create a new database called magento2

Final magento installation command

Edit the following command in terminal according to your credentials to setup magento2

```
php -d memory_limit=2G bin/magento setup:install --base-url=http://localhost:8888/magento2 --db-host=127.0.0.1:8889 --db-name=magento2 --db-user=root --db-password=root --admin-firstname=aakar --admin-lastname=mutha --admin-email=mutha.aakar@gmail.com --admin-user=admin --admin-password=admin123 --language=en_US --currency=USD --timezone=America/Chicago --use-rewrites=1 --search-engine=elasticsearch7 --elasticsearch-host=localhost --elasticsearch-port=9200
```

Copy and save the admin link that is displayed for later use

Final SQL Queries

Go to phpMyAdmin, navigate to the magento2 database and execute the following sql:

```
INSERT INTO `core_config_data` (`config_id`, `scope`, `scope_id`, `path`, `value`, `updated_at`) VALUES (NULL, 'default', '0', 'web/secure/base_static_url', 'http://localhost:8888/magento2/pub/static/', current_timestamp());
```

```
INSERT INTO `core_config_data` (`config_id`, `scope`, `scope_id`, `path`, `value`, `updated_at`) VALUES (NULL, 'default', '0', 'web/unsecure/base_static_url', 'http://localhost:8888/magento2/pub/static/', current_timestamp());
```

```
INSERT INTO `core_config_data` (`config_id`, `scope`, `scope_id`, `path`, `value`, `updated_at`) VALUES (NULL, 'default', '0', 'web/secure/base_media_url', 'http://localhost:8888/magento2/pub/media/', current_timestamp());
```

```
INSERT INTO `core_config_data` (`config_id`, `scope`, `scope_id`, `path`, `value`, `updated_at`) VALUES (NULL, 'default', '0', 'web/unsecure/base_media_url', 'http://localhost:8888/magento2/pub/media/', current_timestamp());
```

Now clear cache using:

```
php bin/magento cache:flush
```

Installation Done

- Navigate to <http://localhost:8888/magento2/> to go to the magento home page
- Navigate to <http://localhost:8888/magento2/> to go to the admin page