## Setting Up Docker Containers

1. Navigate to *~/Documents/www/BrandalleyFE/*
2. Extract content of archive in it. The folder structure should be like this (if some folder is missing create it.):-  
     
    ├── BrandalleyFE

│   ├── app

│   │   ├── public

│   │   └── public\_erp

│   ├── build

│   │   ├── ELASTIC.Dockerfile

│   │   ├── keys

│   │   └── PHP.Dockerfile

│   ├── docker-compose.yml

│   ├── nginx.conf

│   └── Readme.txt

1. From ***~/.ssh/*** folder copy **config** file and **private key** to the ***keys*** folder.
   * keys folder should be in build directory as shown above.
   * content of config file should be something like this:-

*Host git-codecommit.\*.amazonaws.com*

*User [USER IDENTIFICATION]*

*IdentityFile ~/.ssh/aws-code-commit-ssh*

1. Run following command from ***BrandalleyFE*** folder

* \* docker-compose up --build
* Please note in case of port conflict update the nginx ports in docker-compose.yml and nginx.conf files.

1. When above command is done open another terminal window and run **docker ps -a** . Following images should be downloaded and should be in running state.
   * brandalleyfe\_elasticsearch
   * nginx:1.19.10
   * brandalleyfe\_php
   * adminer
   * mysql:5.7
2. From browser go to

* 1. http://127.0.0.1:8080/   
    
   \* this is adminer . Default host: mysql user: root password: root  
    
  2. http://127.0.0.1:9200/  
    
   \* This will show you elasticsearch details.

1. If every thing is fine we can stop all containers by ctrl+c from the terminal where we ran build command.
2. Add following to your ***/etc/hosts*** file (optional). # Brandalley Docker 127.0.0.1 erp.brandalley.local 127.0.0.1 fe.brandalley.local

## Installing FE

1. Navigate to ***~/Documents/www/BrandalleyFE/*** and run following command.
   * docker-compose up -d
   * This will silently start our containers.
2. run this to login to php container as www-data user.
   * docker exec -it --user www-data brandalleyfe\_php\_1 /bin/bash
3. Inside php container navigate to
   * cd /home/projects/public/
4. Here run the following commands:
5. Create or Import a database in the mysql.
6. Magento2.4 onwards GUI install is not supported. So we nee to install via CLI. This is a sample setup command. Modify according to your setup:-

php -dmemory\_limit=2G bin/magento setup:install --base-url=http://fe.brandalley.local/ --db-host=brandalleyfe\_mysql\_1 --db-name=fe\_db --db-user=root --db-password=root --admin-firstname=admin --admin-lastname=admin --admin-email=adminaa@admin.com --admin-user=adminaa --admin-password=admin123 --language=en\_GB --currency=GBP --timezone=Europe/London --use-rewrites=1 --backend-frontname="admin" --session-save="db" --search-engine=elasticsearch7 --elasticsearch-host=elasticsearch --elasticsearch-index-prefix=magento2 --es-hosts="elasticsearch:9200"

## Installing ERP

1. Navigate to ***~/Documents/www/BrandalleyFE/*** and run following command.
   * docker-compose up -d >This will silently start our containers.
2. run this to login to php container as www-data user.
   * docker exec -it --user www-data brandalleyfe\_php\_1 /bin/bash
3. Inside php container navigate to
   * cd /home/projects/public\_erp/
4. Here run the following commands:
5. Create or Import a database in the mysql.
6. Magento2.4 onwards GUI install is not supported. So we nee to install via CLI. This is a sample setup command. Modify according to your setup:-

*php -dmemory\_limit=2G bin/magento setup:install --base-url=http://fe.brandalley.local/ --db-host=brandalleyfe\_mysql\_1 --db-name=fe\_db --db-user=root --db-password=root --admin-firstname=admin --admin-lastname=admin --admin-email=adminaa@admin.com --admin-user=adminaa --admin-password=admin123 --language=en\_GB --currency=GBP --timezone=Europe/London --use-rewrites=1 --backend-frontname="admin" --session-save="db" --search-engine=elasticsearch7 --elasticsearch-host=elasticsearch --elasticsearch-index-prefix=magento2 --es-hosts="elasticsearch:9200"*