

La Fresca Administration Manual

This document provides detailed instructions for setting up and running the La Fresca project locally using Docker. Follow the steps below to get a successful local deployment.

Prerequisites

Install Docker

You must have Docker and Docker Compose installed. Follow the instructions below based on your operating system or follow the official docker installation guide. [Link](#)

Windows

1. Download **Docker Desktop** from <https://www.docker.com/products/docker-desktop>.
2. Install Docker Desktop:
 - Run the installer and follow the on-screen instructions.
 - Ensure that **WSL 2** is enabled during installation.
3. Start Docker Desktop and confirm it is running.

macOS

1. Download **Docker Desktop for Mac** from <https://www.docker.com/products/docker-desktop>.
2. Install Docker Desktop:
 - Open the **.dmg** file and drag Docker to your Applications folder.
 - Open Docker from Applications and follow the setup instructions.
3. Verify installation:

```
docker --version
docker-compose --version
```

Ubuntu

1. Set up Docker's apt repository:

```
# Add Docker's official GPG key:
sudo apt-get update
sudo apt-get install ca-certificates curl
sudo install -m 0755 -d /etc/apt/keyrings
sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o
/etc/apt/keyrings/docker.asc
sudo chmod a+r /etc/apt/keyrings/docker.asc

# Add the repository to Apt sources:
echo \
```

```
"deb [arch=$(dpkg --print-architecture) signed-  
by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \  
$(. /etc/os-release && echo "$VERSION_CODENAME") stable" | \  
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null  
sudo apt-get update
```

2. Install the Docker packages.:

```
sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-  
plugin docker-compose-plugin
```

3. Add your user to the Docker group:

```
sudo usermod -aG docker $USER
```

Log out and back in for this change to take effect.

Step 1: Clone the Repositories

1. Clone the **local deployment repository** with all the necessary docker compose files and change to that directory(All the docker instructions should be executed within this directory.):

```
git clone https://github.com/La-Fresca/la-fresca-local-deployment  
cd la-fresca-local-deployment
```

2. Clone the **frontend** repository:

```
git clone https://github.com/La-Fresca/la-fresca-frontend
```

3. Clone the **backend** repository:

```
git clone https://github.com/La-Fresca/la-fresca-backend
```

Step 2: Configure Environment Files

.env in **la-fresca-local-deployment**

1. Copy the **sample.env** file to a **.env** file:

```
cp sample.env .env
```

2. sample `.env` will look as following. This will work below default settings:

```
ME_CONFIG_MONGODB_SERVER="user:1234@mongo"  
ME_CONFIG_BASICAUTH_USERNAME="la-fresca"  
ME_CONFIG_BASICAUTH_PASSWORD="1234"  
ME_CONFIG_SITE_BASEURL=/mongo-express  
MONGODB_USERNAME="user"  
MONGODB_PASSWORD="1234"  
LAFRESCA_DB="mongodb://la-fresca:1234@mongo/LaFresca_DB"
```

Explanation of `.env` Variables

- **ME_CONFIG_MONGODB_SERVER**: Connection string for MongoDB in the format `username:password@host`. This is used by Mongo Express.
- **ME_CONFIG_BASICAUTH_USERNAME**: The username for basic authentication to access Mongo Express.
- **ME_CONFIG_BASICAUTH_PASSWORD**: The password for basic authentication to access Mongo Express.
- **ME_CONFIG_SITE_BASEURL**: The base URL path for accessing Mongo Express. In this case, it will be available at `lafresca.com/mongo-express`.
- **MONGODB_USERNAME** and **MONGODB_PASSWORD**: Credentials for connecting to the MongoDB database.
- **LAFRESCA_DB**: The MongoDB connection string for the La Fresca database.

`.env` in `la-fresca-frontend`

1. Navigate to the `la-fresca-frontend` folder and copy the `sample.env` to a new `.env` file:

```
cp sample.env .env
```

2. Edit `.env` with the following:

```
VITE_API_URL="https://lafresca.com/api"  
VITE_UPLOAD_URL="https://lafresca.com/upload"  
COOKIE_PROTOCOL="https:"
```

Explanation of `.env` Variables

- **VITE_API_URL**: Base URL for the backend API that the frontend will interact with.
- **VITE_UPLOAD_URL**: URL for file uploads.
- **COOKIE_PROTOCOL**: Specifies the protocol (`http` or `https`) for managing cookies securely.

Step 3: Update the Hosts File

Windows

1. Open Notepad as Administrator.
2. Navigate to the hosts file:

```
C:\Windows\System32\drivers\etc\hosts
```

3. Add the following line:

```
127.0.0.1    lafresca.com
```

macOS / Linux

1. Open the terminal and edit the hosts file:

```
sudo nano /etc/hosts
```

2. Add the following line:

```
127.0.0.1    lafresca.com
```

3. Save and exit (**Ctrl+O**, **Enter**, **Ctrl+X**).

Step 4: Start the Application

1. Navigate to the `la-fresca-local-deployment` folder:

```
cd la-fresca-local-deployment
```

2. Start the Docker containers:

```
docker-compose up -d
```

3. Wait until all containers are up and running. You can check the status with:

```
docker ps
```

Step 5: Access the Application

1. Open a browser and navigate to:

```
https://lafresca.com
```

There will be some warnings appear in the browser due to the self signed certificates used by caddy webserver. Please look below in the Notes section for further information.

2. To view the database, go to:

```
https://lafresca.com/mongo-express
```

Use the following credentials for basic authentication:

- **Username:** `la-fresca`
- **Password:** `1234`

3. Default credentials to log in as Super Admin:

- **Email:** `admin@admin.com`
- **Password:** `admin@123`

Notes

- To stop the Docker containers, run:

```
docker-compose down
```

- If you encounter issues, check the logs with:


```
docker-compose logs -f
```

Ignore Self-Signed Certificate Warning

When accessing the application for the first time, your browser may display a security warning due to the self-signed certificate. Follow these steps to proceed:

In Firefox:

1. Click on **Advanced**.
2. Click **Accept the Risk and Continue**.



Warning: Potential Security Risk Ahead

Firefox detected a potential security threat and did not continue to **lafresca.com**. If you visit this site, attackers could try to steal information like your passwords, emails, or credit card details.

What can you do about it?

The issue is most likely with the web site, and there is nothing you can do to resolve it.

If you are on a corporate network or using antivirus software, you can reach out to the support teams for assistance. You can also notify the web site's administrator about the problem.

[Learn more...](#)

Go Back (Recommended)

Advanced...

Someone could be trying to impersonate the site and you should not continue.

Web sites prove their identity via certificates. Firefox does not trust lafresca.com because its certificate issuer is unknown, the certificate is self-signed, or the server is not sending the correct intermediate certificates.

Error code: [SEC_ERROR_UNKNOWN_ISSUER](#)


[View Certificate](#)

Go Back (Recommended)

Accept the Risk and Continue

In Chrome:


- 1. Click on **Advanced**.
- 2. Select **Proceed to unsafe**.



Your connection is not private

Attackers might be trying to steal your information from **lafresca.com** (for example, passwords, messages or credit cards). [Learn more about this warning](#)

NET::ERR_CERT_AUTHORITY_INVALID

 [Turn on enhanced protection](#) to get Chrome's highest level of security

Hide advanced

Back to safety

This server could not prove that it is **lafresca.com**; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker intercepting your connection.

[Proceed to lafresca.com \(unsafe\)](#)