
FLINT-UI

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FLINT-UI is a web application which makes it easier for users to run FLINT Docker and modules easily on their local device or through the [FLINT Cloud API](#).

The main users of the FLINT are scientists, policymakers, forest officers, GIS specialists, developers to name a few. This project provides an easy to use web interface for scientists, policymakers, and forest officers to solve issues around the technical setup and usage of standard FLINT. This project is compatible with the FLINT Cloud API as well, so that the user can manage their FLINT Cloud deployments.

This project also provides a base for governments to build their own application on top of the FLINT. Every government possess a different FLINT implementation, exclusive and custom modules and configuration, and hence the tool can be customised for every module.

INSTALLATION

To set up this project locally, follow the procedure below:

1. Pull the docker image below to run `flint.example`:

```
docker pull shubhamkarande13/flint.example:bionic
```

2. Clone the `FLINT.UI` repository:

When using submodules, the installation code needs to be:

```
git clone --recursive https://github.com/moja-global/flint-ui
```

Or, if you've already initialized the repository without the submodule:

```
git submodule update --init --recursive
```

3. Now get inside the repository directory and build the `docker-compose.yml` file by following the below command:

```
docker-compose up
```

This will build all the docker images inside the `docker-compose.yml` file. It will take some time and after that, you can see all images listed in the Docker app.

`docker-compose.yml` file is composed of three services: `flint.example.api`, `flint.gcbm.api`, and `flint.ui`.

Now you can start all the containers by clicking on the `START` button or using the command `docker-compose up`. You can also use the command `docker start {name of the container}` to start one specific container.

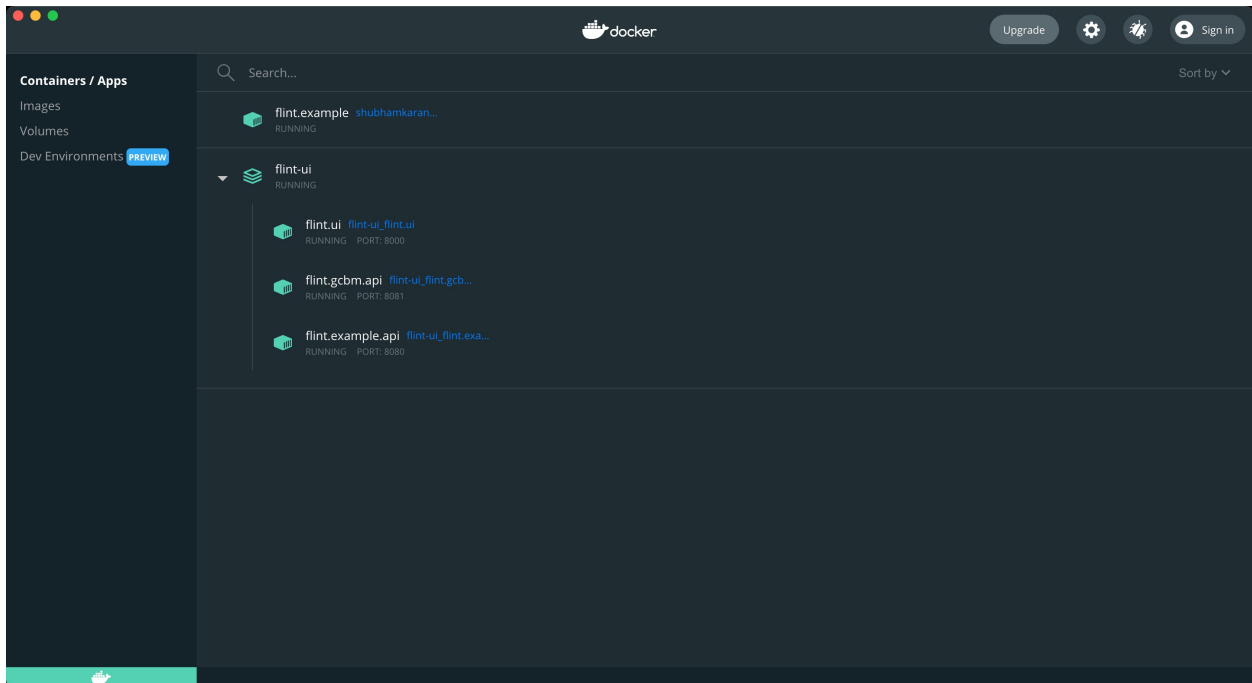
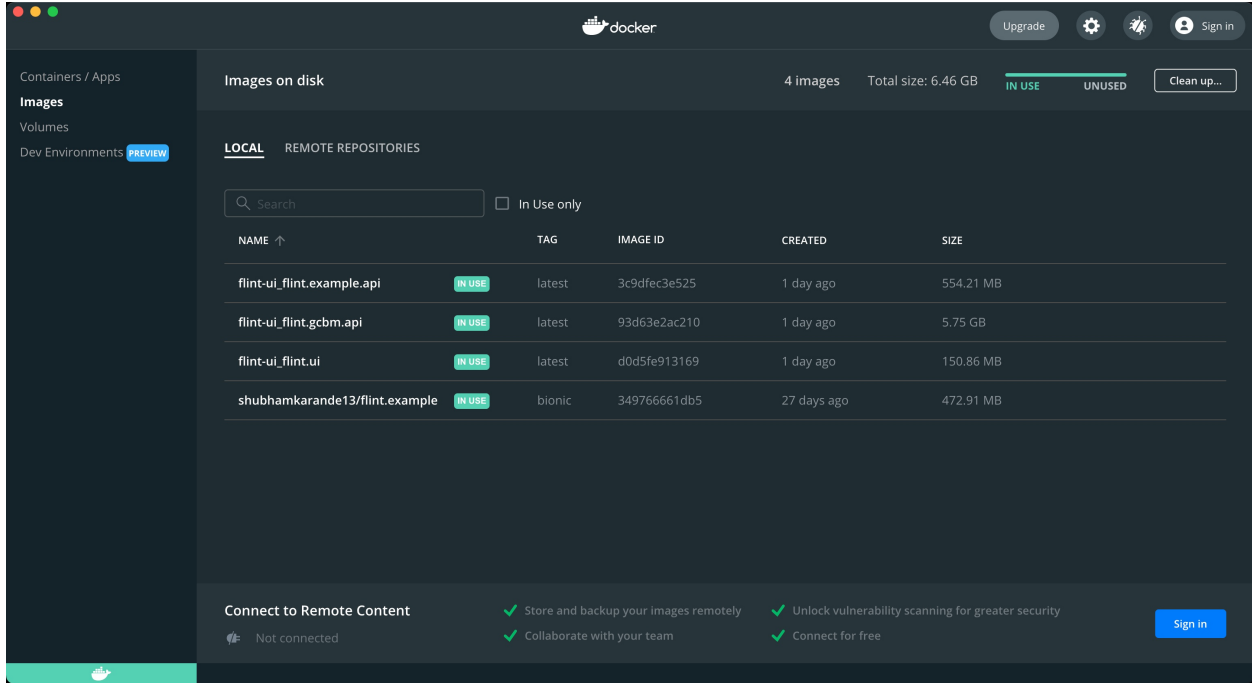
The list of all containers will look like this in the Docker app:

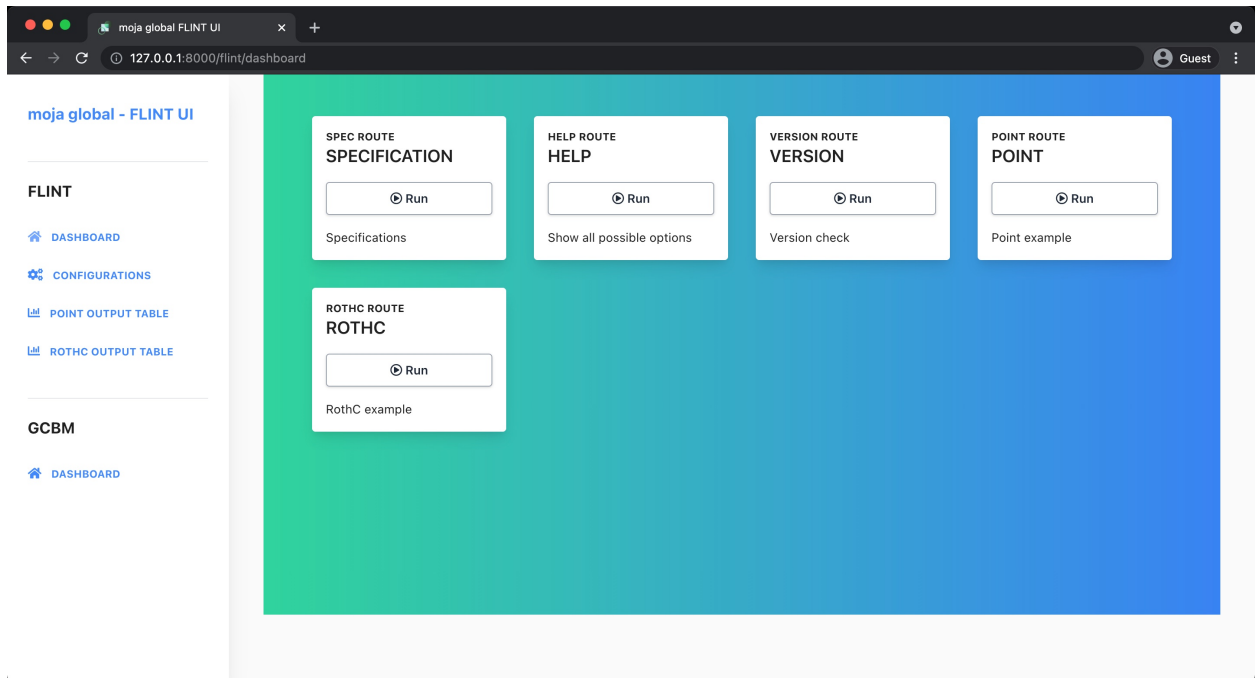
If you want to shut down a specific container, click on the `STOP` button of that specific container in the Docker app. You can also use the command line to stop a specific container by using the command `docker stop {name of the container you want to stop}`.

To shut down the entire `docker-compose.yml` file and all the services inside it, use the command `docker-compose down`.

Note: You can also run `docker-compose.yml` in Detached mode. Detached mode, shown by the option `--detach` or `-d`, means that a Docker container runs in the background of your terminal. It does not receive input or display output. The command for running `docker-compose up` in Detached mode is `docker-compose up -d`.

4. To view the UI, please navigate to <http://127.0.0.1:8000>. It will look something like this:





DEVELOPMENT GUIDE

This documentation is an entry level guide into the architectural disposition of the FLINT UI. Its role is to show the building blocks of the FLINT UI and the rationale behind it. More technical explanations of the source code should be found within the source directory of FLINT UI.

This documentation is strongly related to a series of guides detailing how to *set up* and operate the FLINT UI and develop further on the same. We recommend that you have a look at them as well for a more fuller understanding of the domain.

2.1 Prerequisites

	Prerequisite
1	We need to have sufficient VueJS development skills
2	We need to have sufficient Docker skills

2.2 Outline

	Prerequisite
1	The major design elements that make up the FLINT-UI
2	The functional decomposition of the above elements
3	The execution elements of the functionally decomposed elements
4	The projects's source code organization
5	The long term vision and direction for continuous improvement
6	The logical next areas for improvement

We will explore each of the above concepts in detail in the specific parts of the documentation.