

Quick Start Guide: Local Deployment of the Arabidopsis Web App

This guide walks you through how to run the containerized version of the web application on a new local computer.

1. Download and Install Docker Desktop

Download the Docker Desktop installer that matches your operating system from the official Docker website:

<https://www.docker.com/products/docker-desktop/>

After downloading, run the installer and follow the setup instructions. Once installed, make sure Docker Desktop is running—you should see the Docker icon in your system tray or menu bar.

2. Pull docker container

Use the command below to download the container image from the GitHub Container Registry:

```
docker pull ghcr.io/miguel-abulencia/arabidopsis-reactjs:sha-056d6bb
```

3. Run the docker container

Start the container using the following command:

```
docker run -d -p 3000:80 --name arabidopsis-container ghcr.io/miguel-abulencia/arabidopsis-r
```

- `-d` runs the container in the background
- `-p 3000:80` maps your local port 3000 to the container's port 80
- `--name` gives the container a readable name

4. View the Web App

Once the container is running, open your web browser and navigate to:

<http://localhost:3000>