

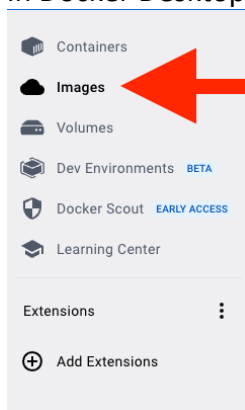
## CoMOLA installation guide (Docker)

### General

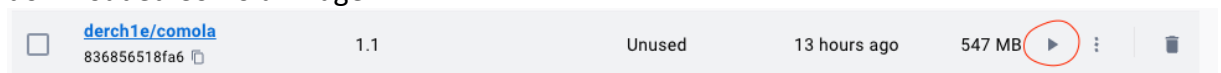
CoMOLA is an optimization tool written in the programming language. It can be coupled with various models – in our case these are written in R. For the purpose of convenience, you don't need to care for distributing package-dependencies or programming languages on your System, since a Docker-Image on Dockerhub for CoMOLA is available. In order to run CoMOLA on your local machine follow the steps in the Setup-Section.

### Setup and Run

1. Download and install docker for your OS – while installing include docker in the PATH (<https://www.docker.com/>)
2. Open Docker Desktop
3. Open CMD/TERMINAL
4. Type `Docker pull derch1e/comola:1.4` and press Enter and wait for the download to complete.
5. In Docker Desktop click on "Images" inside the left navigation bar



6. Mount the image and run the container by clicking the play button of the currently downloaded Comola-Image

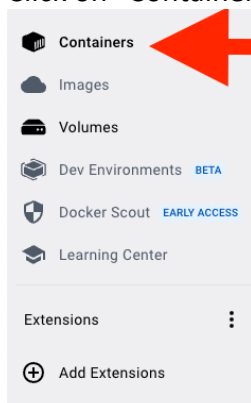


7. Now CoMOLA is up and running with default settings.

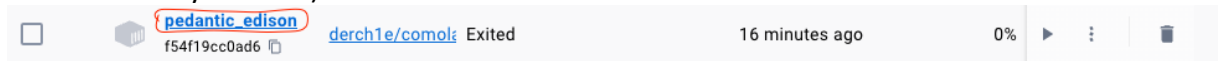
### Set optimization settings

After the first run, you can change the settings of CoMOLA inside the container.

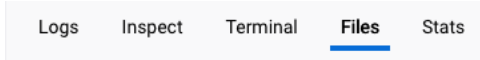
1. Click on "Containers" inside the left navigation bar



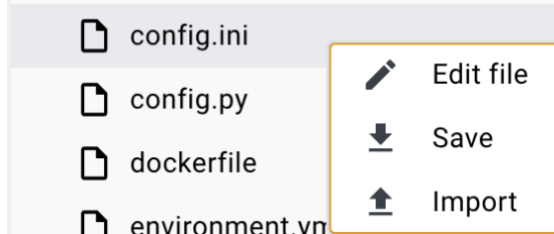
- Click on the created container of the CoMOLA image (The name of the container has been randomly created)



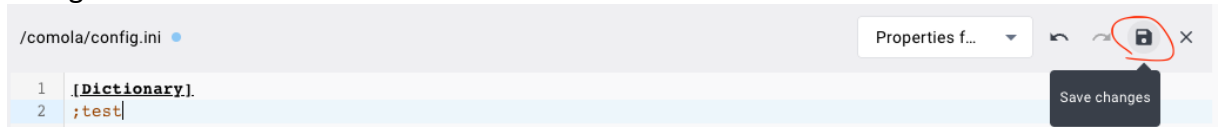
- Click on “Files” on the top navigation bar of the container



- Navigate to the comola-Folder and right-click the config.ini then click “edit file”.



- Edit the desired settings inside the Editor and click on the diskette-icon to save the changes



- Rerun CoMOLA with the applied changes by clicking on the Play-Button on the top-right corner of the Container-Window.

