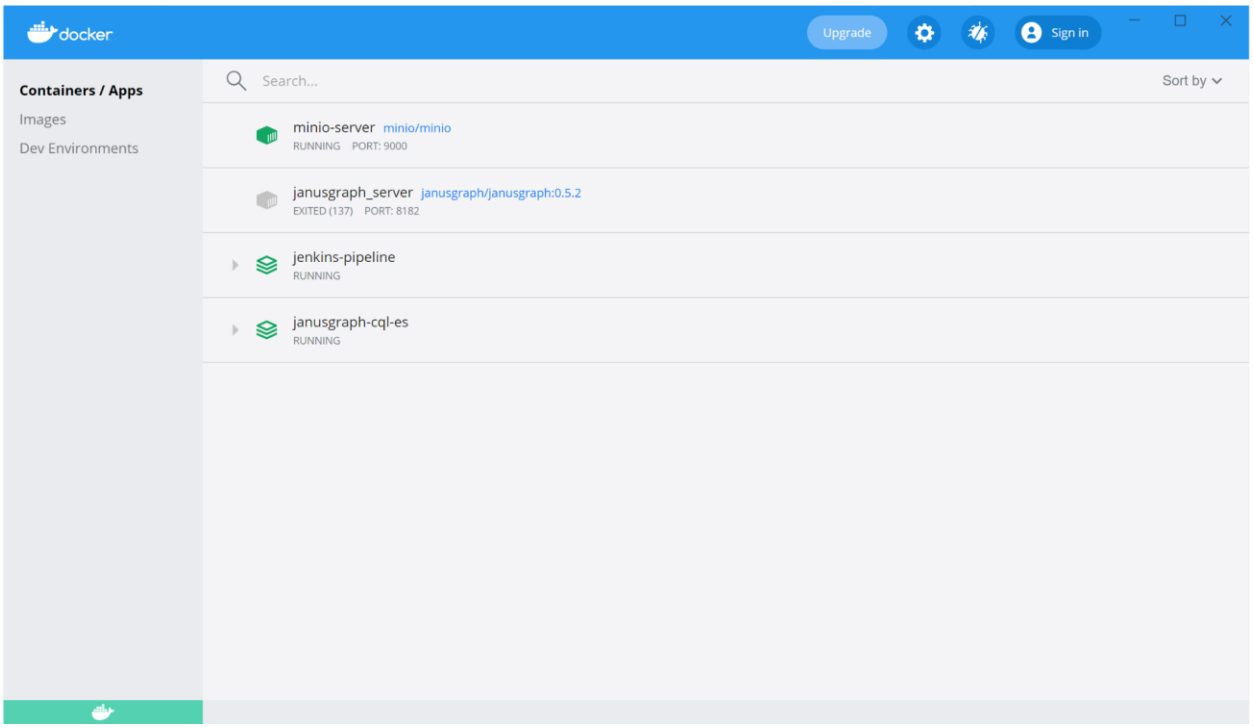
1. Installation of Docker on Windows:

Docker download is here: [Install Docker Desktop on Windows | Docker Documentation]
You **need** WSL2 on Windows (**Windows Subsystem for Linux 2**)

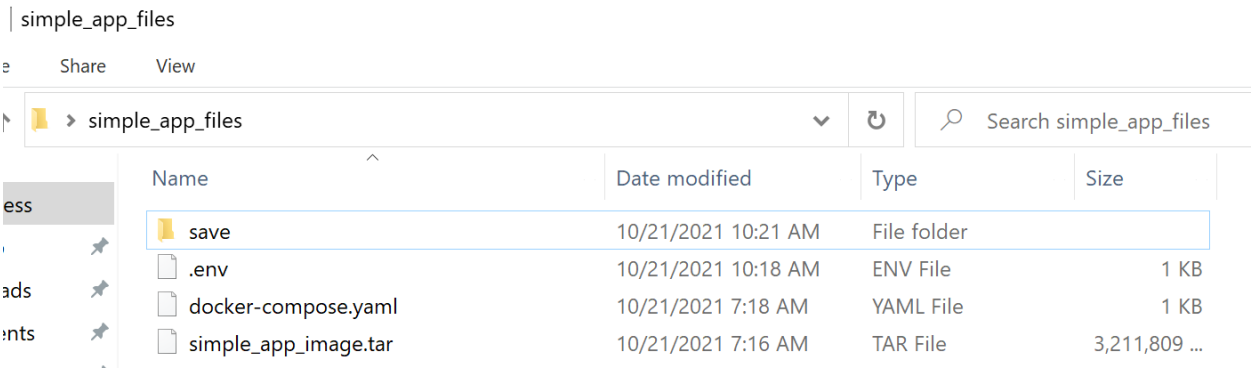
This is possible on Windows 10:
[How to install WSL2 (Windows Subsystem for Linux 2) on Windows 10 • Pureinfotech]

Once both are installed you can use “docker” in cmd and view running containers in Docker for Windows GUI



2. Running the example docker image

   a. Download and unzip simple_app_files:



simple_app_image.tar is the docker image.

docker-compose.yaml is needed to run the image
.env file can be changed to mount “save” folder

b. Load docker image. In cmd run **docker load < simple_app_image.tar**
You should see this output:

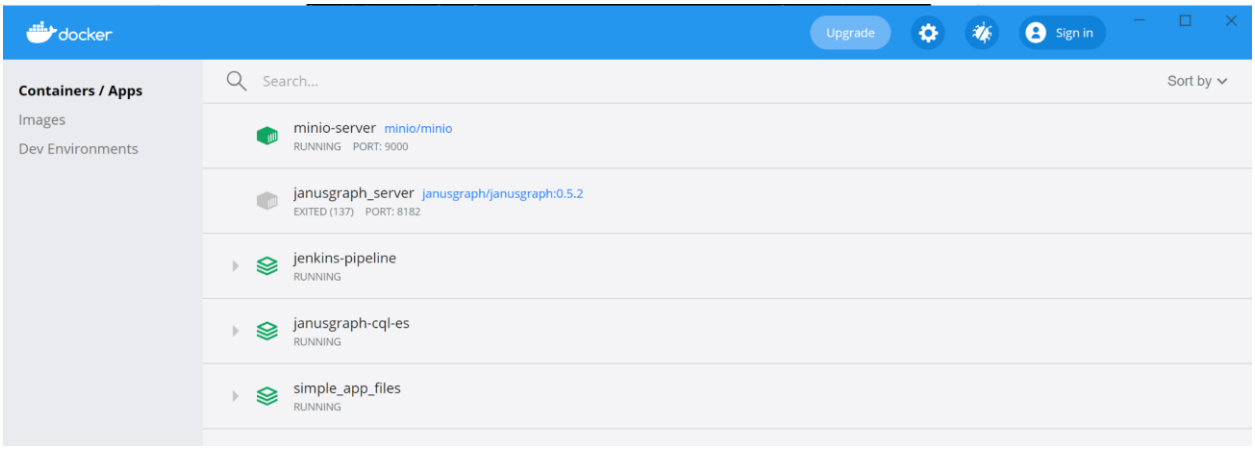
```
43c67172d1d1: Loading layer [==================================================>]  65.57MB/65.57MB
21ec61b65b20: Loading layer [==================================================>]  991.2kB/991.2kB
1d0dfb259f6a: Loading layer [==================================================>]  15.87kB/15.87kB
f55aa0bd26b8: Loading layer [==================================================>]  3.072kB/3.072kB
d464fd09fff6: Loading layer [==================================================>]  38.07MB/38.07MB
9544d313f086: Loading layer [==================================================>]  2.048kB/2.048kB
46824cd17241: Loading layer [==================================================>]  127.8MB/127.8MB
34770a10d86a: Loading layer [==================================================>]  66.71MB/66.71MB
a2f73abb760e: Loading layer [==================================================>]  308.1MB/308.1MB
dd168fc288d5: Loading layer [==================================================>]  4.096kB/4.096kB
04e7796931d0: Loading layer [==================================================>]   2.68GB/2.68GB
cbfca6981914: Loading layer [==================================================>]  4.608kB/4.608kB
0a27dd33560e: Loading layer [==================================================>]   2.56kB/2.56kB
bfa1729a2d00: Loading layer [==================================================>]   2.56kB/2.56kB
47441d77360d: Loading layer [==================================================>]   7.68kB/7.68kB
812ce2729bfe: Loading layer [==================================================>]  1.407MB/1.407MB
a0459e7ad042: Loading layer [==================================================>]   7.68kB/7.68kB
Loaded image: simple_app:0.0
```

c. Update .env file to change LOCAL_DIR variable:
LOCAL_DIR=<*path*>\simple_app_files\save

d. Run the container with docker-compose:
docker-compose -f docker-compose.yaml up -d
You should see this output:
Docker Compose is now in the Docker CLI, try `docker compose up`

Creating network "simple_app_files_default-network" with driver "bridge"
Creating simple_app ... done

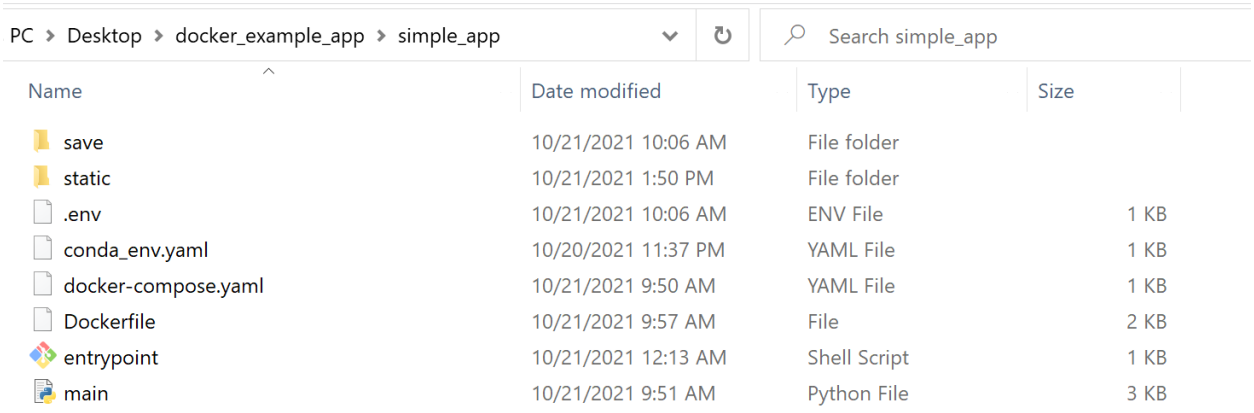
You can see the docker running in the GUI:



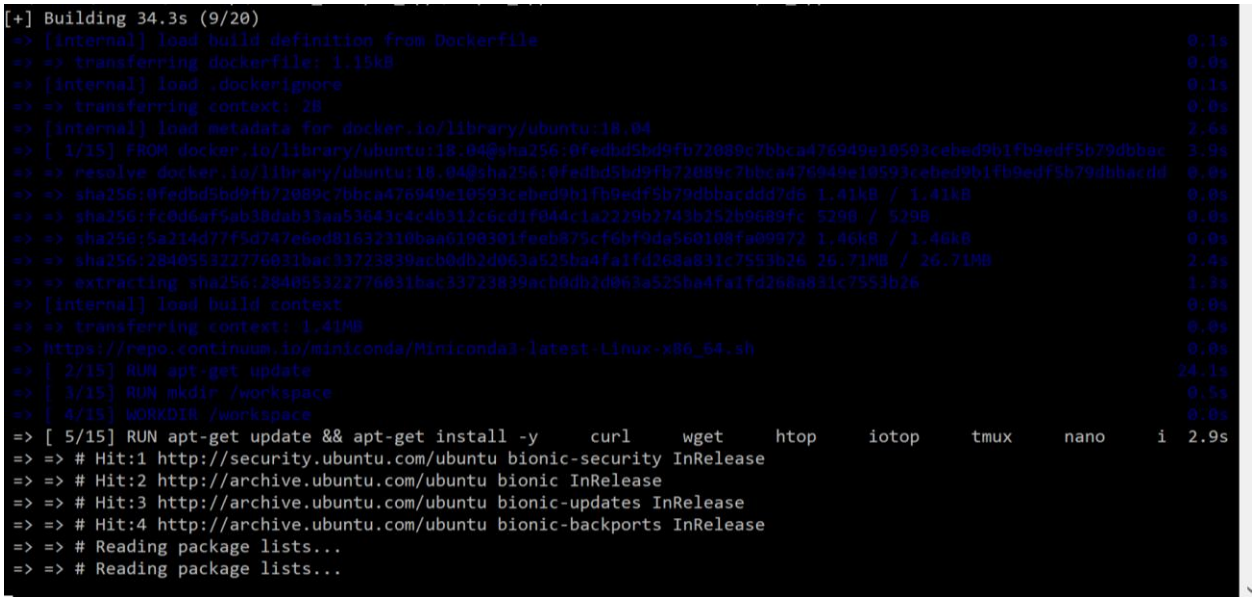
To stop the container run: **docker-compose -f docker-compose.yaml down**

e. Run the app: go to http://localhost:5006/simple_app
f. Pressing “SAVE” will save files to your **mounted** drive

3. Creating docker image:
   a. Unzip docker_example_app.zip and go to simple_app folder:



   b. To build a new docker image run in cmd *from this folder*: **docker build -t simple_app2:0.0 .**



This will take a while to build. The build script is described in **Dockerfile**

To check that the image was built run: **docker images**

<*path*>\Desktop\docker_example_app\simple_app>docker images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
simple_app2	0.0	e4c5ae3f8ad9	43 seconds ago	3.18GB

c. To save image as tar run: **docker save simple_app2:0.0 > simple_app_image2.tar** (this is not necessary if you will be running this locally and not intend to share with others)