

Day 8 Exercises

Exercise 1

Time: 20 mins.

1. Download and install Docker Desktop
2. Start docker desktop
3. Obtain token
4. Login in dashboard

Answer

1. Goto the docker site or follow your instructor indications and install Docker
2. Run Docker Desktop from Windows programs menu
3. run `gpg --generate-key`
4. Review the dashboard, look at the docker containers

Exercise 2

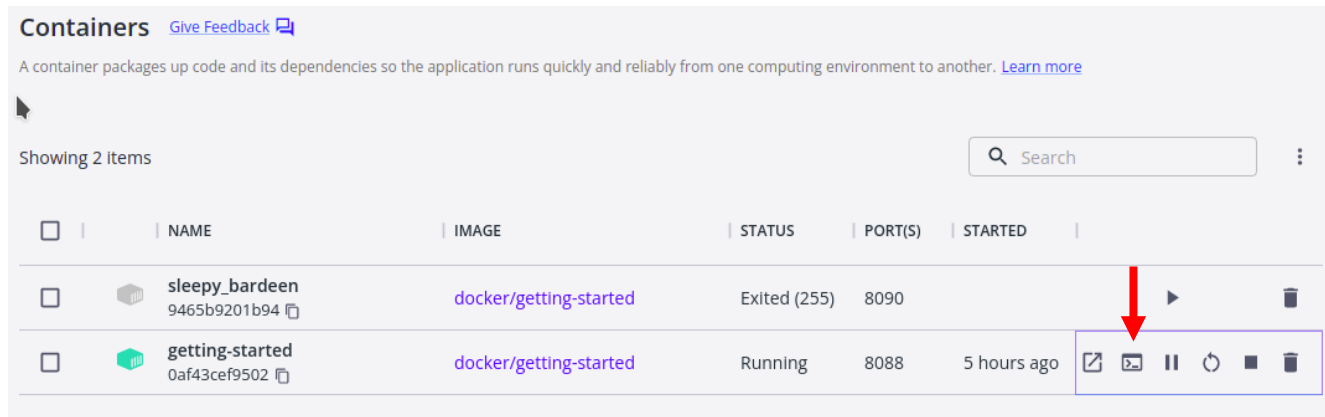
Time: 15 mins.

Creating your first image

1. Download the getting-started image and run it.
2. Connect to the container command line
3. List the web root directory

Answer

```
docker pull getting-started
docker run getting-started
```



```
cd usrshare/nginx/html
ls
```

Exercise 3

Time 15 minutes.

Create a MySQL image with a volume to contain the data

Answer

```
docker pull mysql
```

Create a data directory on a suitable volume on your host system, e.g. `/my/own/datadir`.

Start your `mysql` container like this:

```
$ docker run --name some-mysql -v /my/own/datadir:/var/lib/mysql -e
  MYSQL_ROOT_PASSWORD=my-secret-pw -d mysql:tag
```

The `-v /my/own/datadir:/var/lib/mysql` part of the command mounts the `/my/own/datadir` directory from the underlying host system as `/var/lib/mysql` inside the container, where MySQL by default will write its data files.

Exercise 4

Time 60 mins

Run your docker MySQL and connect to it.

Import the people and batting files.

Test your db with any related query

Stop your container and start it again

try to connect and see if db can be used again

Answer:

All steps are in the exercises of past days or in exercise 3 of this day.