

Demo - first docker image

Organization

- ☐ Create an account on Docker
- ☐ Log in to Docker Hub, and create your first repository
- ☐ Install the Docker application

Create the Image

- ☐ Create a folder, and create a simple application in it

- ☐ Create a Dockerfile, along the lines of:

```
#syntax=docker/dockerfile:1
FROM python:3.8-slim-buster
COPY . .
CMD ["python3", "1.py"]
```

- ☐ Create a docker image by giving it a name (--tag flag) *first_application*:

```
$ docker build --tag first_application .
```

- ☐ Run the image named *first_application* locally:

```
$ docker run first_application.
```

Publish

- ☐ Rename the image so that you can publish it with your Docker Hub repository:

```
$ docker build --t andrzejwodecki/ml_tests:first_application .
```

- ☐ Publish the image to your Docker Hub repository:

```
$ docker push andrzejwodecki/ml_tests:first_application.
```

- ☐ Run the image on another system:

- ☐ install Docker on it.

- ☐ run the container:

```
$ docker run -t andrzejwodecki/ml_tests:first_application.
```

Useful sources

The best source I know of for learning about the Docker system is the official course available at:

<https://docs.docker.com/get-started/>