Docker Workshops

Resources

- Problemen tuur@iswleuven.be
- Docker website
- Download Docker
  - Windows Niet zo stabiel, dus best een Linux VM gebruiken als je dat hebt
  - Mac
  - We hebben ook USB sticks
- Installatie op Linux
  - Instructies op de Docker website
  - Ofwel met dit scriptje in de command line:
    `curl -fsSL get.docker.com -o get-docker.sh && sh get-docker.sh`

Documenten





Commando's

docker images

docker container ls

docker ps

docker ps -aq

docker run hello-world

docker run ubuntu echo ‘Hello World!’

docker run -it ubuntu bash

Dockerfile:

```
FROM ubuntu
RUN echo ‘Setting up…’
```

docker build .

docker build . -t demo:ubuntu

docker run demo:ubuntu

Dockerfile:

```
FROM ubuntu
RUN echo 'Setting up…'
RUN apt update -y && apt upgrade -y
RUN apt install -y cowsay
ENV PATH "$PATH:/usr/games"
RUN echo 'Done.'
```

docker build . -t demo:cow

docker run demo:cow cowsay Hallo

Dockerfile:

```
FROM ubuntu

RUN echo 'Setting up…'

RUN apt update -y && apt upgrade -y

RUN apt install -y cowsay

ENV PATH "$PATH:/usr/games"

COPY say.sh /root/say.sh

RUN echo 'Done.'
```

say.sh:

```
#!/bin/sh
cowsay Hallo
```

chmod +x say.sh

docker build . -t demo:cow-script

docker run demo:cow-script '/root/say.sh'

mkdir html && cd html

nano index.html

Dockerfile:

```
FROM nginx:alpine

RUN echo 'Setting up…'

COPY html /usr/share/nginx/html

RUN echo 'Done.'
```

docker run -p 8080:80 demo:website

-> localhost:8080

docker run -d -p 8080:80 demo:website

docker ps