Übung: Funktionaler Überblick

Docker Container holen und starten

```
In [1]:
                                                                                          M
! docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
Digest: sha256:5f179596a7335398b805f036f7e8561b6f0e32cd30a32f5e19d17a3cda6cc
Status: Image is up to date for hello-world:latest
In [2]:
                                                                                          M
! docker run hello-world
Hello from Docker!
This message shows that your installation appears to be working correctly.
To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent
it
   to your terminal.
To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash
Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/ (https://hub.docker.com/)
```

https://docs.docker.com/get-started/ (https://docs.docker.com/get-started/)

Docker Container starten

For more examples and ideas, visit:

In [3]:

! docker run hairyhenderson/figlet hello-world

Unable to find image 'hairyhenderson/figlet:latest' locally

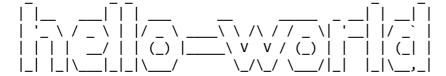
latest: Pulling from hairyhenderson/figlet

201b3a05: Pulling fs layer

Digest: sha256:e930374284180d4219e2143fa1cc6303ca91f177cb257343bfc080d79ff7a

e80

Status: Downloaded newer image for hairyhenderson/figlet:latest



Docker nochmals starten

In [4]:

! docker run hairyhenderson/figlet hallo welt



Docker Images anzeigen

In [5]:

! docker image ls

REPOSITORY TAG IMAGE ID CREATED

SIZE

hairyhenderson/figlet latest 9a14a4f852dc 4 days ago

6.2MB

hello-world latest fce289e99eb9 4 months ago

1.84kB

Docker Container (auch beendete anzeigen)

In [6]: ▶

! docker container ps -a

CONTAINER ID IMAGE COMMAND CREATED

STATUS PORTS NAMES

1e0e1406607a hairyhenderson/figlet "figlet hallo welt" 2 seconds ago Exited (0) 1 second ago compassionate_prosk

ago Exited (0) 1 second ago uriakova

11b1dbfc7905 hairyhenderson/figlet

ago Exited (0) 2 seconds ago

1948ecd5631b hello-world

ago Exited (0) 6 seconds ago

6c345fc260f0 hello-world

o Exited (0) 6 days ago

"figlet hello-world" 4 seconds

serene_antonelli "/hello" 8 seconds

youthful_easley

"/hello" 6 days ag

vigorous_borg

Alle beendeten Container aufräumen

In [7]: ▶

! docker container prune -f

Deleted Containers:

1e0e1406607a5b3db1e95996ceaaf9e68124cde1720db3166ba99d9465d4aaa4 11b1dbfc79058f79c2d55ff190bace93102290096117304031398fe73fe8f1f3 1948ecd5631ba5ee8b39d802f4ae1986ec5b134bde88d31fe62bbc702ca73402 6c345fc260f07eca531ce324df3d8f9a3a81a3422d4b7faebb7d01248f988686

Total reclaimed space: 0B

Docker Container dürfen keine mehr vorhanden sein

In [8]: ▶

! docker container ps -a

CONTAINER ID IMAGE COMMAND CREATED

STATUS PORTS NAMES

Docker Images sind alle noch vorhanden

In [9]: ▶

! docker image ls

REPOSITORY TAG IMAGE ID CREATED

SIZE

hairyhenderson/figlet latest 9a14a4f852dc 4 days ago

6.2MB

hello-world latest fce289e99eb9 4 months ago

1.84kB