

Übung: Insecure Registry

Startet eine lokale Registry und legt ein Image darin ab.

Zuerst Ausgabe der Hilfeinformationen zur Registry, damit wir die Funktionen kennen

```
In [1]: ! docker container run --rm registry:2.6 --help
```

```
Unable to find image 'registry:2.6' locally
2.6: Pulling from library/registry
```

```
36221ed0: Pulling fs layer
e0bb44df: Pulling fs layer
1d2b6839: Pulling fs layer
02bbc165: Pulling fs layer
Digest: sha256:ab6985c07744c69c4d4197cf73f5049f9c4c91c49c866c459efdf44d952a0438
Status: Downloaded newer image for registry:2.6
`registry`
```

Usage:

```
registry [flags]
registry [command]
```

Available Commands:

```
serve           `serve` stores and distributes Docker images
garbage-collect `garbage-collect` deletes layers not referenced by any manifests
help            Help about any command
```

Flags:

```
-h, --help=false: help for registry
-v, --version=false: show the version and exit
```

Use "registry help [command]" for more information about a command.

Starten der Insecure Registry

```
In [2]: ! docker run -d -p 5000:5000 --restart always --name registry registry:2.6
```

```
bee90921ba4e65fff31473cba517e050ed41825737db979d2327b468b4283e7a
```

Ausgabe der Registry Konfiguration

```
In [3]: ! docker exec registry cat /etc/docker/registry/config.yml
```

```
version: 0.1
log:
  fields:
    service: registry
storage:
  cache:
    blobdescriptor: inmemory
  filesystem:
    rootdirectory: /var/lib/registry
http:
  addr: :5000
  headers:
    X-Content-Type-Options: [nosniff]
health:
  storagedriver:
    enabled: true
    interval: 10s
    threshold: 3
```

Image in lokaler Registry ablegen und Resultat mittels `docker image ls` überprüfen

```
In [4]: ! docker pull ubuntu
! docker tag ubuntu localhost:5000/ubuntu
! docker push localhost:5000/ubuntu
! docker image ls
```

Using default tag: latest

latest: Pulling from library/ubuntu

Digest: sha256:70fc21e832af32eeec9b0161a805c08f6dddf64d341748379de9a527c01b6ca1

Status: Image is up to date for ubuntu:latest

The push refers to repository [localhost:5000/ubuntu]

ded5319c: Preparing

c4ea5da6: Preparing

a98c48bc: Preparing

bde1a4c8: Pushed 104.2MB/101.7MB latest: digest: sha256:ab6cb8de3ad7bb33e2534677f865008535427390b117d7939193f8d1a6613e34 size: 1150

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
mysql	latest	15533ba2c2ab	3 minutes ago	337MB
hairyhenderson/figlet	latest	9a14a4f852dc	4 days ago	6.2MB
ubuntu	14.04	65613486b3ef	2 weeks ago	188MB
ubuntu	latest	d131e0fa2585	2 weeks ago	102MB
localhost:5000/ubuntu	latest	d131e0fa2585	2 weeks ago	102MB
registry	2.6	d5ef411ad932	2 months ago	28.5MB
postgres	latest	30bf4f039abe	2 months ago	312MB
hello-world	latest	fce289e99eb9	4 months ago	1.84kB

Beide Images weglöschen, Resultat überprüfen und Image wieder aus lokaler Registry holen

```
In [5]: ! docker rmi ubuntu localhost:5000/ubuntu
! docker image ls
! docker pull localhost:5000/ubuntu
! docker image ls
```

```
Untagged: ubuntu:latest
Untagged: ubuntu@sha256:70fc21e832af32eeec9b0161a805c08f6dddf64d341748379de9a527c01b6ca1
Untagged: localhost:5000/ubuntu:latest
Untagged: localhost:5000/ubuntu@sha256:ab6cb8de3ad7bb33e2534677f865008535427390b117d7939193f8d1a6613e34
Deleted: sha256:d131e0fa2585a7efbfb187f70d648aa50e251d9d3b7031edf4730ca6154e221e
Deleted: sha256:c59a62c2bba8db73ca8b8847baa7fa77e4d573f38e57d69592a9716f9fa075c4
Deleted: sha256:a4eb6208f601c2f32e043972b9fa8e813767aef2e60676e91796cabf8a0afdc4
Deleted: sha256:a14c708b62677e8acfb75ac873147e71dd26aa7bf75a8b63b3408e0826b174dc
Deleted: sha256:604cbde1a4c8fee1b102f8b64d4f41e62d770b5f8a6b06fb809cfd873a2643c3
```

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```
Using default tag: latest
latest: Pulling from ubuntu
```

```
d66f5408: Pulling fs layer
c27f669e: Pulling fs layer
21273955: Pulling fs layer
Digest: sha256:ab6cb8de3ad7bb33e2534677f865008535427390b117d7939193f8d1a6613e34
Status: Downloaded newer image for localhost:5000/ubuntu:latest
```

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