Section 4. „Review of Local Registry Technologies”

Links:

https://github.com/docker/distribution/blob/master/cmd/registry/config-example.yml

https://github.com/pythonincontainers/local-registry

https://joxit.dev/docker-registry-ui/

Commands:

```
$ github clone https://github.com/pythonincontainers/local-registry

$ cd local-registry

$ atom .

$ docker run -d -p 5551:5000 --restart always --name registry-local registry:2

$ docker build -t myregistry:gui -f Dockerfile.registry-gui .

$ docker run -d --name registry-local --restart always -p 5551:5551 myregistry:gui

$ docker logs registry-local

$ docker tag factors_flask:cython-multi localhost:5551/factors_flask:multi

$ docker push locahost:5551/factors_flask:multi

$ docker run -d --name registry-ui -p 8880:80 -e URL=http://localhost:5551 -e DELETE_IMAGES=true joxit/docker-registry-ui:static

$ docker build -t myregistry:cache -f Dockerfile.hub-mirror .

$ docker run -d --name registry-cache -p 5552:5552 --restart always myregistry:cache

$ docker logs registry-cache
```

```
$ docker-machine create --engine-registry-mirror
http://192.168.1.175:5552 --engine-insecure-registry
http://192.168.1.175:5551 docker1 # update IP addresses

$ docker-machine env docker1

$ docker run -it --rm python

$ docker run -it --rm -p 5000:5000
192.168.1.175:5551/factors_flask:multi # update IP addresses

$ docker-machine ip docker1

$ docker-machine create --engine-registry-mirror
http://192.168.1.175:5552 --engine-insecure-registry
http://192.168.1.175:5551 docker2 # update IP addresses

$ docker-machine env docker2

$ docker run -it --rm python

$ docker tag python:latest 192.168.1.175:5551/my_python # update
IP addresses

$ docker push 192.168.1.175:5551/my_python # update IP addresses

$ docker run -it –rm localhost:5551/my_python

$ docker-machine env --unset

$ docker-machine rm -f docker1 docker2

$ docker rm -f -v registry-cache registry-local registry-ui
```