

КИИИ – Домашна 2 : Docker

Chapter 3

docker info

```
ACER@StefanTagarski MINGW64 /c/FINKI/KI11
$ docker info
Client:
Version:      27.3.1
Context:      desktop-linux
Debug Mode:   false
Plugins:
ai: Ask Gordon - Docker Agent (Docker Inc.)
  Version:    v0.1.0
  Path:       C:\Program Files\Docker\cli-plugins\docker-ai.exe
buildx: Docker Buildx (Docker Inc.)
  Version:    v0.18.0-desktop.2
  Path:       C:\Program Files\Docker\cli-plugins\docker-buildx.exe
compose: Docker Compose (Docker Inc.)
  Version:    v2.30.3-desktop.1
  Path:       C:\Program Files\Docker\cli-plugins\docker-compose.exe
debug: Get a shell into any image or container (Docker Inc.)
  Version:    0.0.37
  Path:       C:\Program Files\Docker\cli-plugins\docker-debug.exe
desktop: Docker Desktop commands (Alpha) (Docker Inc.)
  Version:    v0.0.15
  Path:       C:\Program Files\Docker\cli-plugins\docker-desktop.exe
dev: Docker Dev Environments (Docker Inc.)
  Version:    v0.1.2
  Path:       C:\Program Files\Docker\cli-plugins\docker-dev.exe
extension: Manages Docker extensions (Docker Inc.)
  Version:    v0.2.27
  Path:       C:\Program Files\Docker\cli-plugins\docker-extension.exe
feedback: Provide feedback, right in your terminal! (Docker Inc.)
  Version:    v1.0.5
  Path:       C:\Program Files\Docker\cli-plugins\docker-feedback.exe
init: Creates Docker-related starter files for your project (Docker Inc.)
  Version:    v1.4.0
  Path:       C:\Program Files\Docker\cli-plugins\docker-init.exe
sbom: View the packaged-based Software Bill Of Materials (SBOM) for an image (Anchore Inc.)
  Version:    0.6.0
  Path:       C:\Program Files\Docker\cli-plugins\docker-sbom.exe
scout: Docker Scout (Docker Inc.)
  Version:    v1.15.0
  Path:       C:\Program Files\Docker\cli-plugins\docker-scout.exe
```

```
Server:
Containers: 3
  Running: 2
  Paused: 0
  Stopped: 1
Images: 3
Server Version: 27.3.1
Storage Driver: overlay2
  Backing Filesystem: extfs
  Supports d_type: true
  Using metacopy: false
  Native Overlay Diff: true
  userxattr: false
Logging Driver: json-file
Cgroup Driver: cgroupfs
Cgroup Version: 1
Plugins:
  Volume: local
  Network: bridge host ipvlan macvlan null overlay
  Log: awslogs fluentd gcplogs gelf journald json-file local splunk syslog
Swarm: inactive
Runtimes: io.containerd.runc.v2 nvidia runc
Default Runtime: runc
Init Binary: docker-init
  containerd version: 472731909fa34bd7bc9c087e4c27943f9835f111
  runc version: v1.1.13-0-g58aa920
  init version: de40ad0
Security Options:
  seccomp
   Profile: unconfined
Kernel Version: 5.15.167.4-microsoft-standard-WSL2
Operating System: Docker Desktop
OSType: linux
Architecture: x86_64
CPUs: 8
Total Memory: 6.744GiB
Name: docker-desktop
ID: 64386e25-f2bc-439f-a511-5fda77b993d1
Docker Root Dir: /var/lib/docker
Debug Mode: false
HTTP Proxy: http.docker.internal:3128
HTTPS Proxy: http.docker.internal:3128
No Proxy: hubproxy.docker.internal
Labels:
  com.docker.desktop.address=npipe://\\.\pipe\docker_cli
Experimental: false
```

docker run -it ubuntu /bin/bash

```
PS C:\Users\ACER\Desktop> docker run -it ubuntu /bin/bash
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
5a7813e071bf: Pull complete
Digest: sha256:72297848456d5d37d1262630108ab308d3e9ec7ed1c3286a32fe09856619a782
Status: Downloaded newer image for ubuntu:latest
root@789a14624979:/#
```

Working with Ubuntu

```
root@789a14624979:/# pwd
/
root@789a14624979:/# hostname
789a14624979
root@789a14624979:/# cat /etc/hosts
127.0.0.1        localhost
::1             localhost ip6-localhost ip6-loopback
fe00::0         ip6-localnet
ff00::0         ip6-mcastprefix
ff02::1         ip6-allnodes
ff02::2         ip6-allrouters
172.17.0.2      789a14624979
root@789a14624979:/# hostname -I
172.17.0.2
root@789a14624979:/# ps -aux
USER          PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root           1  0.0  0.0   4588   3960 pts/0    Ss   21:38   0:00 /bin/bash
root          12  0.0  0.0   7888   3848 pts/0    R+   21:42   0:00 ps -aux
root@789a14624979:/# exit
exit
```

docker ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
789a14624979	ubuntu	"/bin/bash"	6 minutes ago	Exited (0) About a minute ago		eager_khayya
8f9774023e14	homework4-main_app	"python app.py"	4 weeks ago	Exited (255) 4 hours ago	0.0.0.0:5000->5000/tcp	main_app
2f9684569323	homework4-prediction-service	"python prediction_s..."	4 weeks ago	Exited (255) 4 hours ago	0.0.0.0:5003->5003/tcp	prediction-s

docker run --name bob_the_container -i -t ubuntu /bin/bash

```
PS C:\Users\ACER\Desktop> docker run --name bob_the_container -it ubuntu /bin/bash
root@0770224069fb:/# exit
exit
PS C:\Users\ACER\Desktop> docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS              PORTS                               NAMES
0770224069fb   ubuntu    "/bin/bash"            14 seconds ago Exited (0) 2 seconds ago          eager_khayyam
789a14624979   ubuntu    "/bin/bash"            7 minutes ago Exited (0) 2 minutes ago          eager_khayyam
8f9774023e14   homework4-main_app    "python app.py"        4 weeks ago   Exited (255) 4 hours ago          0.0.0.0:5000->5000/tcp    main_app
2f9684569323   homework4-prediction-service  "python prediction_s..." 4 weeks ago   Exited (255) 4 hours ago          0.0.0.0:5003->5003/tcp    prediction-servi
```

docker start bob_the_container

```
PS C:\Users\ACER\Desktop> docker start bob_the_container
bob_the_container
PS C:\Users\ACER\Desktop> docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
0770224069fb	ubuntu	"/bin/bash"	About a minute ago	Up 11 seconds		bob_the_cont
789a14624979	ubuntu	"/bin/bash"	9 minutes ago	Exited (0) 4 minutes ago		eager_khayya
8f9774023e14	homework4-main_app	"python app.py"	4 weeks ago	Exited (255) 4 hours ago	0.0.0.0:5000->5000/tcp	main_app
2f9684569323	homework4-prediction-service	"python prediction_s_"	4 weeks ago	Exited (255) 4 hours ago	0.0.0.0:5003->5003/tcp	prediction-s

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```

docker attach bob_the_container

```
PS C:\Users\ACER\Desktop> docker attach bob_the_container
root@0770224069fb:/# exit
exit
```

docker run --name dave -d ubuntu /bin/sh -c "while true; do echo hello world; sleep 1; done"

```
PS C:\Users\ACER\Desktop> docker run --name dave -d ubuntu /bin/sh -c "while true; do echo hello world; sleep 1; done"
98902d7b18f928a3b83e54e5237d3f6ab41e27447fb22f9ffc797b6e899ea92e
```

docker logs dave

```
PS C:\Users\ACER\Desktop> docker logs dave
hello world
hello world
hello world
hello world
```

docker logs -f dave

```
PS C:\Users\ACER\Desktop> docker logs -f dave
hello world
hello world
```

docker logs -ft dave

```
PS C:\Users\ACER\Desktop> docker logs -ft dave
2025-03-03T21:51:44.001394110Z hello world
2025-03-03T21:51:45.005299611Z hello world
2025-03-03T21:51:46.007909259Z hello world
```

docker top dave

```
PS C:\Users\ACER\Desktop> docker top dave
UID          PID          PPID         C           STIME        TTY          TIME         CMD
root         1159         1139         0           21:51        ?           00:00:00    /bin/sh -c while
true; do echo hello world; sleep 1; done
root         1472         1159         0           21:55        ?           00:00:00    sleep 1
```

docker stats dave

```
PS C:\Users\ACER\Desktop> docker stats dave
CONTAINER ID   NAME      CPU %       MEM USAGE / LIMIT   MEM %      NET I/O       BLOCK I/O    PIDS
98902d7b18f9   dave      0.01%       880KiB / 6.744GiB   0.01%      1.05kB / 0B   0B / 0B      2
CONTAINER ID   NAME      CPU %       MEM USAGE / LIMIT   MEM %      NET I/O       BLOCK I/O    PIDS
98902d7b18f9   dave      0.21%       828KiB / 6.744GiB   0.01%      1.05kB / 0B   0B / 0B      2
```

docker exec -t -i daemon_dave /bin/bash

```
PS C:\Users\ACER\Desktop> docker exec -it dave /bin/bash
root@98902d7b18f9:/# exit
exit
```

docker stop dave

```
PS C:\Users\ACER\Desktop> docker stop dave
Post "http://%2F%2F.%2Fpipe%2FdockerDesktopLinuxEngine/v1.47/containers/dave/stop": context canceled
PS C:\Users\ACER\Desktop> docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED      STATUS      PORTS      NAMES
```

docker inspect dave

```
PS C:\Users\ACER\Desktop> docker inspect dave
[
  {
    "Id": "98902d7b18f928a3b83e54e5237d3f6ab41e27447fb22f9ffc797b6e899ea92e",
    "Created": "2025-03-03T21:51:43.30299779Z",
    "Path": "/bin/sh",
    "Args": [
      "-c",
      "while true; do echo hello world; sleep 1; done"
    ],
    "State": {
      "Status": "exited",
      "Running": false,
      "Paused": false,
      "Restarting": false,
      "OOMKilled": false,
      "Dead": false,
      "Pid": 0,
      "ExitCode": 137,
      "Error": "",
      "StartedAt": "2025-03-03T21:51:43.515646748Z",
      "FinishedAt": "2025-03-03T22:02:29.308017607Z"
    },
    "Image": "sha256:a04dc4851cbcb42b54d1f52a41f5f9eca6a5fd03748c3f6eb2cbeb238ca99bd",
    "ResolvConfPath": "/var/lib/docker/containers/98902d7b18f928a3b83e54e5237d3f6ab41e27447fb22f9ffc797b6e899ea92e/resolv.conf",
    "HostnamePath": "/var/lib/docker/containers/98902d7b18f928a3b83e54e5237d3f6ab41e27447fb22f9ffc797b6e899ea92e/hostname",
    "HostsPath": "/var/lib/docker/containers/98902d7b18f928a3b83e54e5237d3f6ab41e27447fb22f9ffc797b6e899ea92e/hosts",
    "LogPath": "/var/lib/docker/containers/98902d7b18f928a3b83e54e5237d3f6ab41e27447fb22f9ffc797b6e899ea92e/98902d7b18f928a3b83e54e5237d3f6ab41e27447fb22f9ffc797b6e899ea92e-json.log",
    "Name": "/dave",
    "RestartCount": 0,
    "Driver": "overlay2",
    "Platform": "linux",
    "MountLabel": "",
    "ProcessLabel": "",
    "AppArmorProfile": "",
    "ExecIDs": null,
    "HostConfig": {
      "Binds": null,
      "ContainerIDFile": "",
      "LogConfig": {
```

И така натаму..

docker rm dave

```
PS C:\Users\ACER\Desktop> docker rm dave
dave
PS C:\Users\ACER\Desktop> docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
8778224069fb	ubuntu	"/bin/bash"	18 minutes ago	Exited (0) 13 minutes ago		bob_the_contain
789a14624979	ubuntu	"/bin/bash"	25 minutes ago	Exited (0) 20 minutes ago		eager_khayyam
8f9774023e14	homework4-main_app	"python app.py"	4 weeks ago	Exited (255) 5 hours ago	0.0.0.0:5000->5000/tcp	main_app
2f9684569323	homework4-prediction-service	"python prediction_s..."	4 weeks ago	Exited (255) 5 hours ago	0.0.0.0:5003->5003/tcp	prediction-serv

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ice
```

CHAPTER 4

docker images

```
PS C:\Users\ACER\Desktop> docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
homework4-main_app	latest	4c635b3bc654	4 weeks ago	358MB
ubuntu	latest	a04dc4851cbc	5 weeks ago	78.1MB
homework4-prediction-service	latest	5c0807de1fbc	6 weeks ago	351MB

docker pull ubuntu:18.04

```
PS C:\Users\ACER\Desktop> docker pull ubuntu:18.04
18.04: Pulling from library/ubuntu
7c457f213c76: Pull complete
Digest: sha256:152dc042452c496007f07ca9127571cb9c29697f42acbfad72324b2bb2e43c98
Status: Downloaded newer image for ubuntu:18.04
docker.io/library/ubuntu:18.04
```

docker run -t -i --name new_container ubuntu:18.04 /bin/bash

```
PS C:\Users\ACER\Desktop> docker run -it --name new_container ubuntu:18.04 /bin/bash
root@1989063b2d03:/# exit
exit
```

docker images ubuntu

```
PS C:\Users\ACER\Desktop> docker images ubuntu
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	latest	a04dc4851cbc	5 weeks ago	78.1MB
ubuntu	18.04	f9a80a55f492	21 months ago	63.2MB

docker search postgres

```
PS C:\Users\ACER\Desktop> docker search postgres
```

NAME	DESCRIPTION	STARS	OFFICIAL
postgres	The PostgreSQL object-relational database sy...	14168	[OK]
circleci/postgres	The PostgreSQL object-relational database sy...	32	
cimg/postgres		3	
ubuntu/postgres	PostgreSQL is an open source object-relatio...	40	
elestio/postgres	Postgres, verified and packaged by Elestio	1	
kasmweb/postgres	Postgres image maintained by Kasm Technologi...	5	
chainguard/postgres	Build, ship and run secure software with Cha...	1	
artifacthub/postgres		0	
corpusops/postgres	https://github.com/corpusops/docker-images/	0	
dockette/postgres	My PostgreSQL image with tunnning and preinst...	1	
geokrety/postgres	Postgres with postgis + quantile and amqp ex...	0	
kobotoolbox/postgres	ONLY for upgrading KoboToolbox installations...	1	
mcp/postgres	A Model Context Protocol server that provide...	1	
wayofdev/postgres		0	
rootpublic/postgres		0	
uselagoon/postgres		0	
openeuler/postgres		0	
clarinpl/postgres		0	
supabase/postgres	Unmodified Postgres with some useful plugins...	46	
fredboat/postgres	PostgreSQL 10.0 used in FredBoat's docker-co...	1	
trainlineeurope/postgres	Extended version of official Postgres https:...	0	
blacklabelops/postgres	Postgres Image for Atlassian Applications	4	
debezium/postgres	PostgreSQL for use with Debezium change data...	28	

docker build -t "static-web" .

```
ACER@StefanTagarski MINGW64 ~/Desktop
$ cd static_web
ACER@StefanTagarski MINGW64 ~/Desktop/static_web
$ nano Dockerfile
ACER@StefanTagarski MINGW64 ~/Desktop/static_web
$ cat Dockerfile
FROM ubuntu:18.04
RUN apt-get update; apt-get install -y nginx
RUN echo 'Hi, I am in your container' > /var/www/html/index.html
EXPOSE 80
CMD [ "/bin/bash" ]
ACER@StefanTagarski MINGW64 ~/Desktop/static_web
$ docker build -t="static-web"
[+] Building 33.7s (7/7) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 197B
=> [internal] load metadata for docker.io/library/ubuntu:18.04
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/3] FROM docker.io/library/ubuntu:18.04
=> [2/3] RUN apt-get update; apt-get install -y nginx
=> [3/3] RUN echo 'Hi, I am in your container' > /var/www/html/index.html
=> exporting to image
=> => exporting layers
=> writing image sha256:b9817e57a444008a2773a37e0cc48cd95f6c6ef0c2cbbc033b4293c48b4a9187
=> naming to docker.io/library/static-web
```

docker:desktop-linux
0.1s
0.0s
0.0s
0.1s
0.0s
0.0s
31.9s
0.6s
0.8s
0.8s
0.0s
0.0s

docker history static-web

```
ACER@StefanTagarski MINGW64 ~/Desktop/static_web
$ docker history static-web
```

IMAGE	CREATED	CREATED BY	SIZE	COMMENT
b9817e57a444	About a minute ago	CMD ["/bin/bash"]	0B	buildkit.dockerfile.v0
<missing>	About a minute ago	EXPOSE map[80/tcp:{}]	0B	buildkit.dockerfile.v0
<missing>	About a minute ago	RUN /bin/sh -c echo 'Hi, I am in your contain...	27B	buildkit.dockerfile.v0
<missing>	About a minute ago	RUN /bin/sh -c apt-get update; apt-get insta...	106MB	buildkit.dockerfile.v0
<missing>	21 months ago	/bin/sh -c #(nop) CMD ["/bin/bash"]	0B	
<missing>	21 months ago	/bin/sh -c #(nop) ADD file:3c747e08cbf9a876...	63.2MB	

docker run -d -p 80:80 --name static-web static-web nginx -g "daemon off;"

```
ACER@StefanTagarski MINGW64 ~/Desktop/static_web
$ docker run -d -p 8081:80 --name static-web-container static-web nginx -g "daemon off;";
36f0da32864428538eef40c7c68d94324a3d3e53c52e99b82cc38edab6fb5922

ACER@StefanTagarski MINGW64 ~/Desktop/static_web
$ docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS               NAMES
36f0da328644        static-web         "nginx -g 'daemon of..." 6 seconds ago      Up 5 seconds       0.0.0.0:8081->80/tcp   static-web-contai
ner
1989063b2d03        ubuntu:18.04       "/bin/bash"         20 minutes ago     Exited (0) 20 minutes ago                       new_container
0770224069fb        ubuntu            "/bin/bash"         49 minutes ago     Exited (0) 45 minutes ago                       bob_the_container
789a14624979        ubuntu            "/bin/bash"         57 minutes ago     Exited (0) 52 minutes ago                       eager_khayyam
8f9774023e14        homework4-main_app "python app.py"      4 weeks ago        Exited (255) 5 hours ago                       main_app
2f9684569323        homework4-predicti "python prediction_s..." 4 weeks ago        Exited (255) 5 hours ago                       prediction-servic
e

ACER@StefanTagarski MINGW64 ~/Desktop/static_web
$ curl localhost:8081
Hi, I am in your container
```

docker port static-web

```
ACER@StefanTagarski MINGW64 ~/Desktop/static_web
$ docker port static-web-container
80/tcp -> 0.0.0.0:8081
```

Некој docker image што имам градено по друг предмет:

```
ACER@StefanTagarski MINGW64 ~/Desktop/DIANS/Homework4/main_app (master)
$ cat Dockerfile
# main_app Dockerfile
FROM python:3.9-slim

WORKDIR /app

# Install dependencies
COPY requirements.txt /app/
RUN pip install --no-cache-dir -r requirements.txt

# Copy the application code
COPY . /app

# Expose port
EXPOSE 5000

# Set environment variable for prediction service URL
ENV PREDICTION_SERVICE_URL=http://prediction-service:5003/predict

# Run the app
CMD ["python", "app.py"]

ACER@StefanTagarski MINGW64 ~/Desktop/DIANS/Homework4/main_app (master)
$ docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS               NAMES
13d837579e00        homework4-main_app  "python app.py"      About a minute ago   Exited (0) About a minute ago                       romantic_
36f0da328644        static-web         "nginx -g 'daemon of..." 8 minutes ago      Up 8 minutes       0.0.0.0:8081->80/tcp   static-we
b-container
1989063b2d03        ubuntu:18.04       "/bin/bash"         28 minutes ago     Exited (0) 28 minutes ago                       new_conta
0770224069fb        ubuntu            "/bin/bash"         57 minutes ago     Exited (0) 53 minutes ago                       bob_the_c
ontainer
789a14624979        ubuntu            "/bin/bash"         About an hour ago   Exited (0) About an hour ago                       eager_kha
yyam
8f9774023e14        homework4-main_app  "python app.py"      4 weeks ago        Exited (255) 5 hours ago                       main_app
2f9684569323        homework4-predicti "python prediction_s..." 4 weeks ago        Exited (255) 5 hours ago                       predictio
n-service

ACER@StefanTagarski MINGW64 ~/Desktop/DIANS/Homework4/main_app (master)
$ docker run -d homework4-main_app
81f8bf5e7b7895b26a00e176817af9db54904b7cda62b2e386e791f389366013
```


docker push на Docker Hub за горенаведениот image (претходна слика)

```
ACER@StefanTagarski MINGW64 ~/Desktop/DIANS/Homework4/main_app (master)
$ docker build -t "stefantagarski/main_app" .
[+] Building 85.2s (11/11) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 448B
=> [internal] load metadata for docker.io/library/python:3.9-slim
=> [auth] library/python:pull token for registry-1.docker.io
=> [internal] load dockerignore
=> => transferring context: 2B
=> [1/5] FROM docker.io/library/python:3.9-slim@sha256:d1fd807555208707ec95b284afd10048d0737e84b5f2d6fcdced2922b9284b56
=> => resolve docker.io/library/python:3.9-slim@sha256:d1fd807555208707ec95b284afd10048d0737e84b5f2d6fcdced2922b9284b56 18.0s
=> => sha256:d1fd807555208707ec95b284afd10048d0737e84b5f2d6fcdced2922b9284b56 10.41kB / 10.41kB
=> => sha256:00b5ba602fcf3ea0cc2cdf21bcf2bcc9e5408c03745f357eb98a12464f5192e 1.75kB / 1.75kB
=> => sha256:1a47c1aaa88fa84511b9bbd99a17ec50c87b0075bc116fc596ba20518667823c 5.28kB / 5.28kB
=> => sha256:7cf63256a31a4cc44f6defe8e1af95363aee5fa75f30a248d95cae684f87c53c 28.22MB / 28.22MB
=> => sha256:82a59f028fa3e4c2c425073b77d0bfde2d9aa166cf413b6f1ceac275585e8027 3.51MB / 3.51MB
=> => sha256:09f8c21e9f8e95147eea7783b9c462268cdeb1b26f4f68790a0d4e1e29396976 14.94MB / 14.94MB
=> => sha256:fb0009da06dd4711325d429d94e351cbe2d79521e8c70885ddf3282f48baa8de 250B / 250B
=> => extracting sha256:7cf63256a31a4cc44f6defe8e1af95363aee5fa75f30a248d95cae684f87c53c 5.7s
=> => extracting sha256:82a59f028fa3e4c2c425073b77d0bfde2d9aa166cf413b6f1ceac275585e8027 0.6s
=> => extracting sha256:09f8c21e9f8e95147eea7783b9c462268cdeb1b26f4f68790a0d4e1e29396976 3.1s
=> => extracting sha256:fb0009da06dd4711325d429d94e351cbe2d79521e8c70885ddf3282f48baa8de 0.0s
=> [internal] load build context
=> => transferring context: 4.58MB
=> [2/5] WORKDIR /app
=> [3/5] COPY requirements.txt /app/
=> [4/5] RUN pip install --no-cache-dir -r requirements.txt 60.2s
=> [5/5] COPY . /app
=> => exporting to image
=> => exporting layers
=> => writing image sha256:642511f751211c90479007bf9ef596a8849fbd861a21dc72507b02d337e068eb
=> => naming to docker.io/stefantagarski/main_app 0.0s
```

```
ACER@StefanTagarski MINGW64 ~/Desktop/DIANS/Homework4 (master)
$ docker push stefantagarski/main_app
Using default tag: latest
The push refers to repository [docker.io/stefantagarski/main_app]
cb77569411cd: Pushed
751b7e5bb784: Pushed
7bbcf83610f6: Pushed
4f5d2e4754ac: Pushed
70ffff1cc441b: Mounted from library/python
62f5a620d172: Mounted from library/python
4a0e2c276a6a: Mounted from library/python
5f1ee22fffb5e: Mounted from library/python
latest: digest: sha256:9026736df6d7f172cd33043f1cf9d16783f2efea300129f298e9b839cd55145e size: 1995
```

https://hub.docker.com/r/stefantagarski/main_app

docker rmi static-web

```
ACER@StefanTagarski MINGW64 ~/Desktop/DIANS/Homework4 (master)
$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                    NAMES
81f8bf5e7b78   homework4-main_app   "python app.py"         22 minutes ago   Up 22 minutes   5000/tcp                nostalgic_proskuriakova
36f0da328644   static-web        "nginx -g 'daemon of..." 31 minutes ago   Up 31 minutes   0.0.0.0:8081->80/tcp     static-web-container
```

```
ACER@StefanTagarski MINGW64 ~/Desktop/DIANS/Homework4 (master)
$ docker rm static-web-container
static-web-container
```

```
ACER@StefanTagarski MINGW64 ~/Desktop/DIANS/Homework4 (master)
$ docker rmi static-web
Untagged: static-web:latest
Deleted: sha256:b9817e57a444008a2773a37e0cc48cd95f6c6ef0c2cbbc033b4293c48b4a9187
```