

Doker

Docker file—

Docker registry- similar to GitHub

Doker image

Doker container

Command

Doker —help

5842 docker version

5843 docker --help

5844 docker login

5845 docker search nginx

5846 docker pull nginx

5847 docker login

5848 docker pull nginx

5849 cd ..

5850 docker pull nginx

5851 docker login

5852 docker pull nginx

5853 docker login

5854 docker pull nginx

5855 docker pull nginx

5856 docker images

5857 docker run -p 1111:80 -d nginx

5858 docker ps

5859 mkdir workshop1

5860 cd workshop1

5861 docker cp competent_nobel:/usr/share/nginx/html/index.html .

5862 docker cp competent_nobel:/usr/share/nginx/html/index.html .

5863 ls

5864 vi Dockerfile

5865 sublime Dockerfile

5866 docker build -t shreya-nginx .

5867 docker images

5868 docker run shreya-nginx

➔ **workshop1** docker run --name shreya-container-name -p 1123:80 -d
shreya-nginx

36a4830392b5550b86db0139702435e098212e58dc63d9e35b586af5a5ba0b
13

Docker ex

Session 2

Sudo su

-v, --volume

mkdir workshop2

5977 cd workshop2

5978 docker build -t shreya-nginx

5979 docker images

5980 docker run shreya-nginx

5981 FROM ubuntu:16.04

5982 ls

5983 vi Dockerfile

5984 docker build -t shreyashukla-nginx:version-1

5985 docker images

5986 docker build -t shreyashukla-nginx .

5987 docker images

5988 docker build -t shreyashukla-nginx .

5989 vi Dockerfile

5990 docker build -t shreyashukla-nginx .

5991 docker build -t shreyashukla-nginx

5992 docker build -t shreyashukla-nginx .

5993 vim Dockerfile

5994 docker build -t shreyashukla-nginx .

5995 docker images

5996 docker logs

5997 docker run shreyashukla-nginx

5998 vim Dockerfile

5999 docker run --name shreyashukla-nginx -v "\$PWD"/index.html:/var/www/html/index.html 4345:80 -d shreyashukla-nginx

6000 docker run --name shreyaed -v "\$PWD"/index.html:/var/www/html/index.html 4345:80 -d shreyashukla-nginx

6001 docker run --name shreyaed -v "\$PWD"/index.html:/var/www/html/index.html -p 4345:80 -d shreyashukla-nginx

6002 curl localhost:4345

6003 vim Dockerfile

6004 curl localhost:4345

6005 ls

6006 mkdir html

6007 cd html

6008 docker run --name shreyaed -v "\$PWD"/html:/var/www/html/ -p 4345:80 -d shreyashukla-nginx

6009 docker run --name shreyaedsd -v "\$PWD"/html:/var/www/html/ -p 4345:80 -d shreyashukla-nginx

6010 docker run --name shreyaedsd -v "\$PWD"/html:/var/www/html/ -p 4445:80 -d shreyashukla-nginx

```
6011 docker run --name container -v "$PWD"/html:/var/www/html -p 4344:80
-d shreyashukla-nginx
6012 curl localhost:4344
6013 ls
6014 docker run --name container -v "$PWD"/html:/var/www/html -p 4344:80
-d shreyashukla-nginx
6015 docker run --name container-11 -v "$PWD"/html:/var/www/html -p
4444:80 -d shreyashukla-nginx
6016 curl localhost:4444
6017 docker run --name container-21 -v "$PWD":/var/www/ -p 4434:80 -d
shreyashukla-nginx
6018 curl localhost:4434
6019 docker run --name container-2 -v "$PWD":/var/www/html -p 4334:80 -d
shreyashukla-nginx
6020 curl localhost:4334
6021 cd ..
6022 ls
6023 cd ght
6024 cd html
6025 ls
6026 rm -r html
6027 ls
6028 cat index.html
6029 clear
6030 docker build -t image1:v1 .
6031 cd ..
6032 ls
6033 docker build -t image1:v1 .
6034 vi Dockerfile
6035 docker build -t image1:v1 .
6036 docker run --name container1 -p 3333:80 -v "$PWD"/html:/var/www/
html -d image1:v1
6037 docker run --name container12 -p 3333:80 -v "$PWD"/html:/var/www/
html -d image1:v1
6038 docker run --name container12 -p 3377:80 -v "$PWD"/html:/var/www/
html -d image1:v1
6039 docker run --name container123 -p 3377:80 -v "$PWD"/html:/var/www/
html -d image1:v1
6040 ssh stg-dev-test-1.use1.aws.quinpress.com
6041 ls
6042 cd ..
6043 ls
6044 chmod -R 777 workshop2
6045 cd workshop2
6046 docker run --name container123 -p 3377:80 -v "$PWD"/html:/var/www/
html -d image1:v1
```

```
6047 docker run -p 3377:80 -v "$PWD"/html:/var/www/html -d image1:v1
6048 docker ps
6049 docker run -p 3377:80 -v "$PWD"/html:/var/www/html -d image1:v1
6050 ssh stg-dev-test-1.use1.aws.quinpress.com
6051 vi Dockerfile
6052 docker build -t image1:v1 .
6053 docker run -p 3377:80 -v "$PWD"/html:/var/www/html -d image1:v1
6054 curl localhost:3377
6055 i Dockerfile
6056 vi Dockerfile
```

Var/www/html for volume mounting—>

Workshop — 2

Workshop 2

BASE IMAGE UBUNTU

LOGS AS STDOUT

DOCKER VOLUME MOUNT

PID 1

Nginx -s stop

Docker gets killed.

So use entry point.sh

Dockerfile:

```
FROM ubuntu:16.04
```

```
RUN apt-get update -y && \
    apt-get install -y nginx
```

```
RUN ln -sf /dev/stdout /var/log/nginx/access.log && \
    ln -sf /dev/stderr /var/log/nginx/error.log
```

```
VOLUME /var/www/html
```

```
FROM ubuntu:16.04
```

```
RUN apt-get -y update && \
    apt-get -y install nginx && \
    echo "daemon off;" >> /etc/nginx/nginx.conf
```

```
VOLUME /var/www/html
```

```
COPY entrypoint.sh /entrypoint.sh
```

```
ENTRYPOINT ["/entrypoint.sh"]
```

```
chmod +x entrypoint.sh
```

ENTRYPOINT.SH

```
#!/bin/bash
```

```
ln -sf /dev/stdout /var/log/nginx/access.log  
ln -sf /dev/stderr /var/log/nginx/error.log  
nginx
```

```
while true  
do  
    sleep 1  
done  
exec "$@"
```

```
$docker build -t image1 .
```

```
$docker run --name container1 -v /opt/test1/html:/var/www/html -p 1234:80 -d  
image1
```

```
docker exec -it container1 bash
```

```
Ps -faux
```

```
Pid 1-pointing to entry point
```