

Team

Name: Alexander Nachtmann

Name: Stephanie Rauscher

Exercise 2 – Protocol

Copy the main commands you used to accomplish the tasks or a screenshot showing the relevant output. You can exclude non-relevant system commands (ls, cd, ...).

Docker CLI

Run containers based on an image from Dockerhub

>> Docker commands used to complete the subsection “Run containers ...”<<

```
docker pull redis:latest
```

```
docker pull redis:6
```

```
docker run --name redis_latest -d -p 1000:1000 redis:latest
```

```
docker run --name redis_6 -d -p 1500:1500 redis:6
```

```
docker ps
```

```
docker stop redis_6
```

```
docker logs redis_latest
```

```
docker image ls
```

for cleanup:

```
docker stop aa089d466ccc
```

```
docker rm aa089d466ccc
```

```
docker stop c207af85ef85
```

```
docker rm c207af85ef85
```

docker rmi 0d26bb2d7e29

>> Screenshot of running redis containers <<

```

C:\Users\steff>docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
c207af85ef85   redis:6   "docker-entrypoint.s..." 17 seconds ago Up 16 seconds 0.0.0.0:1500->1500/tcp, 6379/tcp    redis_6
aa089d466ccc   redis:latest "docker-entrypoint.s..." 40 seconds ago Up 40 seconds 0.0.0.0:1000->1000/tcp, 6379/tcp    redis_latest
  
```

Volumes

>> Docker commands used to create volumes<<

docker volume create --name demo-volume

>> Screenshot of docker volumes <<

```

C:\Users\steff>docker volume ls
DRIVER      VOLUME NAME
local      6e8588d9ad5a9b39eff85e18eaf3ed47bfe8db2cea90afe5430634899c0a481c
local      d22010ce82a2e02967093d38a0cd8ffd80b72949e18a25cce31b1b3649d9594b
local      demo-volume
  
```

Configure a container

>> Command used to start the container <<

docker run --name redis-demo -d -v demo-volume:/demo-volume -p 1234:6001 redis

Dockerfile

>> Insert the lines you added to the Dockerfile <<

```
COPY . .
```

```
RUN yarn install --production
```

```
CMD ["node", "server.js"]
```

>> Docker commands used to build and tag the image <<

```
cd C:\Users\steff\Downloads\DockerfileApp
```

```
docker build -t my-app .
```

```
docker run -p3000:3000 -d my-app
```