

# Docker

## Basic commands

Running containers

```
docker ps
```

Run an image in a new container in interactive mode

```
docker run -name $NAME -it $IMAGE
```

(rm previous container with docker rm if name not available)

Tag an image with a new name

```
docker tag source:tag target:tag
```

Commit changes in a container to an image

```
sudo docker commit -m $MESSAGE $CONTAINER $IMAGE:$TAG
```

Push changes to repository

(dockerhub: [docker.io](https://docker.io))

```
docker login $HOST
```

```
docker push $IMAGE:$TAG
```

Save an image to a compressed archive

```
docker save $IMAGE:$TAG | gzip > $FILE.tgz
```