Docker

Basic commands

List containers

```
docker ps
```
   Exited containers:
```
docker ps -a -f status=exited
```

List images

```
docker images
```
```
docker images -f dangling=true
```
   (to remove dangling: `docker images purge`)

Run

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)
   Option: –rm remove the container on exit

Duplicate image

Tag an image with a new name
```
docker tage source:tag target:tag
```

Commit

Commit changes in a container to an image
```
sudo docker commit -m $MESSAGE $CONTAINER $IMAGE:$TAG
```

   Push changes to repository
   (dockerhub: docker.io)
```
docker login $HOST
docker push $IMAGE:$TAG
```

Save

Save an image to a compressed archive
```
docker save $IMAGE:$TAG | gzip > $FILE.tgz
```