

Reference: <https://docs.docker.com/v17.09/machine/reference/>

### **Manage your (local) Virtual Machine**

#### **docker-machine ip**

Find the IP address of your VirtualMachine, required for DockerToolbox users only

#### **docker-machine start**

#### **docker-machine stop**

#### **docker-machine restart**

### **Manage images**

#### **docker image pull <image name>**

download an image from DockerHub

#### **docker image ls**

list all local images

#### **docker image build -t <image name> .**

build an image with a tag (note the dot!)

#### **docker image push <image name>**

publish an image to dockerhub

#### **docker image tag <image id> <tag name>**

tag an image - either alias an existing image or apply a :tag to one

### **Manage Containers**

#### **docker container run -p <public port>:<container port> <imagename>**

run a container from an image, publishing the specified ports

#### **docker container ls -a**

list all containers, even the stopped ones

#### **docker container stop <container id>**

stop a running container

#### **docker container start <container id>**

restart a stopped container

**docker container rm <container id>**

remove a stopped container

**docker container prune**

remove all stopped containers

**docker container run -it <image name>**

run a container with interactive terminal

**docker container run -d <image name>**

run a container detached (or in a daemon like way)

**docker container exec -it <container id> <command>**

run a command in a container

**docker container exec -it <container id> bash**

special form of the above, runs a bash shell, connected to your local terminal (your distro needs to have bash, alpine will require /bin/sh)

**docker container logs -f <container id>**

Follow the log (STDIN/System.out) of the container

**docker container commit -a "author" <container id> <imagename>**

Take a snapshot image of a container