CHEAT SHEET
DOCKER

Orchestration

Initialize swarm mode and listen on a specific interface
docker swarm init --advertise-addr

Join an existing swarm as a worker node <worker token>
docker swarm join --token

List the services running in a swarm
docker service ls

List the tasks of a service
docker service ps [name]

Scale a service
docker service scale [name]=[number]

Check the availability of the node and as expected
docker node inspect [node]

Join an existing swarm as a manager node <manager token>
docker swarm join --token

List the nodes participating in a swarm
docker node ls

Create a service from an image exposed on a specific port and deploy n instances
docker service create --replicas [n] -p 80:80 --name [name] [service]

Change the image tag version
docker service update --image <imagename>:<version> [name]

RUN

docker run

--rm	remove container automatically after it exits connect
-it	the container to terminal
--name	name the container
-p 5000:80	expose port 5000 externally and map to port 80
-v ~/dev:/code	create a host mapped volume inside the container
alpine:3.4	the image from which the container is instantiated
/bin/sh	the command to run inside the container

"If you use Docker toolbox.."
Check the machine status
docker-machine ls

List the networks
docker network ls

Print the last 100 lines of a container's logs
docker logs --tail 100 [name]

BUILD

Build an image from the Dockerfile in the current directory and tag the image
docker build -t myapp:1.0

List all images that are locally stored with the Docker engine
docker images

Delete an image from the local image store
docker rmi alpine:3.4

Docker Swarm is a tool that comes by default with docker

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