## **Docker Cheat Sheet**

docker swarm init --advertise-addr

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

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

List the nodes participating in a swarm docker node 1s

Initialize swarm mode and listen on a specific interface 

Create a service from an image exposed on a specific port and deploy 3 instances docker service create --replicas 3 -p 80:80 --name web nginx

> List the services running in a swarm docker service ls

Scale a service docker service scale web=5

List the tasks of a service docker service tasks web

## SHIP

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

BUILD

docker images

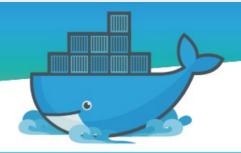
Delete an image from the local image store docker rmi alpine:3.4

Pull an image from a registry docker pull alpine: 3.4

Retag a local image with a new image name and tag docker tag alpine: 3.4 myrepo/myalpine: 3.4

Log in to a registry (the Docker Hub by default) docker login my.registry.com:8000

Push an image to a registry docker push myrepo/myalpine:3.4



## RUN

docker run

--rm remove container automatically after it exits

-it connect the container to terminal

--name web 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

Stop a running container through SIGTERM docker stop web

Stop a running container through SIGKILL docker kill web

Create an overlay network and specify a subnet docker network create --subnet 10.1.0.0/24 --gateway 10.1.0.1 -d overlay mynet

List the networks docker network 1s

List the running containers docker ps

Delete all running and stopped containers docker rm -f \$(docker ps -aq)

Create a new bash process inside the container and connect it to the terminal

docker exec -it web bash

Print the last 100 lines of a container's logs docker logs --tail 100 web