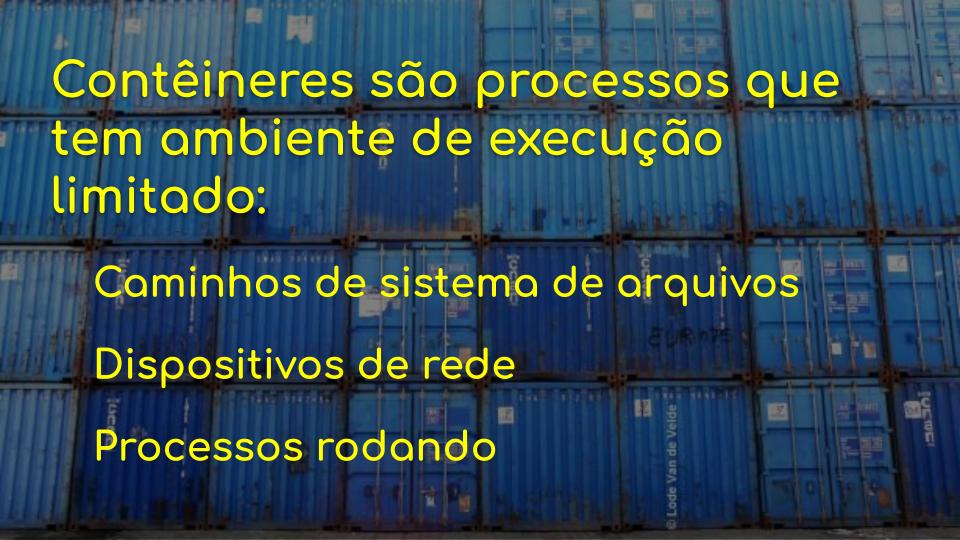


Contêineres NAO são MODULE SEE virtuais!







VIRTUAL MACHINES

CONTAINERS

App #1

App #2

Bins/Libs

Bins/Libs

Guest OS

Guest OS

Hypervisor

Host Operating System

Infrastructure



App #1

App #2

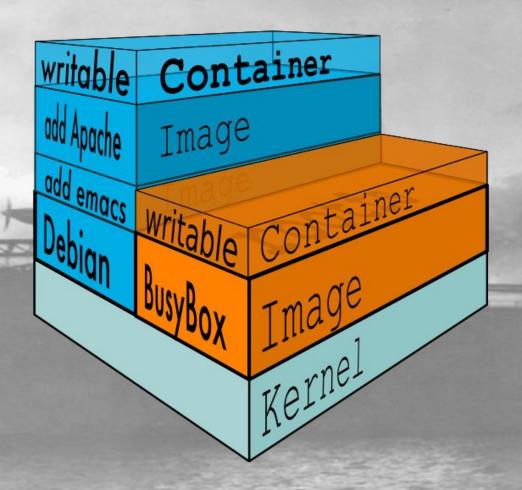
Bins/Libs

Bins/Libs

Container Daemon

Host Operating System

Infrastructure





Anatomia do docker run

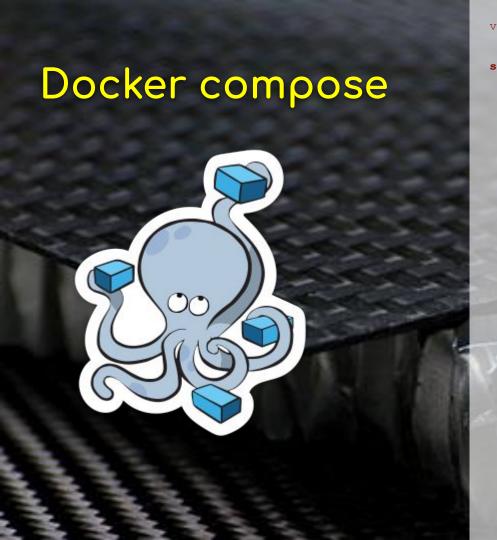
docker container run -p 8080:80 -- name webhost -d nginx:1.11 nginx -T

Parâmetros do docker, comandos e subcomandos para configurar o runtime container

Comandos
executados
dentro do
contêiner pelo
programa
principal,
diretiva EXEC
do Dockerfile

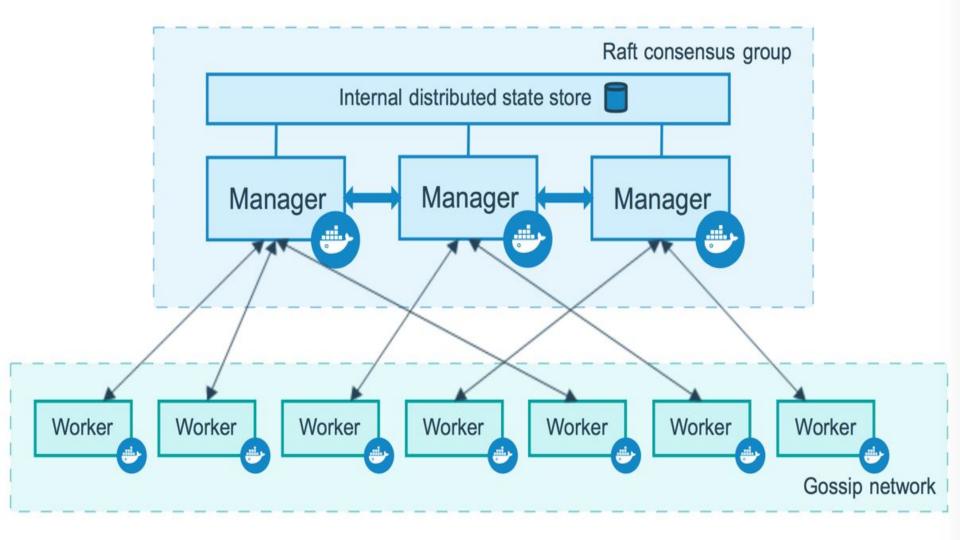
Verificando contêineres:

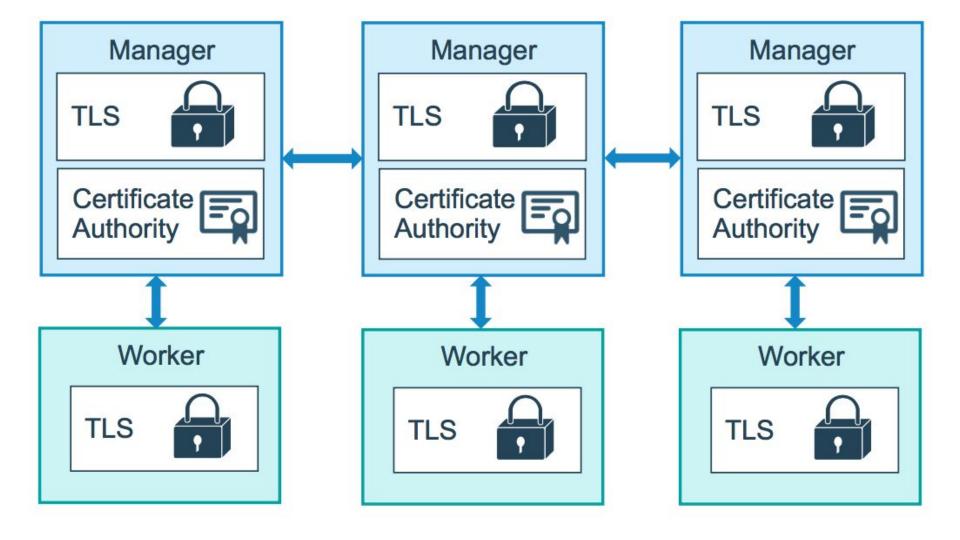
```
docker container ps
docker container ps -a
docker container top <container id>
docker container inspect <container id>
docker container stats <container id>
docker container logs <container id>
docker container logs -f <container id>
docker container --it exec <command>
docker container port <container id>
```

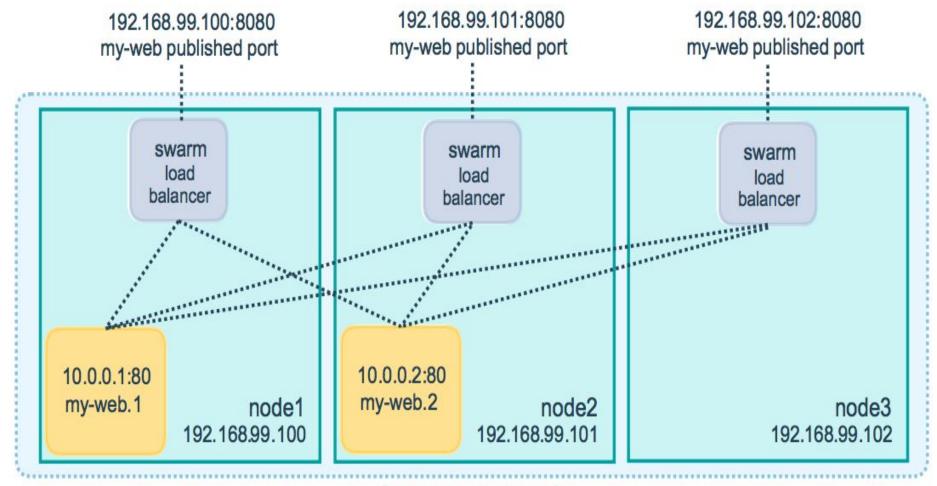


```
version: '3'
services:
 influxdb:
   image: influxdb
   volumes:
     - /opt/docker compose/influxdb:/var/lib/influxdb
     - /opt/docker compose/influxdb config:/etc/influxdb
   ports:
     - "8083:8083"
     - "8086:8086"
     - "2222:22"
   environment:
     - INFLUXDB DB=jenkins
     - INFLUXDB ADMIN USER=admin
     - INFLUXDB ADMIN PASSWORD=admin
 jenkins:
   image: jenkins:target
   environment:
     - JAVA OPTS=-Djenkins.install.runSetupWizard=false
   volumes:
     - /opt/docker compose/jenkins:/var/jenkins home
   ports:
     - "8080:8080"
     - "50000:50000"
     - "2223:22"
```

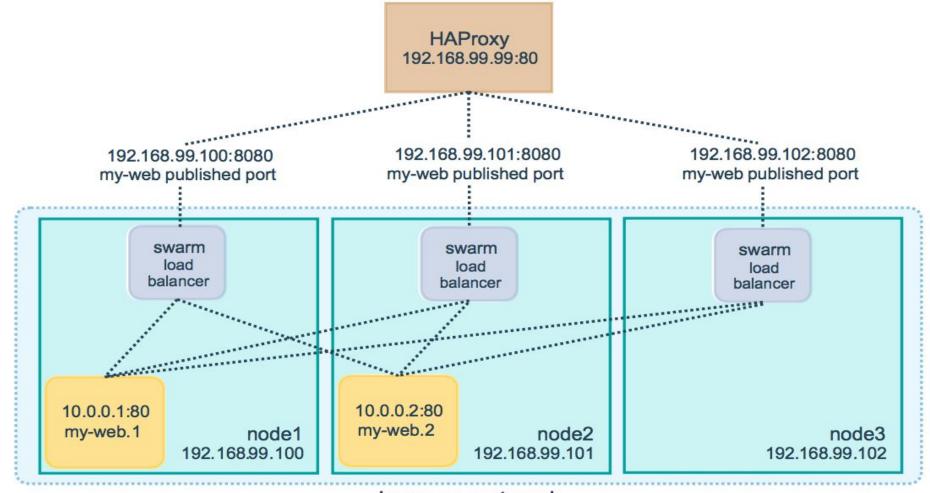




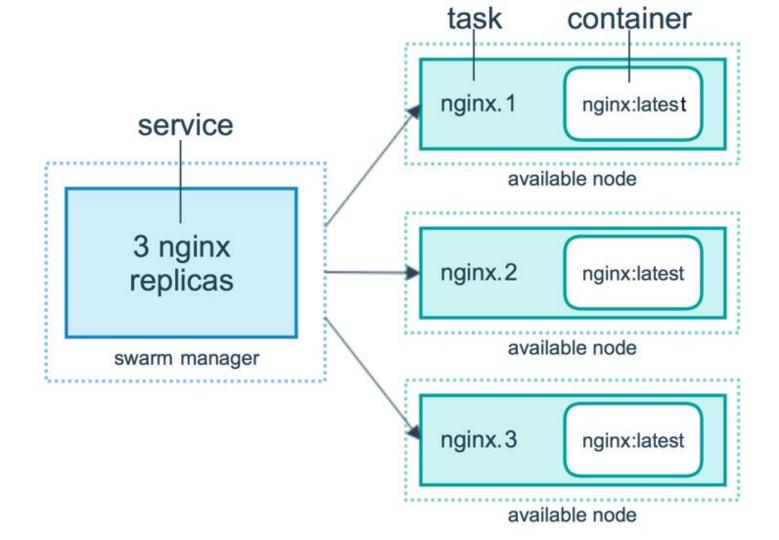


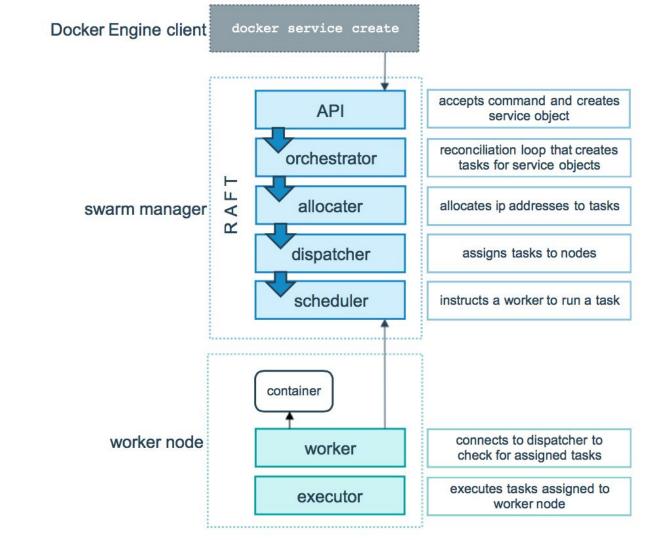


ingress network



ingress network

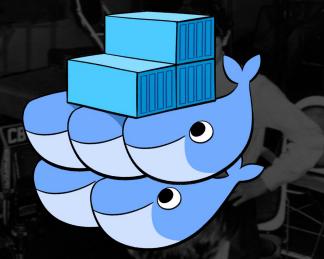




https://training.play-with-docker.com/ops-s1-swarm-intro/

https://www.katacoda.com/courses/docker/getting-started-with-swarm-mode

https://www.katacoda.com/courses/docker-orchestration





```
FROM jenkins/jenkins:alpine
```

USER root

RUN apk add ca-certificates

ENV JAVA_OPTS="-Djenkins.install.runSetupWizard=false"

COPY plugins.txt /usr/share/jenkins/ref/plugins.txt

RUN for i in \$(cat /usr/share/jenkins/ref/plugins.txt|grep -v
^#) ; do echo "######### Installing \$i #########";
/usr/local/bin/install-plugins.sh \$i; done

RUN chown 1000:1000 /var/jenkins_home -R

RUN apk add --no-cache tzdata

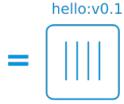
ENV TZ America/Sao Paulo

Dockerfiles

Dockerfile:

FROM alpine
RUN apk update && apk add nodejs
COPY . /app
WORKDIR /app
CMD ["node","index.js"]





```
1
```

```
# Dockerfile
# build stage
FROM buildbase as build
# production ready stage
FROM runbase
COPY --from=build
/artifact /app
```

