Docker Course 2021
Pelado Nerd :

Docker:

Containerized Apps

| App A | App B | App C | App D |

Docker

Host Operating System

Infrastructure
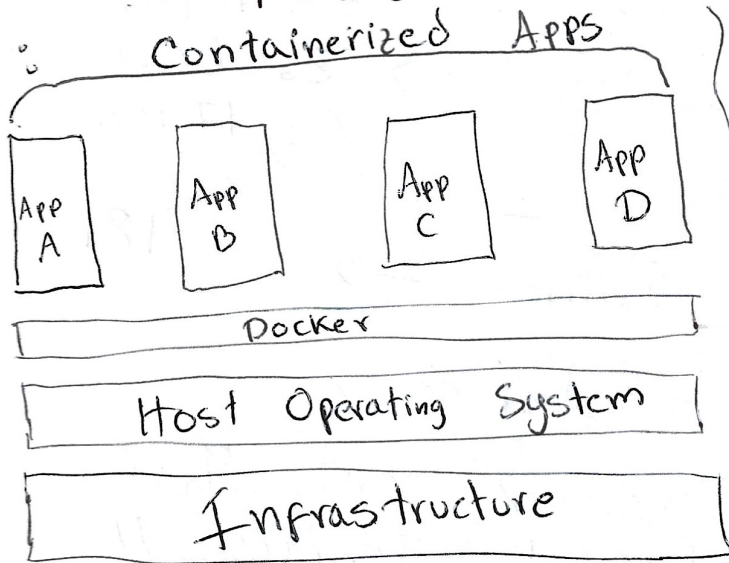
Imagen
- O.S
- Software
- app

Container

Dockerfiles :

↗ buena practica colocar siempre versión

```
# Dockerfile
From ubuntu
RUN apt-get install apache2
COPY code/ /var/www
CMD ["apache2"]
```

build #=> [imagen] run #=> [Contenedor]

OS
alpine dist for containers
5.32 MB
OMG

Commands :

docker run <image>   (-d)   ↗ -dp 3000:3000 <image>   Port

docker pull <image>

docker images (1 head)

docker ps   (-a)

docker start <containerId>

- docker logs <containerId>   (-f)
- docker exec -it <cont id> sh
- docker stop <contId>
- docker build -t <tag-name> .   ↗ :version
- docker network create <app-name>

Persist Data:

docker run -d -v <route_app> -p 3000:3000 <name_app>

~/proje /peladoners/docker2021/app/etc

docker push < name_image >   (Subir a docker-hub)

(> clissmemcamacho/getting-started:v2

mysql in a network:

docker run -d --network todo-app --network-alias mysql
  -v todo-mysql-data: var/lib/mysql -e MYSQL_ROOT_PASSWORD=
  secret -e MYSQL-DATABASE= todos   mysql:5.7
                                (>--platform linux/x86-64
                                     2 for m1 mac

Testing Resolve of Network:

docker run -it --network todo-app nicolaka/netshoot

(> dig mysql

Connect APP with Mysql

docker run -dp 3000:3000 --network todo-app
  -e MYSQL-HOST= mysql -e MYSQL-USER= root
  -e MYSQL_PASSWORD= secret   -e MYSQL-DB=todos
  getting-started :v 2

Run dockerfile:

docker-compose up -d

Stop dockerfile:

docker-compose down