

# Taller o - Docker

The background is a deep blue gradient representing a night sky, filled with numerous small white dots of varying sizes to represent stars. Two bright, multi-pointed starburst effects are positioned on the left and right sides. Two white, tapered comet-like streaks are also visible, one in the upper right and one in the lower left. At the bottom of the image, there is a dark, jagged silhouette that resembles a mountain range or a city skyline.

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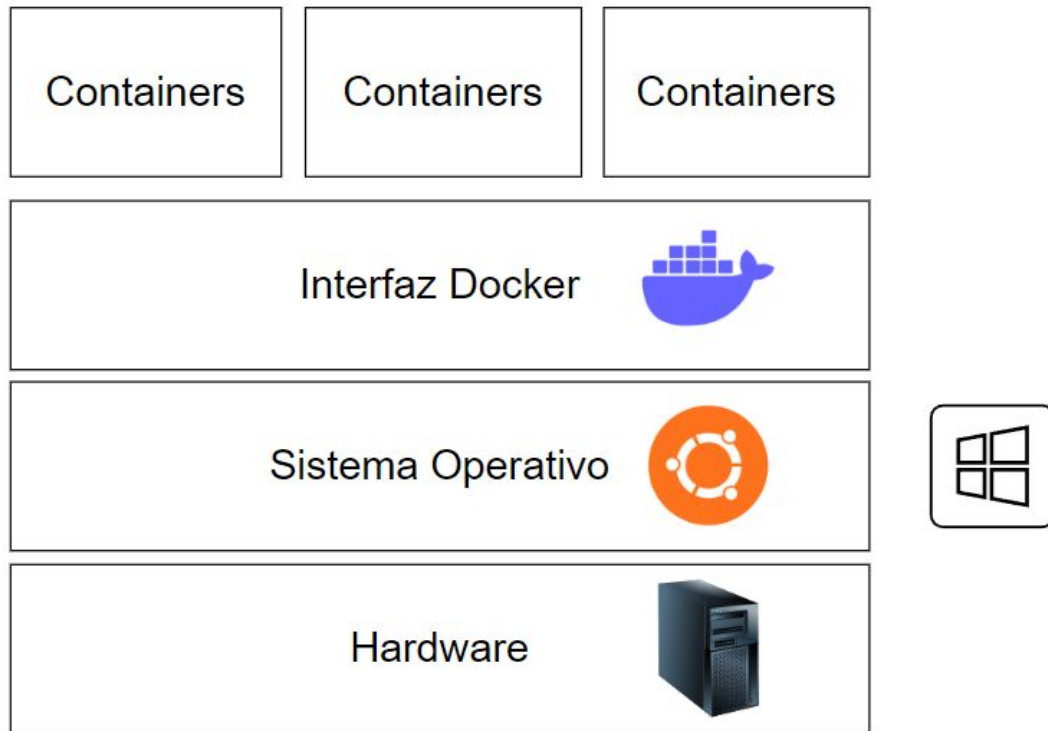
¿Por qué Docker?

~\ (ツ) ~

**IT WORKS**

*on my machine*

# ¿Qué es Docker?



# ¿Qué es Docker?

```
playground-bdd > Dockerfile > ...  
1 FROM python:3.14.0a5-bullseye  
2  
3 WORKDIR /app  
4  
5 COPY . /app  
6  
7 RUN pip install --no-cache-dir -r requirements.txt  
8  
9 CMD ["python3", "app.py"]  
10
```

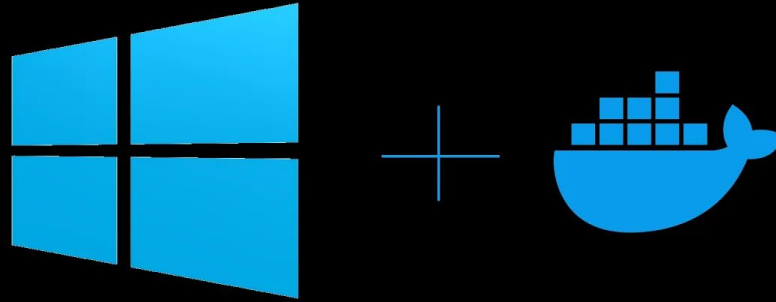
Dockerfile

# ¿Qué es Docker?

```
docker-compose.yml
1  > Run All Services
2  services:
3    > Run Service
4    front:
5      build:
6        context: ./front
7        dockerfile: Dockerfile
8      volumes:
9        - ./front:/app
10     ports:
11       - 3000:3000
12
13   > Run Service
14   gateway:
15     build:
16       context: ./gateway
17       dockerfile: Dockerfile
18     ports:
19       - 8000:8000
20     volumes:
21       - ./gateway:/app
22
23   > Run Service
24   scraper:
25     build:
26       context: ./scraper
27       dockerfile: Dockerfile
28     volumes:
29       - ./scraper:/app
30     ports:
31       - 8080:8080
32
33   > Run Service
34   database:
35     build:
36       context: ./database
37       dockerfile: Dockerfile-Database
38     ports:
39       - 5432:5432
40     volumes:
41       - db_data:/var/lib/postgresql/data
```

Docker compose file (yaml format)

# Instalación



WSL + Ubuntu + Docker

<https://www.youtube.com/watch?v=993bEqmOmSk>



# Vocabulario

**Docker Compose**

**Imagen**

**Volumen**

**Network**

**Servicio - Container**

**YAML**

**Docker CLI**

**Registro**





# Algunos Comandos

- `docker ps`
  - `-a`
- `docker exec`
  - `-it`
- `docker compose up`
  - `--build`
  - `-d`
- `docker compose down`
  - `-v`
- `docker logs`
  - `-f`
- `docker volume ls`
- `docker cp <path_local> <container>:<path_container>`

# Links Útiles

- [Docker hub](#) (Github para imágenes de Docker)
- [Docker CLI cheat sheet](#)
- [Docker Compose CLI cheat sheet](#)
- [Docker Docs](#)
- [Docker Engine Installation](#) (Ubuntu)
- [Página de la cátedra](#)



Fin!

**Preguntas? -> Slack o clase!**