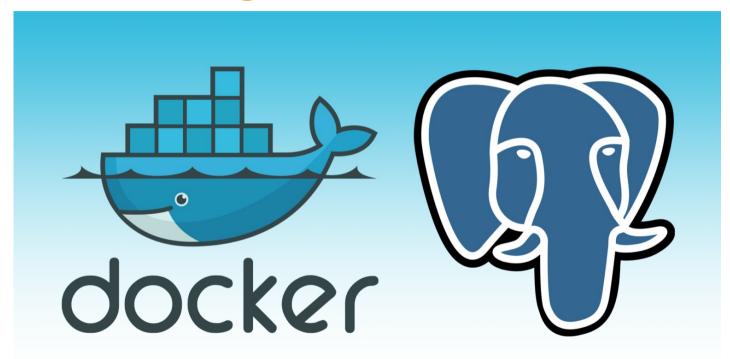
Bases de Datos Clase 2 Extra Taller 2 Postgres Sobre Docker (Otra forma de instalar PostgreSQL)

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Instalando Postgres usando Docker



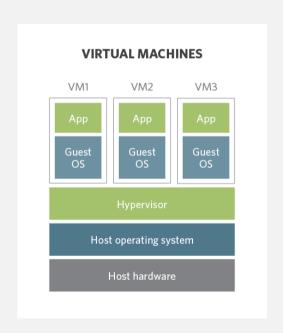
¿Que es Docker?

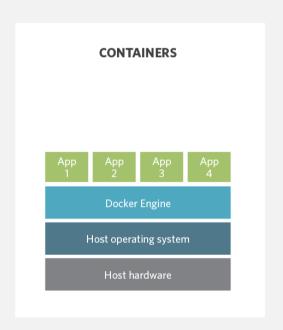
Es una capa adicional de abstracción y automatización de virtualización de aplicaciones en múltiples sistemas operativos.

Docker utiliza características de aislamiento de recursos del kernel Linux, tales como cgroups y espacios de nombres (namespaces) para permitir que "contenedores" independientes se ejecuten dentro de una sola instancia de Linux, evitando la sobrecarga de iniciar y mantener máquinas virtuales

¿Que es Docker?

Virtual machines versus containers





https://docs.docker.com/desktop/

Install Docker Desktop on Ubuntu

This page contains information on how to install, launch and upgrade Docker Desktop on an Ubuntu distribution.

DEB package

For checksums, see Release notes

https://docs.docker.com/engine/install/ubuntu/



```
sudo apt update
sudo apt install ca-certificates curl gnupg
sudo install -m 0755 -d /etc/apt/keyrings
curl -fsSL
https://download.docker.com/linux/ubuntu/gpg |
sudo gpg --dearmor -o
/etc/apt/keyrings/docker.gpg
sudo chmod a+r /etc/apt/keyrings/docker.gpg
```

https://docs.docker.com/engine/install/ubuntu/



```
echo
  "deb [arch="$(dpkg --print-architecture)"
signed-by=/etc/apt/keyrings/docker.gpg]
https://download.docker.com/linux/ubuntu \
  "$(. /etc/os-release && echo
"$VERSION_CODENAME")" stable" | \
  sudo tee /etc/apt/sources.list.d/docker.list
> /dev/null
```

https://docs.docker.com/engine/install/ubuntu/



sudo apt update
sudo apt install docker-ce docker-ce-cli
containerd.io docker-buildx-plugin dockercompose-plugin

sudo docker run hello-world

https://docs.docker.com/engine/install/ubuntu/



sudo systemctl --user start docker-desktop
sudo usermod -aG docker \$(whoami)

https://docs.docker.com/engine/install/ubuntu/



docker run hello-worlddocker

```
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
719385e32844: Pull complete
Digest: sha256:dcba6daec718f547568c562956fa47e1b03673dd010fe6ee58ca806767031d1c
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.
```

```
leo@leo-vm:~/Descargas$ docker --version
Docker version 24.0.5, build ced0996
leo@leo-vm:~/Descargas$

Accept All Cookles, you agree to the storing of cookles on your device to enhance
```

https://docs.docker.com/desktop/install/ubuntu/



```
docker run --network host --workdir /bdd --volume
$(pwd):/bdd --name panoramix-db -e
POSTGRES_PASSWORD=nolase.1 -d postgres:15
```

https://docs.docker.com/engine/install/ubuntu/



sudo systemctl --user start docker-desktop
sudo usermod -aG docker \$(whoami)

https://docs.docker.com/desktop/install/ubuntu/



docker start panoramix-db

https://docs.docker.com/desktop/install/ubuntu/



```
docker exec -it --user root panoramix-db bash
su - postgres
createdb mydb
psql -U postgres mydb
```

Muchas gracias!

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Material Disponible en:

https://gitlab.com/l30bravo/db_udp