
Bases de Datos

Clase 4 Extra

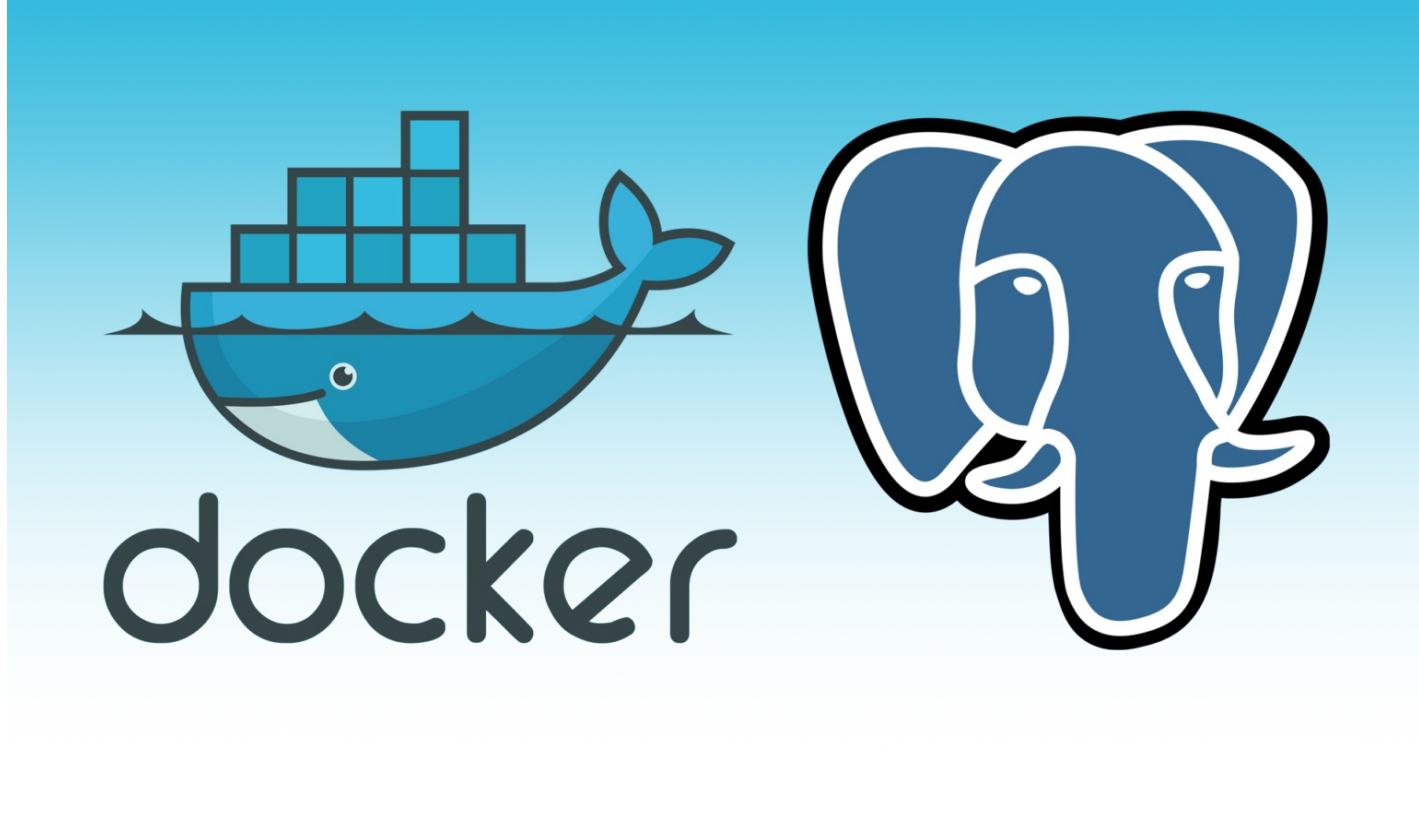
Taller 3

Postgres Sobre Docker

(Otra forma de instalar PostgreSQL)

Leonardo Bravo Illanes.
Escuela de Informática y Telecomunicaciones
Universidad Diego Portales

Instalando Postgres usando Docker



Contenedor de PostgreSQL

<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
```

Contenedor de PostgreSQL

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

```
docker start panoramix-db
```

Contenedor de PostgreSQL

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

```
docker exec -it --user root panoramix-db bash
```

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

Contenedor de PostgreSQL

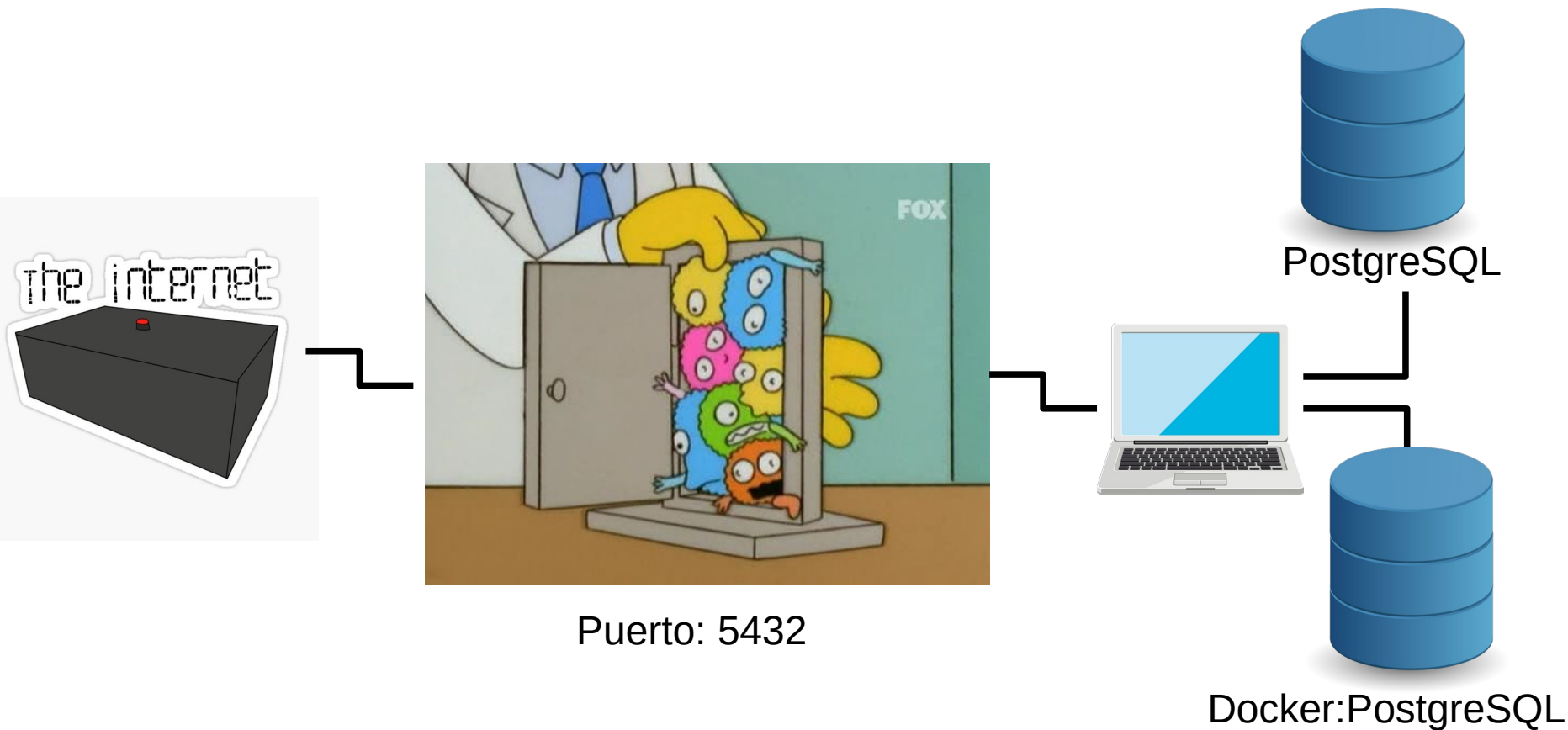
leo@leo-vm: ~/git/kimun-nextjs/resources/db

```
2023-08-16 13:46:48.947 UTC [1] HINT:  Is another postmaster already running on port 5432? If not, wait a few seconds and re
ry.
2023-08-16 13:46:48.947 UTC [1] LOG:  could not bind IPv6 address "::": Address already in use
2023-08-16 13:46:48.947 UTC [1] HINT:  Is another postmaster already running on port 5432? If not, wait a few seconds and re
ry.
2023-08-16 13:46:48.947 UTC [1] WARNING:  could not create listen socket for "*"
2023-08-16 13:46:48.948 UTC [1] FATAL:  could not create any TCP/IP sockets
2023-08-16 13:46:48.949 UTC [1] LOG:  database system is shut down
```

PostgreSQL Database directory appears to contain a database; Skipping initialization

```
2023-08-16 13:56:01.544 UTC [1] LOG:  starting PostgreSQL 15.4 (Debian 15.4-1.pgdg120+1) on x86_64-pc-linux-gnu, compiled by
gcc (Debian 12.2.0-14) 12.2.0, 64-bit
2023-08-16 13:56:01.545 UTC [1] LOG:  could not bind IPv4 address "0.0.0.0": Address already in use
2023-08-16 13:56:01.545 UTC [1] HINT:  Is another postmaster already running on port 5432? If not, wait a few seconds and re
ry.
2023-08-16 13:56:01.545 UTC [1] LOG:  could not bind IPv6 address "::": Address already in use
2023-08-16 13:56:01.545 UTC [1] HINT:  Is another postmaster already running on port 5432? If not, wait a few seconds and re
ry.
2023-08-16 13:56:01.545 UTC [1] WARNING:  could not create listen socket for "*"
2023-08-16 13:56:01.545 UTC [1] FATAL:  could not create any TCP/IP sockets
2023-08-16 13:56:01.546 UTC [1] LOG:  database system is shut down
```

Contenedor de PostgreSQL



Contenedor de PostgreSQL

Cambiando el puerto de PostgreSQL
Del 5432 a 5433

```
/etc/postgresql/14/main  
postgres@leo-vm:/etc/postgresql/14/main$ ls  
conf.d  environment  pg_ctl.conf  pg_hba.conf  pg_ident.conf  postgresql.conf  start.conf  
postgres@leo-vm:/etc/postgresql/14/main$ █
```


Contenedor de PostgreSQL

Restart y:

```
install_db.sh  notas.txt  panoramix_model.dbm  panoramix.png  panoramix.sql  start_db.sh  terminal_db.sh
leo@leo-vm:~/git/kimun-nextjs/resources/db$ bash start_db.sh
panoramix-db
leo@leo-vm:~/git/kimun-nextjs/resources/db$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS          NAMES
242923a5c6f7   postgres:15   "docker-entrypoint.s..."  42 hours ago  Up 1 second   5432/tcp       panoramix-db
leo@leo-vm:~/git/kimun-nextjs/resources/db$
```

Muchas gracias!

Correo:

leonardo.bravo@mail.udp.cl

Material Disponible en:

https://gitlab.com/l30bravo/db_udp