Integrante

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Bitácora

- Sistema operativo, distribución v versión: Linux Ubuntu 22.04.4 LTS
- Versión de la instalación:
 - Docker version 27.1.2, build d01f264
 - PostgreSQL psql (16.4 (Debian 16.4-1.pgdg120+1))
 - DBeaver version 24.1.5.202408181605
- Tiempo requerido: 1 hora
- Proceso de instalación:
 - 1. Instalación de paquetes de requisitos previos, (solo se requirió 1).

```
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx: ~
                                                                Q ≡
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~$ sudo apt install apt-transp
ort-https ca-certificates curl software-properties-common
[sudo] password for plexus:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (20230311ubuntu0.22.04.1).
ca-certificates set to manually installed.
curl is already the newest version (7.81.0-1ubuntu1.17).
software-properties-common is already the newest version (0.99.22.9).
software-properties-common set to manually installed.
The following package was automatically installed and is no longer required:
 nvidia-firmware-535-535.171.04
Use 'sudo apt autoremove' to remove it.
The following NEW packages will be installed:
 apt-transport-https
0 upgraded, 1 newly installed, 0 to remove and 14 not upgraded.
Need to get 1 510 B of archives.
After this operation, 170 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://mx.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 apt-trans
port-https all 2.4.12 [1 510 B]
Fetched 1 510 B in 0s (6 011 B/s)
Selecting previously unselected package apt-transport-https.
(Reading database ... 339601 files and directories currently installed.)
Preparing to unpack .../apt-transport-https 2.4.12 all.deb ...
Unpacking apt-transport-https (2.4.12) ...
Setting up apt-transport-https (2.4.12) ...
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~$
```

2. Clave de GPC para el repositorio de Docker, (error comando obsoleto)

```
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~ Q = - □ ×

plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~$ curl -fsSL https://download
.docker.com/linux/ubuntu/gpg | sudo apt-key add -
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (s
ee apt-key(8)).

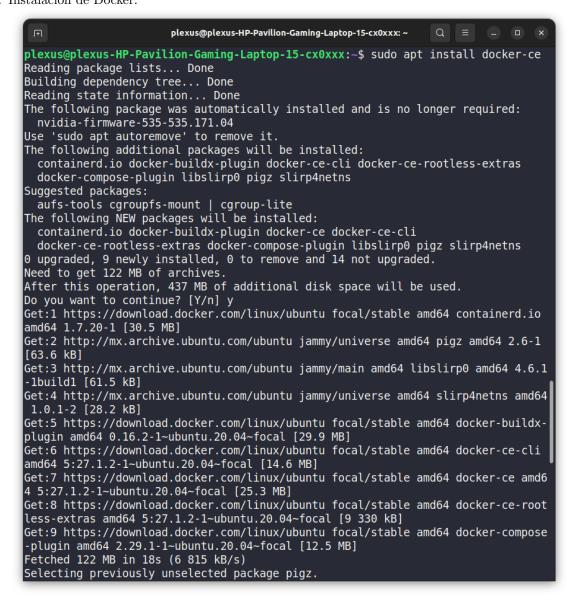
OK

plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~$
```

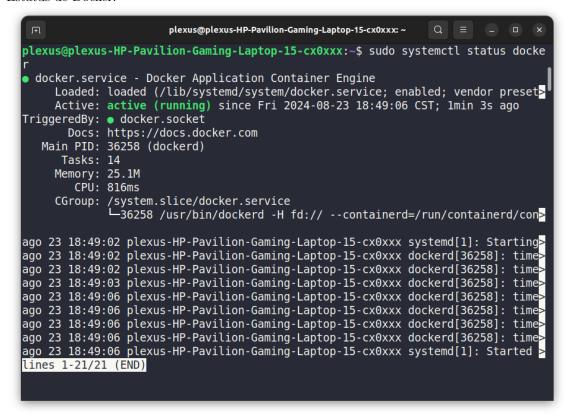
3. Agregando el repositorio a las fuentes APT, (advertencia).

```
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx: ~
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~$ sudo add-apt-repository "de
b [arch=amd64] https://download.docker.com/linux/ubuntu focal stable"
Repository: 'deb [arch=amd64] https://download.docker.com/linux/ubuntu focal sta
ble'
Description:
Archive for codename: focal components: stable
More info: https://download.docker.com/linux/ubuntu
Adding repository.
Press [ENTER] to continue or Ctrl-c to cancel.
Adding deb entry to /etc/apt/sources.list.d/archive uri-https download docker co
m_linux_ubuntu-jammy.list
Adding disabled deb-src entry to /etc/apt/sources.list.d/archive uri-https downl
oad docker com linux ubuntu-jammy.list
Get:1 https://download.docker.com/linux/ubuntu focal InRelease [57.7 kB]
Get:3 https://cli.github.com/packages stable InRelease [3 917 B]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Hit:2 https://packages.microsoft.com/repos/code stable InRelease
Get:5 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages [48.8
Hit:6 http://mx.archive.ubuntu.com/ubuntu jammy InRelease
Get:7 http://mx.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Hit:8 https://ppa.launchpadcontent.net/inkscape.dev/stable/ubuntu jammy InReleas
Hit:9 http://mx.archive.ubuntu.com/ubuntu jammy-backports InRelease
Fetched 367 kB in 2s (200 kB/s)
Reading package lists... Done
W: https://download.docker.com/linux/ubuntu/dists/focal/InRelease: Key is stored
in legacy trusted.gpg keyring (/etc/apt/trusted.gpg), see the DEPRECATION secti
on in apt-key(8) for details.
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~$
```

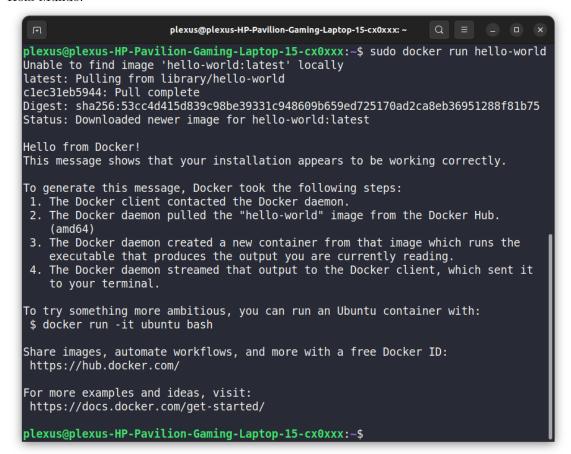
4. Instalación de Docker.



5. Estatus de Docker.



6. Hola Mundo.



7. Descarga de la imagen de postgres.

```
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx: ~
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~$ sudo docker pull postgres
Using default tag: latest
latest: Pulling from library/postgres
e4fff0779e6d: Pull complete
3dd23fa89c28: Pull complete
9110f5284332: Pull complete
b2a5b191a941: Pull complete
f0baaf1c42c6: Pull complete
3c42bd6bf488: Pull complete
cb55f9f5ebf8: Pull complete
6eeec50ef8e1: Pull complete
ba3d1f8aa002: Pull complete
199cdf05dfec: Pull complete
438d147df750: Pull complete
a2e706f2e593: Pull complete
2505d0b60422: Pull complete
133de8acf4aa: Pull complete
Digest: sha256:c62fdb7fd6f519ef425c54760894c74e8d0cb04fbf4f7d3d79aafd86bae24edd
Status: Downloaded newer image for postgres:latest
docker.io/library/postgres:latest
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~$
```

8. Creación del contenedor.

```
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~ Q = - - ×

plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~ $ sudo docker run -d --name p

ostgres -e POSTGRES_PASSWORD=2025 -p 5432:5432 postgres

158305868c58adbe9da24fe17cd4d7aaca83e2df772d33150fbf90b8aafb8b96

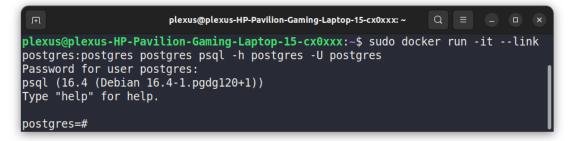
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~$
```

9. Inicialización del contenedor.

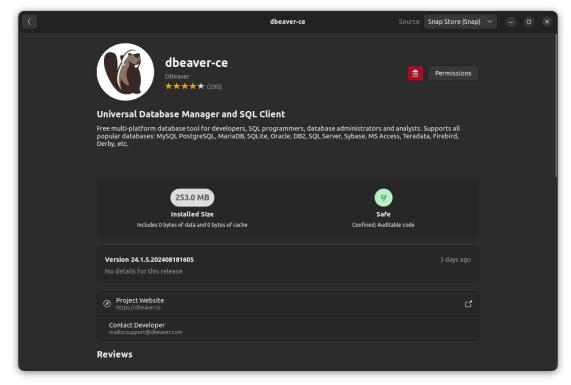
```
plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~Q \(\exists = \box \text{D} \times \)

plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~$ sudo docker start 158305868 c58adbe9da24fe17cd4d7aaca83e2df772d33150fbf90b8aafb8b96 158305868c58adbe9da24fe17cd4d7aaca83e2df772d33150fbf90b8aafb8b96 plexus@plexus-HP-Pavilion-Gaming-Laptop-15-cx0xxx:~$
```

10. Conexión a PostgreSQL.

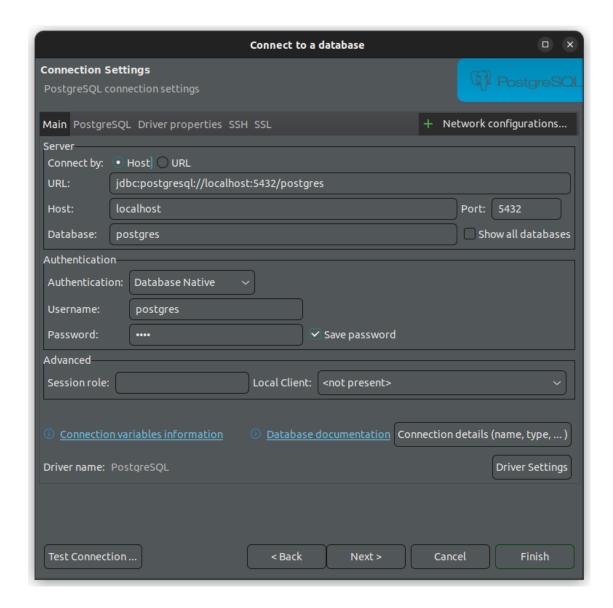


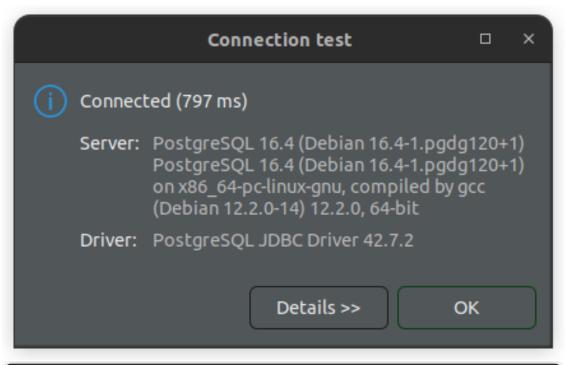
11. Instalación de DBeaver a través de la tienda Snap.

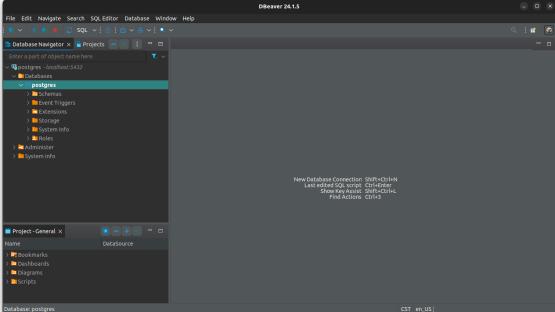


12. Conexión a DBeaver.









■ Comentarios y problemas: Tuve mis dudas sobre el error y la advertencia en el paso 2 y 3 pero parece ser que no afectó en nada a la instalación (hasta lo que sé). Además, como no pude asistir al laboratorio, me tomó más tiempo seguir el tutorial por la parte de la conexión de DBeaver así que tuve que buscarlo en internet. Fuera de eso todo salió como se esperaba.