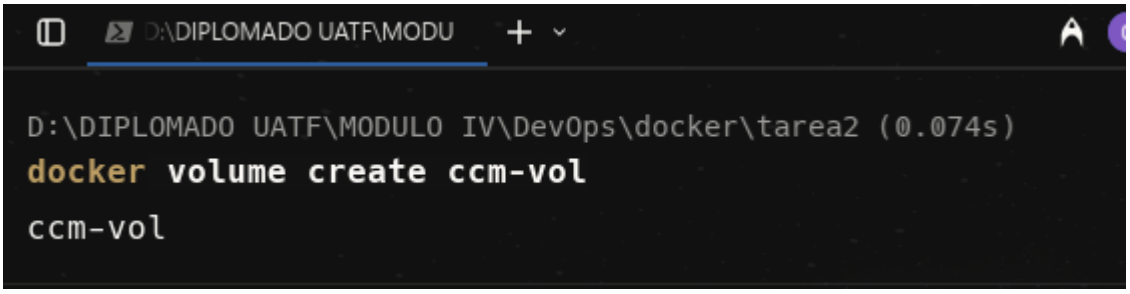
1. Crear un volumen para almacenar la información de la base de datos.




```
D:\DIPLOMADO UATF\MODULO IV\DevOps\docker\tarea2 (0.106s)
docker volume ls
DRIVER    VOLUME NAME
local     2388f744e48b151160eedd70e41a45e330d325508ab47330c8deec5879ca687b
local     ccm-vol
```

2. Montar la imagen de postgres

```
D:\DIPLOMADO UATF\MODULO IV\DevOps\docker\examen-postgres (0.044s)
cat docker-compose.yaml
```

```
D:\DIPLOMADO UATF\MODULO IV\DevOps\docker\examen-postgres (0.03s)
cat docker-compose.yaml
```

```
version: '3.8'
services:
  db:
    image: postgres:15-alpine
    container_name: postgres_db
    volumes:
      - ccm-vol:/var/lib/postgresql/data
    environment:
      - POSTGRES_PASSWORD=123456
```

3. crear contenedor

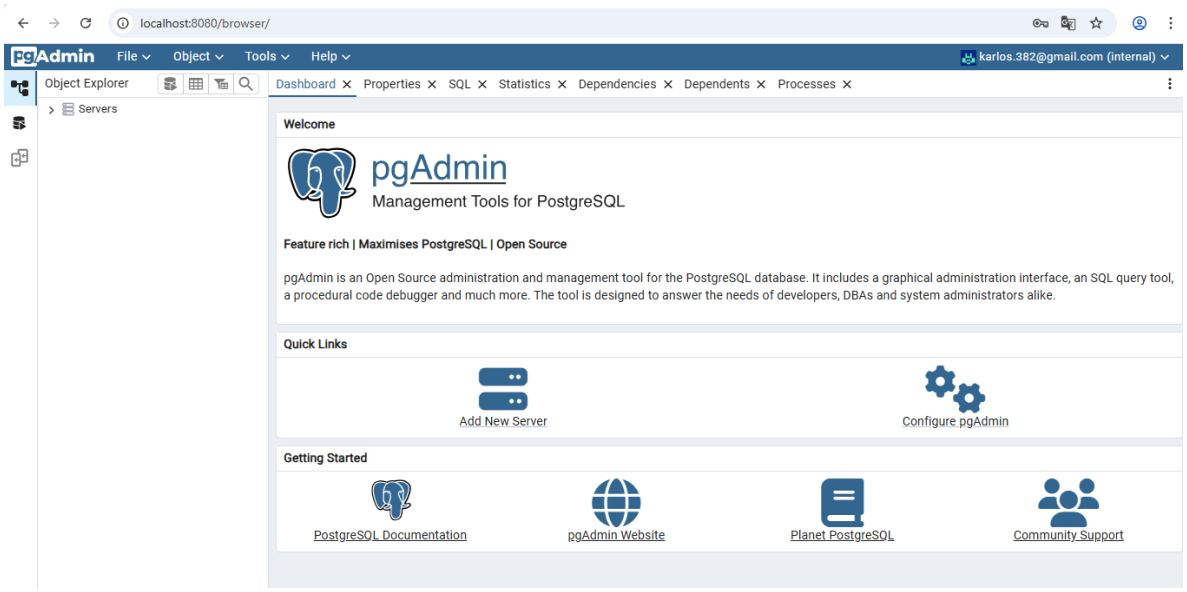
```
D:\DIPLOMADO UATF\MODULO IV\DevOps\docker\examen-postgres (1m 33.56s)
docker container run -d --name pgAdmin -e PGADMIN_DEFAULT_PASSWORD=pass-pgAdmin -e PGADMIN_DEFAULT_EMAIL=karlos.382@gmail.com -p 8080:80 dpage/pgadmin4
Unable to find image 'dpage/pgadmin4:latest' locally
latest: Pulling from dpage/pgadmin4
f18232174bc9: Pull complete
20690bbb262d: Pull complete
7c48c5894605: Pull complete
35d02455d858: Pull complete
19c31ea47cfb: Pull complete
9b4f03ce919b: Pull complete
f3888f615432: Pull complete
02f79b30c1ff: Pull complete
77da47c991ce: Pull complete
5c5e4eb233fb: Pull complete
8f4e00ca85d9: Pull complete
218ba7b7b321: Pull complete
e32d37330f9b: Pull complete
3c2f6c5c12fe: Pull complete
494696b06e5e: Pull complete
abdb8f7da7a0: Pull complete
Digest: sha256:6b1c0db09695758c72abcd5160b7c4cc6d0847ab0c90a2403bdbf951f0defb5a
Status: Downloaded newer image for dpage/pgadmin4:latest
91e4c99b4990acf025eac3ae4e28e7494e5e5a0643350b84bbfd3997348cfe8b
```

```
D:\DIPLOMADO UATF\MODULO IV\DevOps\docker\examen-postgres (0.168s)
docker network create ccm-red
3a1c0087ecd42399a8b67685d170971887333cb66baf9c02ccbeca75d877e442
```

```
D:\DIPLOMADO UATF\MODULO IV\DevOps\docker\examen-postgres (0.203s)
docker network connect ccm-red postgres-db
```

```
D:\DIPLOMADO UATF\MODULO IV\DevOps\docker\examen-postgres (0.148s)
docker network connect ccm-red pgAdmin
```

4. ingresar a pgAdmin con las credenciales




5. conectar