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1. Creación de volumen para almacenar la información de la BD.

/> docker volume create mee-vol

```
E:\_DIPLOMADomoni\Modulo 4\Examen1 (0.114s)
docker volume create mee-vol
mee-vol
```

```
E:\_DIPLOMADomoni\Modulo 4\Examen1 A Agents Ctrl I
docker run -d --v mee-vol:/var/lib/postgresql/data --name postgres_db postgres:15-alpine

E:\_DIPLOMADomoni\Modulo 4\Examen1 (0.098s)
docker inspect mee-vol
[
  {
    "CreatedAt": "2025-06-03T04:36:29Z",
    "Driver": "local",
    "Labels": null,
    "Mountpoint": "/var/lib/docker/volumes/mee-vol/_data",
    "Name": "mee-vol",
    "Options": null,
    "Scope": "local"
  }
]
```

```
E:\_DIPLOMADomoni\Modulo 4\Examen1 A Agents Ctrl I
docker run -d --v mee-vol:/app/data --name my-app my-image

Inspect the volume named mee-vol. Ctrl Shift I

E:\_DIPLOMADomoni\Modulo 4\Examen1 (0.104s)
docker volume ls
DRIVER      VOLUME NAME
local       55ad2965ff2caf06dbc0af88eb4071be9e30930cbdee5936a9d6f27367c0ab7c
local       mee-vol
```

2. Montar la imagen de Postgres

/> docker run -d --name postgres-db -e POSTGRES_PASSWORD=PassDocker -v mee-vol:/var/lib/postgresql/data postgres

```
E:\_DIPLOMADomoni\Modulo 4\Examen1 A Agents Ctrl I
docker exec -it postgres-db psql -U postgres

Help me manage running containers. Ctrl Shift I

E:\_DIPLOMADomoni\Modulo 4\Examen1 (0.119s)
docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS        NAMES
e6e75740cbad   postgres      "docker-entrypoint.s..." 3 minutes ago  Up 3 minutes  5432/tcp     postgres-db
4591b4ab3af7   postgres:15-alpine "docker-entrypoint.s..." 55 minutes ago Up 55 minutes  5432/tcp     postgres_db

E:\_DIPLOMADomoni\Modulo 4\Examen1 (0.145s)
docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS        NAMES
e6e75740cbad   postgres      "docker-entrypoint.s..." 3 minutes ago  Up 3 minutes  5432/tcp     postgres-db
4591b4ab3af7   postgres:15-alpine "docker-entrypoint.s..." 55 minutes ago Up 55 minutes  5432/tcp     postgres_db
3fd6d029254c   httpd         "httpd-foreground"      33 hours ago   Exited (0) 26 hours ago             hopeful_taussig
62cf0826471    httpd         "httpd-foreground"      33 hours ago   Exited (0) 33 hours ago             laughing_brown
b11f86216b51   hello-world   "/hello"                 34 hours ago   Exited (0) 34 hours ago             relaxed_lumiere

E:\_DIPLOMADomoni\Modulo 4\Examen1 (41.355s)
docker run -d --name postgres-db -e POSTGRES_PASSWORD=PassDocker -v mee-vol:/var/lib/postgresql/data postgres
Unable to find image 'postgres:latest' locally
latest: Pulling from library/postgres
e7aba16d6a5e: Pull complete
475b0e32b814: Pull complete
6ce13d85dabe: Pull complete
418cd7ec9a40: Pull complete
82697a7976df: Pull complete
7e11eb1421f3: Pull complete
bd1fa28722bb: Pull complete
2bb588ce4e67: Pull complete
3db9b37be7c3: Pull complete
```

3. Crear contenedor pgAdmin

```
/> docker run -d --name pgAdmin -e PGADMIN_DEFAULT_EMAIL=moniee@google.com -e PGADMIN_DEFAULT_PASSWORD=pass-pgAdmin -p 8080:80 dpape/pgadmin4
```

```
E:\_DIPLOMAD0moniModu - ssh + -
E:\_DIPLOMAD0moniModulo 4\Examen1 Agents Ctrl I
jocker ps ->
Check the status of the running container. Ctrl Shift d

E:\_DIPLOMAD0moniModulo 4\Examen1 (1m 12.54s)
docker run -d --name pgAdmin -e PGADMIN_DEFAULT_EMAIL=moniee@google.com -e PGADMIN_DEFAULT_PASSWORD=pass-pgAdmin -p 8080:80 dpape/pgadmin4
Unable to find image 'dpape/pgadmin4:latest' locally
latest: Pulling from dpape/pgadmin4
abdb8f7da7a0: Pull complete
8f4e00ca85d9: Pull complete
e32d37330f9b: Pull complete
35d82455d858: Pull complete
f18232174bc9: Pull complete
3c2f6c5c12fe: Pull complete
02f79b30e1ff: Pull complete
20690bb262d: Pull complete
218ba7b76321: Pull complete
77da47c991ce: Pull complete
494696b06e5e: Pull complete
5c5e4eb233fb: Pull complete
9b4f83ce919b: Pull complete
f3888f615432: Pull complete
19c31ca47cfb: Pull complete
7c48a5894605: Pull complete
Digest: sha256:6b1c0db09695758c72abed5160b7c4cc6d0847ab0c90a2403bdf951f0defb5a
Status: Downloaded newer image for dpape/pgadmin4:latest
7576429fae8e13ab86f37883c3721f8b1685e539bcca61cb6cda02b81d51f41a
```

```
E:\_DIPLOMAD0moniModu - ssh + -
E:\_DIPLOMAD0moniModulo 4\Examen1 Agents Ctrl I
docker stop 4591 ->
Help me manage running containers. Ctrl Shift d

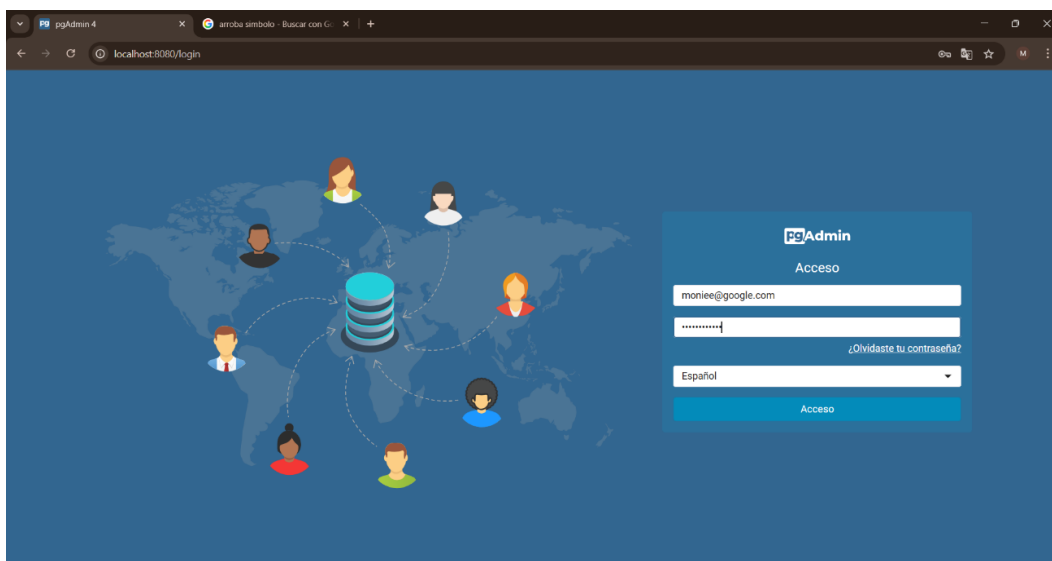
E:\_DIPLOMAD0moniModulo 4\Examen1 (0.122s)
docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS
7576429fae8e   pgAdmin    "/entrypoint.sh"         7 minutes ago Up 7 minutes  443/tcp, 0.0.0.0:8080->80/tcp
e6e75740cbad   postgres  "docker-entrypoint.s..." 29 minutes ago Up 29 minutes  5432/tcp
4591b4ab3af7   postgres:15-alpine "docker-entrypoint.s..." About an hour ago Up About an hour  5432/tcp
```

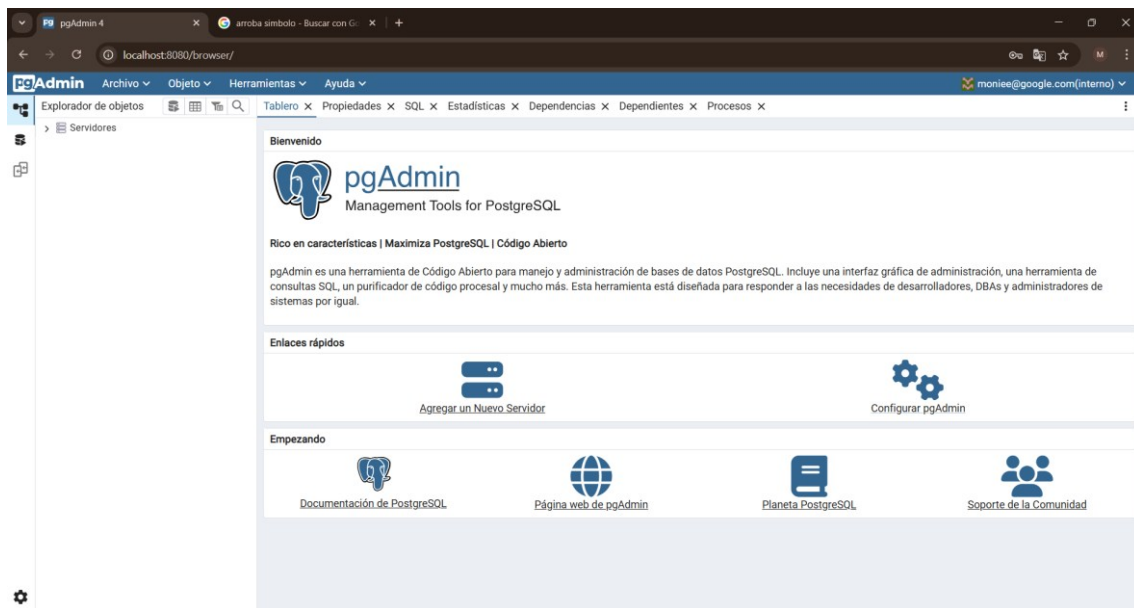
4. Ingresamos a pgAdmin

<http://localhost:8080>

Email: moniee@google.com

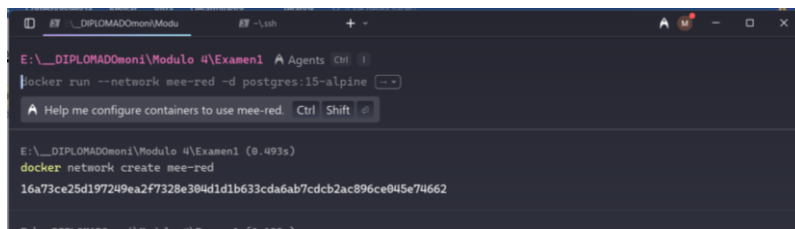
Contraseña: pass-pgAdmin





Creación de la red personalizada

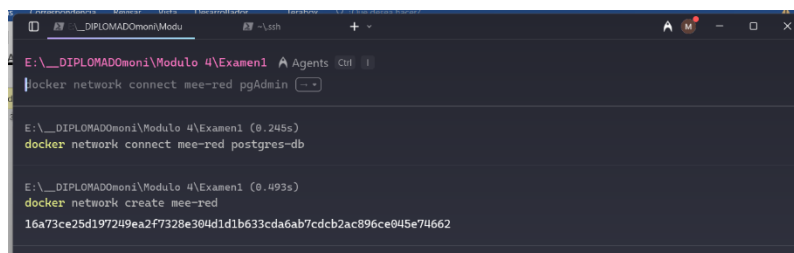
/> docker network create mee-red



5. Conectar ambos contenedores a la red mee-red

Conectamos PostgreSQL a la red

/> docker network connect mee-red postgres-db



Conectamos pgAdmin a la red

/> docker network connect mee-red pgAdmin

```
Configuración PostgreSQL y pgAdmin con Docker - Word (Error de activación de productos)
Consola de comandos - PowerShell - Docker - Word (Error de activación de productos)
E:\_DIPLOMADOMoni\Modulo 4\Examen1 > docker container rm 4591b4ab3af7 -f
E:\_DIPLOMADOMoni\Modulo 4\Examen1 (0.169s) > docker network connect mee-red pgAdmin
E:\_DIPLOMADOMoni\Modulo 4\Examen1 (0.245s) > docker network connect mee-red postgres-db
E:\_DIPLOMADOMoni\Modulo 4\Examen1 (0.493s) > docker network create mee-red
16a73ce25d197249ea2f7328e304d1d1b633cda6ab7cdcb2ac896ce045e74662
```

Conexión PostgreSQL desde pgAdmin

