EXAMEN N° 1

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MODULO:DESPLIEGUE Y DEVOPS

FECHA:P/03/06/2025

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

2. Montar la imagen de postgres

3. Crear contenedor pgAdmin

```
VICTORIA@DESKTOP-QI1U8Q9 MINGW64 ~
$ docker run -d -p 8080:80 --name pgAdmin -e PGADMIN_DEFAULT_PASSWORD=pass-pgAdmin -e PGADMIN_DEFAULT_EMAIL=correo@google.
com dpage/pgadmin4
Unable to find image 'dpage/pgadmin4:latest' locally
latest: Pulling from dpage/pgadmin4
f18232174bc9: Pull complete
7c48c5894605: Pull complete
8f4e00ca85d9: Pull complete
20690bbb262d: Pull complete
5c5e4eb233fb: Pull complete
218ba7b7b321: Pull complete
77da47c991ce: Pull complete
9b4f03ce919b: Pull complete
02f79b30c1ff: Pull complete
e32d37330f9b: Pull complete
abdb8f7da7a0: Pull complete
19c31ea47cfb: Pull complete
f3888f615432: Pull complete
3c2f6c5c12fe: Pull complete
35d02455d858: Pull complete
494696b06e5e: Pull complete
Digest: sha256:6b1c0db09695758c72abcd5160b7c4cc6d0847ab0c90a2403bdbf951f0defb5a
Status: Downloaded newer image for dpage/pgadmin4:latest
0e6124525c57612f19a31ebf6f8eb2be99f4b74ff304ce5f215bc3353c09bbf1

VICTORIA@DESKTOP-QI1U8Q9 MINGW64 ~
$ docker ps-a
docker: unknown command: docker ps-a

Run 'docker --help' for more information

VICTORIA@DESKTOP-QI1U8Q9 MINGW64 ~
$ docker ps -a
CONTAINER ID    IMAGE           COMMAND              CREATED          STATUS          PORTS
     NAMES
0e6124525c57    dpage/pgadmin4  "/entrypoint.sh"     About a minute ago  Up 59 seconds   443/tcp, 0.0.0.0:8080->80/tc
p    pgAdmin
9f7b7b079ec2    postgres        "docker-entrypoint.s…"  6 minutes ago   Up 6 minutes    5432/tcp
     postgres
```
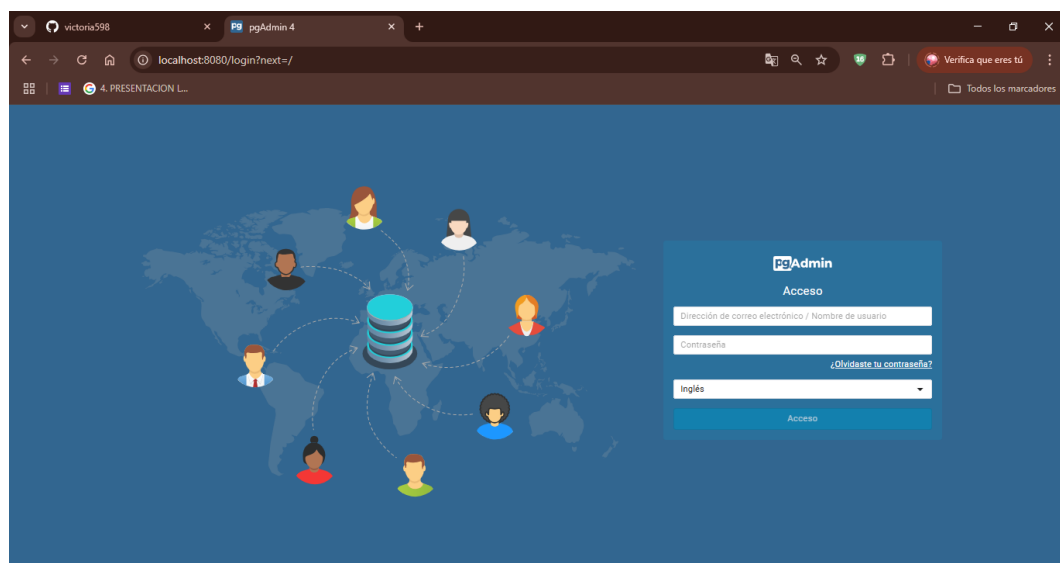
4. Ingresar a pgAdmin con las credenciales


```
VICTORIA@DESKTOP-QI1U8Q9 MINGW64 ~
$ docker network create mvqv-red
f3bcab8b6b103a8b25267a4b30630cd955a8ea72061583f72ebd5dc8564f32b7

VICTORIA@DESKTOP-QI1U8Q9 MINGW64 ~
$ docker network ls
NETWORK ID      NAME        DRIVER      SCOPE
ec5377dbd486    bridge      bridge      local
e0df7862e7ff    host        host        local
f3bcab8b6b10    mvqv-red    bridge      local
654abf4728f6    none        null        local
```
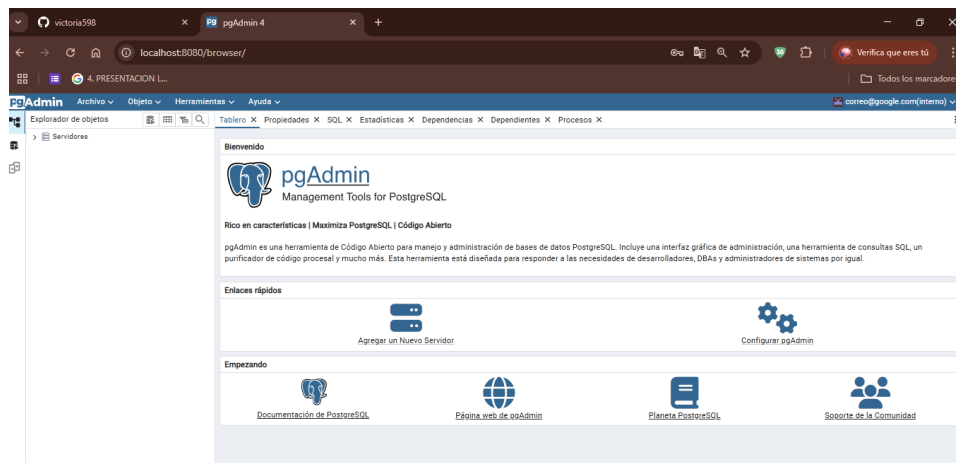
5. Conectar ambos contenedores a la red mvqv-red

```
VICTORIA@DESKTOP-QI1U8Q9 MINGW64 ~
$ docker network inspect mvqv-red
[
    {
        "Name": "mvqv-red",
        "Id": "f3bcab8b6b103a8b25267a4b30630cd955a8ea72061583f72ebd5dc8564f32b7",
        "Created": "2025-06-03T04:51:37.120109611Z",
        "Scope": "local",
        "Driver": "bridge",
        "EnableIPv4": true,
        "EnableIPv6": false,
        "IPAM": {
            "Driver": "default",
            "Options": {},
            "Config": [
                {
                    "Subnet": "172.18.0.0/16",
                    "Gateway": "172.18.0.1"
                }
            ]
        },
        "Internal": false,
        "Attachable": false,
        "Ingress": false,
        "ConfigFrom": {
            "Network": ""
        },
        "ConfigOnly": false,
        "Containers": {
            "0e6124525c57612f19a31ebf6f8eb2be99f4b74ff304ce5f215bc3353c09bbf1": {
                "Name": "pgAdmin",
                "EndpointID": "f34ff9220c3c9018ea3f153c6e177ac7126af803acfbf4f7f8bb33a6c33ceb57",
                "MacAddress": "0e:c3:4d:32:45:1f",
                "IPv4Address": "172.18.0.3/16",
                "IPv6Address": ""
            },
            "9f7b7b079ec2ad64402e4579eb23693034d87ec6dcf9aba184a657e46f518b21": {
                "Name": "postgres",
                "EndpointID": "361c5290afbb65ae3a1c657557bc959e61f147c2b26290d16e9999782f59be04",
                "MacAddress": "4a:c2:78:85:bf:45",
                "IPv4Address": "172.18.0.2/16",
                "IPv6Address": ""
            }
        },
        "Options": {
            "com.docker.network.enable_ipv4": "true",
            "com.docker.network.enable_ipv6": "false"
        },
        "Labels": {}
    }
```