EVALUACIÓN

Estudiante: *Estefany María Mamani Colque*

1. Crear volumen

```
~ (0.119s)
docker volume create emmc-vol
emmc-vol


~ (19.806s)
docker pull postgres
Using default tag: latest
latest: Pulling from library/postgres
2bb588ce4e67: Pull complete
7c852ebdd63e: Pull complete
475b0e32b814: Pull complete
6ce13d85dabe: Pull complete
bd1fa28722bb: Pull complete
89ba8b615fa9: Pull complete
e7aba16d6a5e: Pull complete
410cd7ec9a40: Pull complete
7e11eb1421f3: Pull complete
3db9b37be7c3: Pull complete
e9a82aed48d7: Pull complete
28708ff4e046: Pull complete
82697a7976df: Pull complete
Digest: sha256:6efd0df010dc3cb40d5e33e3ef84acecc5e73161bd3df06029ee8698e5e12c60
Status: Downloaded newer image for postgres:latest
docker.io/library/postgres:latest


~ (0.319s)
docker image ls

REPOSITORY        TAG         IMAGE ID        CREATED        SIZE
postgres          15-alpine   b86604df02ea    3 days ago     391MB
elestio/pgadmin   latest      20cefc78b26b    3 days ago     805MB
```
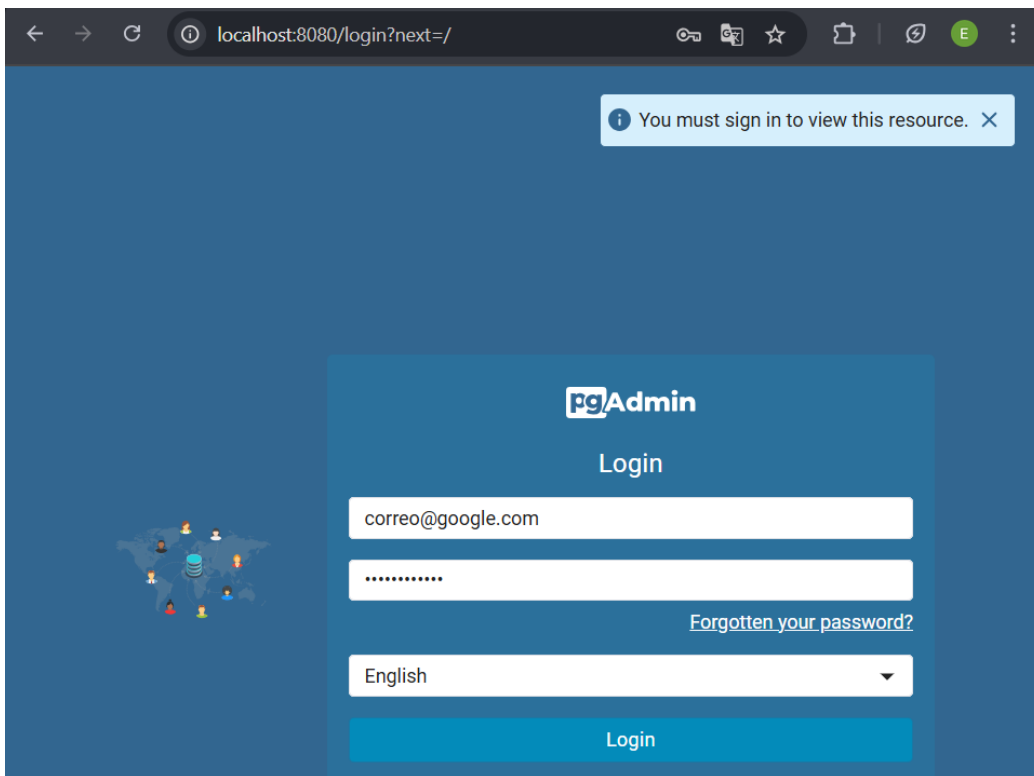
2. *Montar imagen de postgres*

```
~ (0.913s)
docker container run -d --name postgres_db -e POSTGRES_PASSWORD=PassDocker -v emmc-vol:/var/lib/postgresql/data postgres:latest
fcea41c6bf1438dea4cbac72665e68e417391087e6753c62f54f7ed03ecbee23
```

3. Crear contenedor pdAdmin


```
~ (58.995s)                                                    ✦ ⬇ ▽ ⋮
docker container run -d --name pgAdmin -e PGADMIN_DEFAULT_EMAIL=correo@google.com -e PGAD
MIN_DEFAULT_PASSWORD=pass-pgAdmin -p 8080:80 dpage/pgadmin4
Unable to find image 'dpage/pgadmin4:latest' locally
latest: Pulling from dpage/pgadmin4
abdb8f7da7a0: Pull complete
20690bbb262d: Pull complete
19c31ea47cfb: Pull complete
9b4f03ce919b: Pull complete
77da47c991ce: Pull complete
494696b06e5e: Pull complete
8f4e00ca85d9: Pull complete
35d02455d858: Pull complete
218ba7b7b321: Pull complete
f3888f615432: Pull complete
02f79b30c1ff: Pull complete
3c2f6c5c12fe: Pull complete
e32d37330f9b: Pull complete
5c5e4eb233fb: Pull complete
7c48c5894605: Pull complete
Digest: sha256:6b1c0db09695758c72abcd5160b7c4cc6d0847ab0c90a2403bdbf951f0defb5a
Status: Downloaded newer image for dpage/pgadmin4:latest
ad68bd86651729e2d26805aaa9d0cb1be0d439288524dabb5948249f9d852709
```

4. *Ingresar pgAdmin con las credenciales*

5. *Conectar ambos contenedores a la red emmc-red*

```
~ (0.341s)
docker network create emmc-red
752ec897d8ef330d8e5648a09ba73bc5be342ccba086270462bab2e756132510


~ (0.124s)
docker network ls

NETWORK ID      NAME                              DRIVER    SCOPE
f20c6f88f188    bridge                            bridge    local
752ec897d8ef    emmc-red                          bridge    local
dbe9a76fc980    host                              host      local
bba05fc28164    none                              null      local
55b123908e4a    postgresphpmyadmin_default        bridge    local
```

```
~ (0.232s)
docker ps

CONTAINER ID    IMAGE              COMMAND              CREATED         STATUS          PORTS                              NAMES
ad68bd866517    dpage/pgadmin4     "/entrypoint.sh"     6 minutes ago   Up 6 minutes    443/tcp, 0.0.0.0:8080->80/tcp      pgAdmin
fcea41c6bf14    postgres:latest    "docker-entrypoint.s…"  13 minutes ago  Up 13 minutes   5432/tcp                           postgres_db

~ (0.326s)
docker network connect emmc-red pgAdmin

~ (0.359s)
docker network connect emmc-red postgres_db
```

```
docker network inspect emmc-red
                    Gateway : 172.19.0.1
                }
            ]
        },
        "Internal": false,
        "Attachable": false,
        "Ingress": false,
        "ConfigFrom": {
            "Network": ""
        },
        "ConfigOnly": false,
        "Containers": {
            "ad68bd86651729e2d26805aaa9d0cb1be0d439288524dabb5948249f9d852709": {
                "Name": "pgAdmin",
                "EndpointID": "ee9eef2bb260c2871020a0eca39ad93defa00d64aab3f683eb8160da5259f5d0",
                "MacAddress": "a2:e6:72:31:e1:f6",
                "IPv4Address": "172.19.0.2/16",
                "IPv6Address": ""
            },
            "fcea41c6bf1438dea4cbac72665e68e417391087e6753c62f54f7ed03ecbee23": {
                "Name": "postgres_db",
                "EndpointID": "ce26d5fceeac2437128fbdc8d3210165c90ecdce03b3b1a3465e0c80acdf9ffd",
                "MacAddress": "fe:f4:6c:f7:5e:c4",
                "IPv4Address": "172.19.0.3/16",
                "IPv6Address": ""
            }
        },
        "Options": {
            "com.docker.network.enable_ipv4": "true",
            "com.docker.network.enable_ipv6": "false"
        },
        "Labels": {}
    }
]
```

Register - Server   ✕

General | Connection | Parameters | SSH Tunnel | Advanced | Post Connection SQL | Tags

Host name/address
postgres_db

Port
5432

Maintenance database
postgres

Username
postgres

Kerberos authentication?

Password
••••••••••

Save password?

Role

Service

ℹ ❓   ✕ Close   ↺ Reset   💾 Save

← → ⟳ ⓘ localhost:8080/browser/

pgAdmin   File ∨   Object ∨   Tools ∨   Help ∨   correo@google.com (internal) ∨

Object Explorer

Dashboard ✕ | Properties ✕ | SQL ✕ | Statistics ✕ | Dependencies ✕ | Dependents ✕ | Processes ✕

Activity State Configuration Logs System

- Servers (1)
  - postgres
    - Databases (2)
      - Estefany
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas
        - Subscriptions
      - postgres
    - Login/Group Roles
    - Tablespaces

Database sessions   ▮ Total ▮ Active ▮ Idle

Transactions per second   ▮ Transactions ▮ Commits ▮ Rollbacks

Tuples in   ▮ Inserts ▮ Updates ▮ Deletes

Tuples out   ▮ Fetched ▮ Returned

Block I/O   ▮ Reads ▮ Hits

✓ postgres/Estefany - Database connected. ✕