

EXAMEN 1 DOCKER

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1. Creando volumen y verificando la creación del volumen

```
#####  
# WARNING!!!! #  
# This is a sandbox environment. Using personal credentials #  
# is HIGHLY! discouraged. Any consequences of doing so are #  
# completely the user's responsibilities. #  
# #  
# The FWD team. #  
#####  
[node1] (local) root@192.168.0.13 ~  
$ docker volume create ecp-vol  
ecp-vol  
[node1] (local) root@192.168.0.13 ~  
$ docker volume ls  
DRIVER VOLUME NAME  
local ecp-vol  
[node1] (local) root@192.168.0.13 ~  
$
```

2. Bajar imagen de postgres

```
[node1] (local) root@192.168.0.13 ~  
$ docker pull postgres  
Using default tag: latest  
latest: Pulling from library/postgres  
61320b01ae5e: Pull complete  
8db9b37e7c3: Pull complete  
98a82aed48d7: Pull complete  
7c852ebdd63e: Pull complete  
28708ff4e046: Pull complete  
6ce13d85dabe: Pull complete  
bd1fa28722bb: Pull complete  
410cd7ec9a40: Pull complete  
475b0e32b814: Pull complete  
e7ab1e6f65e5: Pull complete  
89ba8b615fa9: Pull complete  
82697a7976df: Pull complete  
7e11eb1421f3: Pull complete  
2bb588ce4e67: Pull complete  
Digest: sha256:6efdd0f010dc3cb40d5e33e3ef84acecc5e73161bd3df06029ee8698e5e12c60  
Status: Downloaded newer image for postgres:latest  
docker.io/library/postgres:latest  
[node1] (local) root@192.168.0.13 ~
```

3. Listar imágenes

```
[node1] (local) root@192.168.0.13 ~  
$ docker image ls  
REPOSITORY TAG IMAGE ID CREATED SIZE  
postgres latest 7fb32a7ac3a9 12 days ago 438MB  
[node1] (local) root@192.168.0.13 ~  
$
```

4. Montando la imagen de postgres con sus variables de entorno

```
$ docker container run --name postgres_db -d -p 5432:5432 -e POSTGRES_PASSWORD=PassDocker -v postgres_db:/var/lib/postgresql/data postgres  
55522da06440cd4a1d6c256cfd08a10ee1ffabd5b4d58833854a2503b3d8cdb9  
[node1] (local) root@192.168.0.28 ~  
$
```

5. Verificando contenedor

```
[node1] (local) root@192.168.0.28 ~  
$ docker container ls  
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES  
55522da06440 postgres "docker-entrypoint.s..." About a minute ago Up About a minute 0.0.0.0:5432->5432/tcp postgres_db  
[node1] (local) root@192.168.0.28 ~  
$
```

6. Creando contenedor pgAdmin

```
[node1] (local) root@192.168.0.28 ~
$ docker container run --name pgAdmin -dp 8080:80 -e PGADMIN_DEFAULT_PASSWORD=pass-pgAdmin -e PGADMIN_DEFAULT_EMAIL=ezeceiao754@gmail.com dpape/pgadmin4
Unable to find image 'dpape/pgadmin4:latest' locally
latest: Pulling from dpape/pgadmin4
f18232174bc9: Pull complete
20690bbb262d: Pull complete
7c48c5894605: Pull complete
35d02455d858: Pull complete
19c31ea47c9b: Pull complete
9b4f03ce919b: Pull complete
55522da06440: Pull complete
```

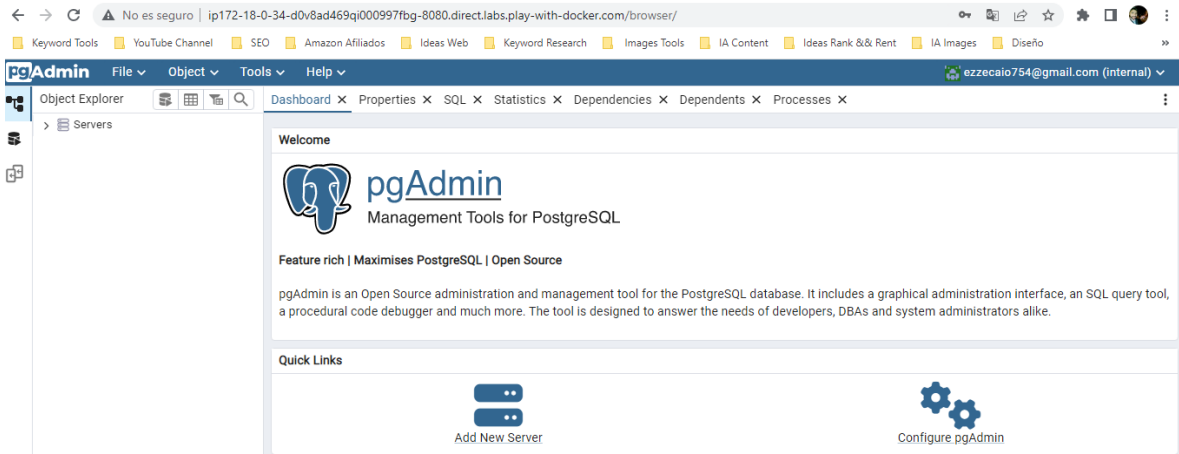
7. Listando ambos contenedores postgres y pgAdmin

```
[node1] (local) root@192.168.0.28 ~
$ docker container ls
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
806a7d142f72   dpape/pgadmin4 "/entrypoint.sh"        3 minutes ago Up 3 minutes  443/tcp, 0.0.0.0:8080->80/tcp      pgAdmin
55522da06440   postgres      "docker-entrypoint.s..." 8 minutes ago Up 8 minutes  0.0.0.0:5432->5432/tcp            postgres_db
```

8. Ingresando a pgAdmin



9. Ingresamos al Dashboard de pgAdmin con las credenciales ezeceiao754@gmail.com y password = pass-pgAdmin



10. Creando la red **ecp-red**

```
[model] (local) root@192.168.0.28 ~  
$ docker network create ecp-red  
c482c304fa4e28a4c5291743dfe942c1275efaa9c9958f06ff0f7e856a6cbcc6  
[model] (local) root@192.168.0.28 ~  
$
```

11. Conectando los contenedores a la red **ecp-red**

```
$ docker network connect ecp-red postgres_db  
[model] (local) root@192.168.0.28 ~  
$ docker network connect ecp-red pgAdmin  
[model] (local) root@192.168.0.28 ~  
$
```

12. Inspeccionando las redes conectadas

```
    },  
    "ConfigOnly": false,  
    "Containers": {  
      "55522da06440cd4a1d6c256cfd08a10ee1ffabd5b4d58833854a2503b3d8cdb9": {  
        "Name": "postgres_db",  
        "EndpointID": "be01fa2b98297ff8dd1eff9f5bc5880ad5e7446398872f12f8a87624c27bed3c",  
        "MacAddress": "02:42:ac:14:00:02",  
        "IPv4Address": "172.20.0.2/16",  
        "IPv6Address": ""  
      },  
      "806a7d142f72b72b9ac4515adec7c89d8ed791b48b0a4e07204216ea55846916": {  
        "Name": "pgAdmin",  
        "EndpointID": "2c85c8f5e64a761d6f163ba11c1bcb763fd85cfdc813fef6531ded021cd3a50",  
        "MacAddress": "02:42:ac:14:00:03",  
        "IPv4Address": "172.20.0.3/16",  
        "IPv6Address": ""  
      }  
    },  
    "Options": {},  
    "Labels": {}  
  }  
}
```