Creacion del Volume:

- docker volume create db-persistence

```
MacBook-Pro:act-02 lpache$ docker volume ls
DRIVER              VOLUME NAME
MacBook-Pro:act-02 lpache$ docker volume create db-persistence
db-persistence
MacBook-Pro:act-02 lpache$ docker volume ls
DRIVER              VOLUME NAME
local               db-persistence
```

```
[MacBook-Pro:act-02 lpache$ docker volume inspect db-persistence
[
    {
        "CreatedAt": "2022-02-27T20:18:21Z",
        "Driver": "local",
        "Labels": {},
        "Mountpoint": "/mnt/sda1/var/lib/docker/volumes/db-persistence/_data",
        "Name": "db-persistence",
        "Options": {},
        "Scope": "local"
    }
]
```

Subida del Postgres 9.6.1 con el volume creado

- docker pull postgres:9.6.1
- docker run --name postgres-9.6.1 -e POSTGRES_PASSWORD=password -d -v db-persistence:/var/lib/postgresql/data postgres:9.6.1

```
    ],
    "Mounts": [
        {
            "Type": "volume",
            "Name": "db-persistence",
            "Source": "/mnt/sda1/var/lib/docker/volumes/db-persistence/_data",
            "Destination": "/var/lib/postgresql/data",
            "Driver": "local",
            "Mode": "z",
            "RW": true,
            "Propagation": ""
        }
    ],
    "Config": {
```

Postgres 9.6.1 started

```
[MacBook-Pro:act-02 lpache$ docker container ps
CONTAINER ID        IMAGE              COMMAND              CREATED
b06aacd63cef        postgres:9.6.1     "/docker-entrypoint.…"   30 minutes ago
[MacBook-Pro:act-02 lpache$ docker exec -it b06aacd63cef bash
[root@b06aacd63cef:/# postgres -V
postgres (PostgreSQL) 9.6.1
[root@b06aacd63cef:/# psql -U postres
psql: FATAL:  role "postres" does not exist
[root@b06aacd63cef:/# psql -U postgres
psql (9.6.1)
Type "help" for help.

postgres=# 
```

Pull version 9.6.2
- docker pull postgres:9.6.2

Ejecutando postgres 9.6.2 con el mismo volume
- docker run --name postgres-9.6.2 -e POSTGRES_PASSWORD=password -d -v db-persistence:/var/lib/postgresql/data postgres:9.6.2

```
[MacBook-Pro:act-02 lpache$ docker ps -a
CONTAINER ID        IMAGE              COMMAND             CREATED         STATUS
2857d3e389e0        postgres:9.6.2     "docker-entrypoint.s…"   19 minutes ago   Up 3 seconds
[MacBook-Pro:act-02 lpache$ docker logs 2857d3e389e0
 LOG:   database system was shut down at 2022-02-27 20:32:51 UTC
 LOG:   MultiXact member wraparound protections are now enabled
 LOG:   database system is ready to accept connections
 LOG:   autovacuum launcher started

[MacBook-Pro:act-02 lpache$ docker ps -a
CONTAINER ID        IMAGE              COMMAND             CREATED         STATUS
2857d3e389e0        postgres:9.6.2     "docker-entrypoint.s…"   19 minutes ago   Up 3 seconds
[MacBook-Pro:act-02 lpache$ docker logs 2857d3e389e0
 LOG:   database system was shut down at 2022-02-27 20:32:51 UTC
 LOG:   MultiXact member wraparound protections are now enabled
 LOG:   database system is ready to accept connections
 LOG:   autovacuum launcher started
```

Imágenes de las dos versiones running

```
[MacBook-Pro:act-02 lpache$ docker container ls
CONTAINER ID        IMAGE              COMMAND             CREATED         STATUS
78dddeea4a1d        postgres:9.6.1     "/docker-entrypoint.…"   19 minutes ago   Up 6 seconds
2857d3e389e0        postgres:9.6.2     "docker-entrypoint.s…"   22 minutes ago   Up 2 minutes
[MacBook-Pro:act-02 lpache$ docker exec -it bash
"docker exec" requires at least 2 arguments.
See 'docker exec --help'.

Usage:  docker exec [OPTIONS] CONTAINER COMMAND [ARG...]

Run a command in a running container
[MacBook-Pro:act-02 lpache$ docker exec -it 78dddeea4a1d bash
[root@78dddeea4a1d:/# postgres -V
postgres (PostgreSQL) 9.6.1
[root@78dddeea4a1d:/# exit
 exit
[MacBook-Pro:act-02 lpache$ docker exec -it 2857d3e389e0 bash
[root@2857d3e389e0:/# postgres -V
postgres (PostgreSQL) 9.6.2
[root@2857d3e389e0:/# exit
 exit
[MacBook-Pro:act-02 lpache$ docker volume ls
DRIVER              VOLUME NAME
local               db-persistence
[MacBook-Pro:act-02 lpache$ docker logs 2857d3e389e0
 LOG:   database system was shut down at 2022-02-27 20:32:51 UTC
 LOG:   MultiXact member wraparound protections are now enabled
 LOG:   database system is ready to accept connections
 LOG:   autovacuum launcher started
[MacBook-Pro:act-02 lpache$ docker logs 78dddeea4a1d
 LOG:   database system was interrupted; last known up at 2022-02-27 20:36:44 UTC
 LOG:   database system was not properly shut down; automatic recovery in progress
 LOG:   invalid record length at 0/14EE2C8: wanted 24, got 0
 LOG:   redo is not required
 LOG:   MultiXact member wraparound protections are now enabled
 LOG:   database system is ready to accept connections
 LOG:   autovacuum launcher started
MacBook-Pro:act-02 lpache$ ▯
```