

# Clase de Docker

Lo primero fue aprender a crear los servidores, pero claro necesitábamos volúmenes para la persistencia de datos aquí dejo los comandos(algunos son diferentes por las rutas)(no pondre capturas de todos, solo de algunas).

Docker run hello-world -> para instalar un contenedor de prueba

```
Símbolo del sistema
C:\Users\Alumno>Docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
c1ec31eb5944: Download complete
Digest: sha256:d211f485f2dd1dee407a80973c8f129f00d54604d2c90732e8e320e5038a0348
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (amd64)
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
   to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

C:\Users\Alumno>
```

Docker container ls -a -> lista los contenedores creados  
Docker image ls -> listar imágenes de Docker

```
Docker.odt • LibreOffice Writer
Símbolo del sistema
C:\Users\Alumno>Docker container ls -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
f01fc1fada64   hello-world    "/hello"                 About a minute ago    Exited (0)    About a minute ago
56b4c5d77c6f   odoo:16.0      "/entrypoint.sh odoo"   9 days ago       Exited (255)  About a minute ago  0.0.0.0
:8069->8069/tcp, 8071-8072/tcp
ef1f0e027377   postgres:latest "docker-entrypoint.s..." 9 days ago       Exited (255)  About a minute ago  5432/tcp
odoo_dev-db-1

C:\Users\Alumno>Docker image ls
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
postgres      latest   4ec37d2a07a0   2 weeks ago   615MB
odoo           16.0     f73f0d61864e   3 weeks ago   2.53GB
odoo           latest   36fd7197f1e9   3 weeks ago   2.61GB
hello-world    latest   d211f485f2dd   17 months ago 24.4kB

C:\Users\Alumno>
```

Docker image rm hello-world -> borrar imagen  
Docker run -d --name=hello-1 hello -> cambiar el nombre

docker stop odoo → iniciar odoo  
docker start -a odoo → terminar odoo

## Iniciar un servidor PostgreSQL

Al principio de la clase iniciamos el servidor

docker run -d -e POSTGRES\_USER=odoo -e POSTGRES\_PASSWORD=odoo -e  
POSTGRES\_DB=postgres --name db postgres:15

```
C:\Users\Alumno>docker run -d -e POSTGRES_USER=odoo -e POSTGRES_PASSWORD=odoo -e POSTGRES_DB=postgres --name db postgres:15
Unable to find image 'postgres:15' locally
15: Pulling from library/postgres
2d64aa43b4a0: Download complete
61eece249d74: Download complete
7371aaafb43b: Download complete
058fb4f2d0d2: Download complete
a653ce7e6713: Download complete
cdc6080182b9: Download complete
09993ebd1f9b: Download complete
68b5694108bb: Download complete
09ad473ab07d: Download complete
c3be4d997951: Download complete
1e1c729ec064: Downloading [=====] 76.55MB/106.9MB
42e0872ca03d: Download complete
3cbb2ce63b45: Download complete
a480a496ba95: Download complete
|
```

## Iniciar una instancia de Odoo

docker run -p 8069:8069 --name odoo --link db:db -t odoo

## Volúmenes

Utilizamos volúmenes, para que persistan los datos

docker run -d -v odoo-db:/var/lib/postgresql/data -e POSTGRES\_USER=odoo -e  
POSTGRES\_PASSWORD=odoo -e POSTGRES\_DB=postgres --name db postgres:latest

\$ docker run -v odoo-data:/var/lib/odoo -d -p 8069:8069 --name odoo --link db:db -t odoo

(no se por que no me va)

## Ejecute Odoo con una configuración personalizada

docker run -v /path/to/config/etc/odoo -p 8069:8069 --name odoo --link db:db -t odoo

Ejecutamos para crear directamente la bd y odoo con un archivo config

```
docker run -v odoo-data:/var/lib/odoo -v  
/C/Users/Victor/Documents/odoo_dev/config_odoo:/etc/odoo -v  
/C/Users/Victor/Documents/odoo_dev/dev_addons -d -p 8069:8069 --name odoo --link db:db -t  
odoo
```