



UNIVERSIDAD EUROPEA

DESPLIEGUE DE APLICACIONES

Docker

UF4: Servicios de red implicados (Docker)

UF4.4: Almacenamiento

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Desarrollo de Aplicaciones Web

- Paso 1

```
apt install python3 & exit 0 & data
root@dani:/home/dani# docker volume ls
DRIVER      VOLUME NAME
root@dani:/home/dani#
root@dani:/home/dani# docker run -d -P --name apache -v datos httpd
ce1bfbd3f881505a1d05c9d8541ec891502481efc883d6c4fbc149f33993c404
root@dani:/home/dani#
root@dani:/home/dani/Docker# docker inspect 8d861f26eb87 | grep Mounts -A 10
  "Mounts": [
    {
      "Type": "volume",
      "Name": "3f0ca45152d9b076429282656d7f5709438818e8f9418ff2588199ddd92ed200",
      "Source": "/var/lib/docker/volumes/3f0ca45152d9b076429282656d7f5709438818e8f9418ff2588199ddd92ed200",
      "Destination": "/tpm",
      "Driver": "local",
      "Mode": "",
      "RW": true,
      "Propagation": ""
    }
  ]
root@dani:/home/dani/Docker#
```

- Paso 2

```
root@dani:/home/dani# docker volume ls
DRIVER      VOLUME NAME
local       b6af65cb325c1f2e1ce9ff528f9667de6b55d69a3cbf1c0c6a1f7be1a3746476
root@dani:/home/dani# docker volume inspect b6af65cb325c1f2e1ce9ff528f9667de6b55d69a3cbf1c0c6a1f7be1a3746476
[
  {
    "CreatedAt": "2025-02-21T08:12:31Z",
    "Driver": "local",
    "Labels": {
      "com.docker.volume.anonymous": ""
    },
    "Mountpoint": "/var/lib/docker/volumes/b6af65cb325c1f2e1ce9ff528f9667de6b55d69a3cbf1c0c6a1f7be1a3746476",
    "Name": "b6af65cb325c1f2e1ce9ff528f9667de6b55d69a3cbf1c0c6a1f7be1a3746476",
    "Options": null,
    "Scope": "local"
  }
]
```

- Paso 3

```
root@dani:/home/dani# mkdir logs
root@dani:/home/dani# cd logs/
root@dani:/home/dani/logs# docker run -d -v logs:/var/logs/nginx -p 82:80 -ti nginx
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
4d2547c08499: Already exists
1529751f7538: Pull complete
bbefd32e7dcb: Pull complete
47cc26834fb6: Pull complete
aba9a01aa562: Pull complete
25ef5805725b: Pull complete
f6eaf43e06b3: Pull complete
Digest: sha256:91734281c0ebfc6f1aea979cffe5079cfe786228a71cc6f1f46a228cde6e34
Status: Downloaded newer image for nginx:latest
8c553616b5d020638bf09cb04e9db54160a5ebe0755db67251b188e95655427c
root@dani:/home/dani/logs#
```

- Paso 4

```
root@dani:/home/dani/Docker# docker create -v /tpm --name datacontainer ubuntu
7e69d60c34eb407574129974b68525f49b7427acb9e4652639389dd4e3d9d5d1
root@dani:/home/dani/Docker#
root@dani:/home/dani/Docker# docker run -t -i --volumes-from datacontainer ubuntu /bin/bash
root@0e09b3f357fe:/#
```

- Paso 5

```
root@dani:/home/dani/Docker# docker run -t -i --volumes-from datacontainer ubuntu /bin/bash
root@0e09b3f357fe:/# cd /tmp
root@0e09b3f357fe:/tmp# echo "Hola, clase de 2DAW de Despliegue de Apps Web" > ficheroCompartido
root@0e09b3f357fe:/tmp# ls -la
total 12
drwxr-xr-x 2 root root 4096 Feb 21 08:38 .
drwxr-xr-x 1 root root 4096 Feb 21 08:37 ..
-rw-r--r-- 1 root root  46 Feb 21 08:38 ficheroCompartido
root@0e09b3f357fe:/tmp# cat ficheroCompartido
Hola, clase de 2DAW de Despliegue de Apps Web
root@0e09b3f357fe:/tmp#

root@dani:/home/dani/Docker# docker run -t -i --volumes-from datacontainer httpd /bin/bash
root@8d861f26eb87:/usr/local/apache2# cd /tmp

root@83c4dae33f05:/usr/local/apache2# cat /tmp/ficheroCompartido
Hola, este es un archivo compartido
```