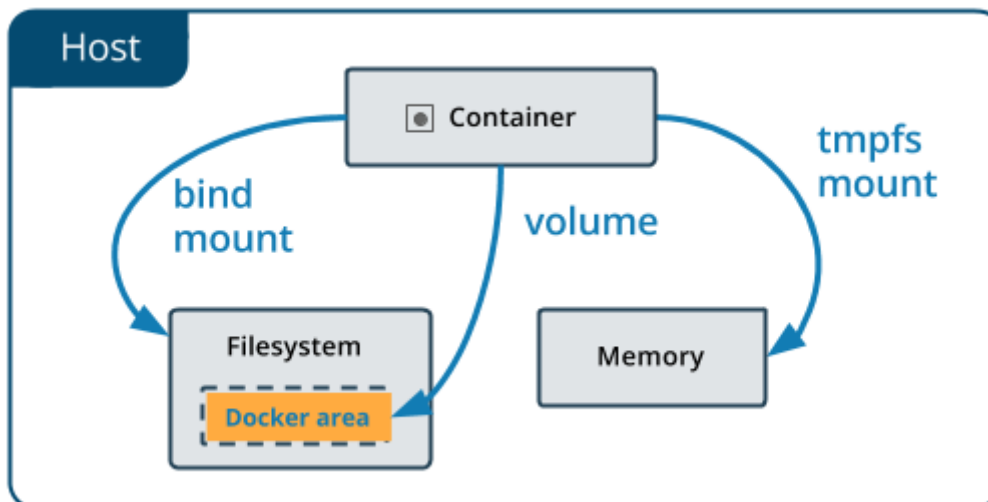


docker volumes

/via: <https://docs.docker.com/storage/volumes/>



- bind mount: montaje clásico con `-v` sobre una estructura de directorios
- tmpfs mount: almacenar data no persistente
- volume:
 - gestionado desde cli docker
 - transversal al OS

--volume o --mount

- desde la versión 17.06 `--mount` está también disponible en «standalone» contenedores (además de swarm)

cli

docker volume

- create
- ls
- inspect
- rm

docker run

- `--volume | -v`
 - `[volume_name | local_path | <nothing-for-anonymous-volume>] : path-in-container [: [ro]]`
- `--mount | -m`
 - `type=[bind,volume,tmpfs], [source|src= {name,path}], destination|dst|target=<path-in-container>[,readonly][,volume-opt=<options>]`

docker create

examples

```
docker run -d \  
  --name devtest \  
  --mount source=myvol2,target=/app \ # -v myvol2:/app \  
  nginx:latest
```

```
docker run -d \  
  --name=nginxtest \  
  --mount source=nginx-vol,destination=/usr/share/nginx/html \ # -v nginx-  
vol:/usr/share/nginx/html \  
  nginx:latest
```

```
$ docker run -d \  
  --name=nginxtest \  
  --mount source=nginx-vol,destination=/usr/share/nginx/html,readonly \ # -v nginx-  
vol:/usr/share/nginx/html:ro \  
  nginx:latest
```

volume drivers

vieux/sshfs

```
docker volume create --driver vieux/sshfs \  
  -o sshcmd=test@node2:/home/test \  
  -o password=testpassword \  
  sshvolume
```

```
docker run -d \  
  --name sshfs-container \  
  --volume-driver vieux/sshfs \  
  --mount src=sshvolume,target=/app,volume-opt=sshcmd=test@node2:/home/test,volume-  
opt=password=testpassword \  
  nginx:latest
```

volume services

nfs

```
# NFS v3  
docker service create -d \  
  --name nfs-service \  
  --mount 'type=volume,source=nfsvolume,target=/app,volume-driver=local,volume-  
opt=type=nfs,volume-opt=device=:/var/docker-nfs,volume-opt=o=addr=10.0.0.10' \  
  nginx:latest
```

```
# NFS v4
```

```
docker service create -d \  
  --name nfs-service \  
  --mount 'type=volume,source=nfsvolume,target=/app,volume-driver=local,volume-  
opt=type=nfs,volume-opt=device=:/,"volume-opt=o=10.0.0.10,rw,nfsvers=4,async" \  
  nginx:latest
```

backup volumes

backup

```
docker run -v /dbdata --name dbstore ubuntu /bin/bash  
docker run --rm --volumes-from dbstore -v $(pwd):/backup ubuntu tar cvf  
/backup/backup.tar /dbdata
```

restore

```
docker run -v /dbdata --name dbstore2 ubuntu /bin/bash  
docker run --rm --volumes-from dbstore2 -v $(pwd):/backup ubuntu bash -c "cd  
/dbdata && tar xvf /backup/backup.tar --strip 1"
```

From:

<https://miguelangel.torresegea.es/wiki/> - miguel angel torres egea

Permanent link:

<https://miguelangel.torresegea.es/wiki/tech:docker:volumes>

Last update: **27/03/2020 17:27**

