



Especificar um diretório fora da container, dentro da máquina host. Se o container for parado ou excluído, os dados persistirão.

```
File Edit View Search Terminal Help
root@leandrocsi:/home/leandro# docker volume

Usage:  docker volume COMMAND

Manage volumes

Commands:
  create      Create a volume
  inspect     Display detailed information on one or more volumes
  ls          List volumes
  prune       Remove all unused local volumes
  rm          Remove one or more volumes

Run 'docker volume COMMAND --help' for more information on a command.
root@leandrocsi:/home/leandro#
```

```
root@leandrocsi:/home/leandro# docker volume ls
DRIVER              VOLUME NAME
root@leandrocsi:/home/leandro# docker run -it --v
```

Lista volumes

```
docker run -it -v /foo-bar --name=vols centos /bin/bash
```

run = executa
-it = iterable
-v = volume
/foo-bar = diretório que será persistido as informações
--name = nome do volume
centos = imagem
bin/bash = aceitará comandos shell.

```
faofernando@war-machine:~$ docker attach 6265e1a2c629
[root@6265e1a2c629 /]# ls -l
total 52
lrwxrwxrwx 1 root root 7 Nov 3 2020 bin -> usr/bin
drwxr-xr-x 5 root root 360 Aug 29 10:38 dev
drwxr-xr-x 1 root root 4096 Aug 29 10:31 etc
drwxr-xr-x 2 root root 4096 Aug 29 10:31 foo-bar
drwxr-xr-x 2 root root 4096 Nov 3 2020 home
lrwxrwxrwx 1 root root 7 Nov 3 2020 lib -> usr/lib
lrwxrwxrwx 1 root root 9 Nov 3 2020 lib64 -> usr/lib64
drwx----- 2 root root 4096 Sep 15 2021 lost+found
drwxr-xr-x 2 root root 4096 Nov 3 2020 media
drwxr-xr-x 2 root root 4096 Nov 3 2020 mnt
drwxr-xr-x 2 root root 4096 Nov 3 2020 opt
dr-xr-xr-x 367 root root 0 Aug 29 10:38 proc
dr-xr-xr-x 1 root root 4096 Aug 29 10:33 root
drwxr-xr-x 11 root root 4096 Sep 15 2021 run
lrwxrwxrwx 1 root root 8 Nov 3 2020 sbin -> usr/sbin
drwxr-xr-x 2 root root 4096 Nov 3 2020 srv
dr-xr-xr-x 13 root root 0 Aug 29 10:38 sys
drwxrwxrwt 7 root root 4096 Sep 15 2021 tmp
drwxr-xr-x 12 root root 4096 Sep 15 2021 usr
drwxr-xr-x 20 root root 4096 Sep 15 2021 var
[root@6265e1a2c629 /]#
```

Diretório do volume dentro do container.

```
complete
[root@6265e1a2c629 yum.repos.d]# yum install vim
Last metadata expiration check: 0:03:00 ago on Mon 29 Aug 2022 10:43:30 AM UTC.
Dependencies resolved.
=====
Package                Architecture      Version           Repository        Size
=====
Installing:
vim-enhanced            x86_64            2:8.0.1763-16.el8 appstream         1.4 M
Installing dependencies:
gpm-libs                x86_64            1.20.7-17.el8    appstream         39 k
vim-common              x86_64            2:8.0.1763-16.el8 appstream         6.3 M
vim-filesystem          noarch            2:8.0.1763-16.el8 appstream         49 k
=====
Transaction Summary
-----
Install 4 Packages
```

```
faofernando@war-machine:~$ docker volume ls
DRIVER      VOLUME NAME
local      f2f89f391d8fc1309cb3524c32d2f41e83b6beb688e5cc2c747b2c897a3b9171
local      mysql-volume
faofernando@war-machine:~$
```

```

Arquivo  Editar  Ver  Pesquisar  Terminal  Ajuda
faofernando@war-machine:~$ docker inspect vols
[
  {
    "Id": "6265e1a2c629e71fc97ac9fafcc545c5b6dd5ba2773fb4b6a29d6741560d4dd9",
    "Created": "2022-08-29T10:31:25.785467342Z",
    "Path": "/bin/bash",
    "Args": [],
    "State": {
      "Status": "running",
      "Running": true,
      "Paused": false,
      "Restarting": false,
      "OOMKilled": false,
      "Dead": false,
      "Pid": 8443,
      "ExitCode": 0,
      "Error": "",
      "StartedAt": "2022-08-29T10:38:34.321665176Z",
      "FinishedAt": "2022-08-29T10:33:06.851303751Z"
    },
    "Image": "sha256:5d0da3dc976460b72c77d94c8a1ad043720b0416bfc16c52c45d4847e53fadb6",
    "ResolvConfPath": "/var/lib/docker/containers/6265e1a2c629e71fc97ac9fafcc545c5b6dd5b
  }
]

```

```

    "Mounts": [
      {
        "Type": "volume",
        "Name": "f2f89f391d8fc1309cb3524c32d2f41e83b6beb688e5cc2c747b2c897a3b9171",
        "Source": "/var/lib/docker/volumes/f2f89f391d8fc1309cb3524c32d2f41e83b6beb688e5cc2c747b2c897a3b9171/_data",
        "Destination": "/foo-bar",
        "Driver": "local",
        "Mode": "",
        "RW": true,
        "Propagation": ""
      }
    ],
    "Config": {

```

Exibe a localização dos dados do diretório

```

root@war-machine:~/faofernando# ls -l /var/lib/docker/volumes/f2f89f391d8fc1309cb3524c32d2f41e83b6beb688e5cc2c747b2c897a3b9171/_data
total 4
-rw-r--r-- 1 root root 14 ago 29 07:49 testfile

```

```

root@war-machine:~/faofernando# ls -l /var/lib/docker/volumes/f2f89f391d8fc1309cb3524c32d2f41e83b6beb688e5cc2c747b2c897a3b9171/_data
total 4
-rw-r--r-- 1 root root 14 ago 29 07:49 testfile
root@war-machine:~/faofernando# cat /var/lib/docker/volumes/f2f89f391d8fc1309cb3524c32d2f41e83b6beb688e5cc2c747b2c897a3b9171/_data/testfile
Hello Volumes

```

É possível acessar as informações criadas no container

```

root@war-machine:~/faofernando# ls -l /var/lib/docker/volumes/f2f89f391d8fc1309cb3524c32d2f41e83b6beb688e5cc2c747b2c897a3b9171/_data
total 4
-rw-r--r-- 1 root root 14 ago 29 07:49 testfile
root@war-machine:~/faofernando# cat /var/lib/docker/volumes/f2f89f391d8fc1309cb3524c32d2f41e83b6beb688e5cc2c747b2c897a3b9171/_data/testfile
Hello Volumes

```

O comando `--volumes-from` permite acessar um diretório de outro container

Como remover um Volume

- `docker rm -v CONTAINER_ID`
- ou
- `docker volume rm VOLUME_NAME`

```
docker rm -v CONTAINER_ID -i
```