**#create and run docker container**

PS C:\Users\JacquesBoyodi> docker container run --name couchdb -d -p 5984:5984 couchdb:2.1

Unable to find image 'couchdb:2.1' locally

2.1: Pulling from library/couchdb

d660b1f15b9b: Pull complete

d6a82611f685: Pull complete

f58c3777efba: Pull complete

2e41520ee187: Pull complete

18cc54fd89c6: Pull complete

f8d127415410: Pull complete

0d7aab2be023: Pull complete

896902be7e0e: Pull complete

1acbc80638bb: Pull complete

27abbe831be1: Pull complete

Digest: sha256:05a8b4a9bfe8e90fdf8630b404098aab5122c8ead228ad9b8d081309266b1 cfb

Status: Downloaded newer image for couchdb:2.1

b9f7255693bef8733ec45a72a9b51e998436cd5bc2efb437c282f33bb8089ecf


**#Mount the identified volume to busybox**


PS C:\Users\JacquesBoyodi> docker run -it --rm -v af3c19a6547d7d3105ecde35a3a48678b1cbaf9f0e0a90f322a00de79696f11d:/op t/couchdb/data busybox sh

Unable to find image 'busybox:latest' locally

latest: Pulling from library/busybox

80bfbb8a41a2: Pull complete

Digest: sha256:ab33eacc8251e3807b85bb6dba570e4698c3998eca6f0fc2ccb60575a563e a74

Status: Downloaded newer image for busybox:latest

```
/ # ls /opt/couchdb/data
_dbs.couch          _replicator.couch
_nodes.couch        _users.couch
/ # exit
```

#Stop couchdb and delete the volume

```
PS C:\Users\JacquesBoyodi> docker stop couchdb
couchdb
PS C:\Users\JacquesBoyodi> docker rm -v couchdb
couchdb
PS C:\Users\JacquesBoyodi> docker volume ls
DRIVER      VOLUME NAME
PS C:\Users\JacquesBoyodi>
```

**#Create and run a volume named : couchdb_vol**

```
PS C:\Users\JacquesBoyodi> docker volume create couchdb_vol
couchdb_vol
PS C:\Users\JacquesBoyodi> docker run -d --name couchdb2 -p
5984:5984 -v couchdb_vol:/opt/couchdb/data couchdb:2.1
9569d50f5e6c17b57de84cee4dd46fd3542263f2a983b75c6ee5cfacbb5e2a96
```

```
PS C:\Users\JacquesBoyodi> docker run -it --rm -v
/var/lib/docker:/dck busybox sh
/ # ls /dck/volumes/couchdb_vol/_data
_dbs.couch          _replicator.couch
_nodes.couch        _users.couch
/ # exit
```

**#SideCar Pattern**

```
PS C:\Users\JacquesBoyodi> docker kill gen_date
gen_date


PS C:\Users\JacquesBoyodi> docker run -it --rm --tmpfs /test busybox
sh
/ # mount | grep test
tmpfs on /test type tmpfs (rw,nosuid,nodev,noexec,relatime)
/ # exit
```