

## Created docker volume by name “Ubuntu-data” & attached to mongo container

```
ubuntu@ip-172-31-27-68:~/microservices-k8s/flask-api$ docker volume create ubuntu-data
ubuntu-data
ubuntu@ip-172-31-27-68:~/microservices-k8s/flask-api$ docker volume ls
DRIVER      VOLUME NAME
local       3c6fedc150b99e608e89f2e3c506c25a2aca2fdf80e5522d0cdf00e32257b907
local       4a10a07604b5b4ad422ebbbe5f9f083302d59a62a83da4700af83e43cc1246c6
local       4ceefc33cc7f7551d78f54867d02864141c67a26f090e4cb555ea6b1abe2412
local       9a3593e8a9ddda8b2ab042a096e53fedb7112db666e5d37755d5da242e34f1e9
local       9abbd3baa954b6aac89e5121804f9100bd1b622cfff170020874fcdcf777f24e
local       37fc615d85d7b906d2fc742e186223f5ad05ed6cc8185064722fe99a3b3b34d0
local       081bf0089154fa7eaa118d965cef9293ba36581607621fce6c1ec1998ec50fc
local       830de089a5e23b684b2cc8c6651c082e28b859654e45dab667506d8e37261304
local       b30146b2512ea4d8e1f893f5b6dac39be7f15d6ddca2e13e80d78898103b9a83
local       b91748739337511b85d5d0e1de97ec41a6ebd9f3dbc1a79fbdcb7bd3472eda89
local       bee8941c73940972bc269c54e9b59c5bc4e4c4a3d8b8c642255e340cf0a5af33
local       c239afff49c62bba23a14f25d4a97587c063914e8fc887453d3a242c1c55ec6e
local       f24ea8cec5804dc0b09e9abc852adb94913cb0175a9995da9f6b251ee43c2c97
local       mongo-data
local       ubuntu-data
ubuntu@ip-172-31-27-68:~/microservices-k8s/flask-api$ docker rm -f 69e173a5a152
69e173a5a152
ubuntu@ip-172-31-27-68:~/microservices-k8s/flask-api$ docker run -d -p 27017:27017 -v ubuntu-data:/tmp --name mongo mongo:latest
45c27e226dfc6e1981de98b7fcad94bec087a5166cb13103a08f7256ea977d76
ubuntu@ip-172-31-27-68:~/microservices-k8s/flask-api$ docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS
45c27e226dfc   mongo:latest  "docker-entrypoint.s..."  9 seconds ago  Up 8 seconds  0.0.0.0:27017→27017/tcp, :::27017→27017/tcp
Activate Windows
Go to Settings to activate Windows.
```

## Added new files in /tmp directory inside the container & removed the container

```
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS        NAMES
45c27e226dfc   mongo:latest  "docker-entrypoint.s..."  9 seconds ago  Up 8 seconds  0.0.0.0:27017→27017/tcp, :::27017→27017/tcp  mongo
0e6f870b24ea   flaskk-api:latest  "python app.py"          2 hours ago   Up 2 hours   0.0.0.0:5000→5000/tcp, :::5000→5000/tcp  gifted_joliot
ubuntu@ip-172-31-27-68:~/microservices-k8s/flask-api$ docker exec -it 45c27e226dfc bash
root@45c27e226dfc:/# ls
bin  data  docker-entrypoint-initdb.d  home  lib  lib64  media  opt  root /sbin  sys  usr
boot  dev  etc  js-yaml.js  lib32  libx32  mnt  proc  run  srv  tmp  var
root@45c27e226dfc:/# cd tmp/
root@45c27e226dfc:/tmp# ls
mongodb-27017.sock
root@45c27e226dfc:/tmp# touch file{1..}.txt
root@45c27e226dfc:/tmp# ls
file{1..}.txt  mongodb-27017.sock
root@45c27e226dfc:/tmp# touch test{2..5}.txt
root@45c27e226dfc:/tmp# ls
file{1..}.txt  mongodb-27017.sock  test2.txt  test3.txt  test4.txt  test5.txt
root@45c27e226dfc:/tmp# cd
root@45c27e226dfc:/# exit
exit
ubuntu@ip-172-31-27-68:~/microservices-k8s/flask-api$ docker rm -f 45c27e226dfc
45c27e226dfc
```

## Created new container & attached same volume & /tmp data were as it is.

```
ubuntu@ip-172-31-27-68:~/microservices-k8s/flask-api$ docker rm -f 45c27e226dfc
45c27e226dfc
ubuntu@ip-172-31-27-68:~/microservices-k8s/flask-api$ docker volume ls
DRIVER      VOLUME NAME
local       3c6fedc150b99e608e89f2e3c506c25a2aca2fdf80e5522d0cdf00e32257b907
local       4a10a07604b5b4ad422ebbbe5f9f083302d59a62a83da4700af83e43cc1246c6
local       4ceefc33cc7f7551d78f54867d02864141c67a26f090e4cb555ea6b1abe2412
local       9a3593e8a9ddda8b2ab042a096e53fedb7112db666e5d37755d5da242e34f1e9
local       9abbd3baa954b6aac89e5121804f9100bd1b622cfff170020874fcdcf777f24e
local       12e07c17be2d22f110809b450491b7002318df704c0046519a5345d5112306b1
local       37fc615d85d7b906d2fc742e186223f5ad05ed6cc8185064722fe99a3b3b34d0
local       081bf0089154fa7eaa118d965cef9293ba36581607621fce6c1ec1998ec50fc
local       830de089a5e23b684b2cc8c6651c082e28b859654e45dab667506d8e37261304
local       7943dca98b56cf978964846dd74255f0aa8b973ee8b9cb5f98c0455507419e02
local       b30146b2512ea4d8e1f893f5b6dac39be7f15d6ddca2e13e80d78898103b9a83
local       b91748739337511b85d5d0e1de97ec41a6ebd9f3dbc1a79fbdcb7bd3472eda89
local       bee8941c73940972bc269c54e9b59c5bc4e4c4a3d8b8c642255e340cf0a5af33
local       c239afff49c62bba23a14f25d4a97587c063914e8fc887453d3a242c1c55ec6e
local       f24ea8cec5804dc0b09e9abc852adb94913cb0175a9995da9f6b251ee43c2c97
local       mongo-data
local       ubuntu-data
ubuntu@ip-172-31-27-68:~/microservices-k8s/flask-api$ docker run -d -p 27017:27017 -v ubuntu-data:/tmp --name mongo mongo:latest
db0dc3f0161e0149f6c4ecbcc44870b0808719687f85d4442c81cb82058914
ubuntu@ip-172-31-27-68:~/microservices-k8s/flask-api$ docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS        NAMES
db0dc3f0161   mongo:latest  "docker-entrypoint.s..."  6 seconds ago  Up 4 seconds  0.0.0.0:27017→27017/tcp, :::27017→27017/tcp  mongo
0e6f870b24ea   flaskk-api:latest  "python app.py"          2 hours ago   Up 2 hours   0.0.0.0:5000→5000/tcp, :::5000→5000/tcp  gifted_joliot
ubuntu@ip-172-31-27-68:~/microservices-k8s/flask-api$ docker exec -it db0dc3f0161 bash
root@db0dc3f0161:/# ls
bin  data  docker-entrypoint-initdb.d  home  lib  lib64  media  opt  root /sbin  sys  usr
boot  dev  etc  js-yaml.js  lib32  libx32  mnt  proc  run  srv  tmp  var
root@db0dc3f0161:/# cd tmp
root@db0dc3f0161:/tmp# ls
file{1..}.txt  mongodb-27017.sock  test2.txt  test3.txt  test4.txt  test5.txt
root@db0dc3f0161:/tmp#
Activate Windows
Go to Settings to activate Windows.
```

Thanks ..