

## Lab Exercise 3– Volume in Docker

### Steps to Complete:

1. View all Volume in Docker

**Command : docker volume ls**

```
PS C:\Users\manya\OneDrive\Desktop\ACO> docker volume ls
DRIVER      VOLUME NAME
PS C:\Users\manya\OneDrive\Desktop\ACO> █
```

2. Create a new Volume

**Command: docker volume create myvol2**

```
PS C:\Users\manya\OneDrive\Desktop\ACO> docker volume create myvol2
myvol2
PS C:\Users\manya\OneDrive\Desktop\ACO> docker volume ls
DRIVER      VOLUME NAME
local       myvol2
PS C:\Users\manya\OneDrive\Desktop\ACO> █
```

3. Mount a Volume with a container

**Command: docker run -it -v myvol2:/data redis /bin/bash**

```
PS C:\Users\manya\OneDrive\Desktop\ACO> docker run -it -v myvol2:/data redis /bin/bash
Unable to find image 'redis:latest' locally
latest: Pulling from library/redis
1f7ce2fa46ab: Already exists
3c6368585bf1: Pull complete
3911d271d7d8: Pull complete
ac88aa9d4021: Pull complete
127cd75a68a2: Pull complete
4f4fb700ef54: Pull complete
f3993c1104fc: Pull complete
Digest: sha256:2976bc0437deff693af2dcf081a1d1758de8b413e6de861151a5a136c25eb9e4
Status: Downloaded newer image for redis:latest
root@c11cb98a985d:/data# █
```

4. Create another container and Mount with the same Volume

**Command: docker run -it -v myvol2:/data redis /bin/bash**

```
PS C:\Users\manya\OneDrive\Desktop\ACO> docker run -it -v myvol2:/data redis /bin/bash
root@55bbb8ef801:/data# mkdir exp1
root@55bbb8ef801:/data# ls
exp1
root@55bbb8ef801:/data#
```

5. See the complete working of container
6. Exited from container and restart again to see the persistent of Docker

### Volume

```
C:\Users\Administrator>docker start 0a4c04d42a96

C:\Users\Administrator>docker attach 0a4c04d42a96

root@0a4c04d42a96:/data# ls

abc.txt test

root@0a4c04d42a96:/data#
```