

EXPERIMENT 3

AIM: Working with Docker Volume

1. View all Volume in Docker

Command used :- docker volume ls

```
C:\Users\Mayank Verma>docker volume ls
DRIVER      VOLUME NAME
local       3bea576d121a16f88dc5598539e469f3e272eda49fe201bb87fddc1d0b00b9bf
local       4f53a397ea5ce70924e19412841e552355e0e1832a94f0b90a02baf4de9f9df9
local       myvol
local       myvol2

C:\Users\Mayank Verma>
```

2. Create a new Volume

Command used :- docker volume create my_vol

```
C:\Users\Mayank Verma>docker volume create my_vol
my_vol

C:\Users\Mayank Verma>docker volume ls
DRIVER      VOLUME NAME
local       3bea576d121a16f88dc5598539e469f3e272eda49fe201bb87fddc1d0b00b9bf
local       4f53a397ea5ce70924e19412841e552355e0e1832a94f0b90a02baf4de9f9df9
local       my_vol
local       myvol
local       myvol2

C:\Users\Mayank Verma>
```

3. Mount a Volume with a container

```
C:\Users\Mayank Verma>docker run -it -v my_vol:/data redis /bin/bash
root@12949cf735b9:/data#
```

4. Create another container and Mount with the same Volume

Command used :- docker run -it -v my_vol:/data redis /bin/bash

```
C:\Users\Mayank Verma>docker run -it -v my_vol:/data redis /bin/bash
root@12949cf735b9:/data#
```

5. See the complete working of container

Command used:- docker run -it -v my_vol:/data redis /bin/bash

```
C:\Users\Mayank Verma>docker run -it -v my_vol:/data redis /bin/bash
root@9a6c5e9fc21a:/data# mkdir
mkdir: missing operand
Try 'mkdir --help' for more information.
root@9a6c5e9fc21a:/data# mkdir vol3
root@9a6c5e9fc21a:/data# touch abc.txt
root@9a6c5e9fc21a:/data# ls
abc.txt  vol3
root@9a6c5e9fc21a:/data#
```

6. Exited from container and restart again to see the persistent of Docker

Volume

Command used :- docker ps -a

```
C:\Users\Mayank Verma>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
12949cf735b9	redis	"docker-entrypoint.s..."	2 minutes ago	Exited (0) 14 seconds ago	
adoring_mahavira	redis	"docker-entrypoint.s..."	18 minutes ago	Exited (0) 15 minutes ago	
9a6c5e9fc21a	redis	"docker-entrypoint.s..."	28 minutes ago	Exited (0) 24 minutes ago	
cranky_hofstadter	redis	"docker-entrypoint.s..."	28 minutes ago	Exited (0) 28 minutes ago	
09ecdab08dbe	redis	"docker-entrypoint.s..."	31 minutes ago	Exited (0) 30 minutes ago	
goofy_mestorf	redis	"docker-entrypoint.s..."	34 minutes ago	Exited (255) 2 minutes ago	6379/tcp
311f83bf8b31	redis	"docker-entrypoint.s..."	4 months ago	Exited (0) 8 weeks ago	
silly_spence	redis	"docker-entrypoint.s..."			
64ec63ce75ee	redis	"docker-entrypoint.s..."			
amazing_lichterman	redis	"docker-entrypoint.s..."			
50f728a80d44	redis	"docker-entrypoint.s..."			
nervous_cartwright	docker/getting-started	"/docker-entrypoint..."			
135349e02b3e	fervent_wing				

```
C:\Users\Mayank Verma>
```

Submitted by Mayank Verma

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