CDEC B-24

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Task : Create new Volume & Attached To httpd Container

Step:

1. sudo –i
2. docker volume create Newvolume
3. cd /var/lib/docker/

```
root@ip-172-31-30-69:~# docker volume create newvolume
newvolume
root@ip-172-31-30-69:~# cd /var/lib/docker/
root@ip-172-31-30-69:/var/lib/docker# ls
buildkit  containers  engine-id  image  network  overlay2  plugins  runtimes  swarm  tmp  volumes
root@ip-172-31-30-69:/var/lib/docker# cd volumes/
```

4. cd volumes/

   # ls

```
root@ip-172-31-30-69:/var/lib/docker/volumes# cd ..
root@ip-172-31-30-69:/var/lib/docker# cd volumes/
root@ip-172-31-30-69:/var/lib/docker/volumes# ls
34507140ef6910fceeac16f3567091a767d55d63f13677d67099598a3368e566  3f72c1e84794121482e9a6639990a14f9c1e536e2731c6ccab0134a0cc4940ea  Newvolume  backingFsBlockDev  metadata.db  newvolume
```

5. docker run -d -P -v Newvolume:/usr/local/apache2/htdocs/ httpd

```
root@ip-172-31-30-69:/var/lib/docker/volumes# docker run -d -P -v Newvolume:/usr/local/apache2/htdocs/ httpd
6f265369c44f29a6e9fb3f492371b4e2bd7b9354a48fcd076111a6fe1308a89b
root@ip-172-31-30-69:/var/lib/docker/volumes# docker ps
```

6. docker ps

```
root@ip-172-31-30-69:/var/lib/docker/volumes# docker ps
CONTAINER ID   IMAGE   COMMAND              CREATED         STATUS         PORTS                                         NAMES
6f265369c44f   httpd   "httpd-foreground"   28 seconds ago  Up 27 seconds  0.0.0.0:32772->80/tcp, :::32772->80/tcp       epic_jones
```

7. docker inspect 3d3 | less

```
"Mounts": [
    {
        "Type": "volume",
        "Name": "Newvolume",
        "Source": "/var/lib/docker/volumes/Newvolume/_data",
        "Destination": "/usr/local/apache2/htdocs",
        "Driver": "local",
        "Mode": "z",
        "RW": true,
        "Propagation": ""
    }
```