

CDEC B24

Name – Vaibhav Navneet Jorvekar

Create new volume and attached httpd

-sudo -i

-docker volume create newvolume

-cd /var/lib/docker/

```
root@ip-172-31-26-198:~# cd /var/lib/docker/
root@ip-172-31-26-198:/var/lib/docker# ls
buildkit  containers  engine-id  image  network  overlay2  plugins  runtimes  swarm  tmp  volumes
```

-cd volume

-ls

```
root@ip-172-31-26-198:/var/lib/docker# cd volumes
root@ip-172-31-26-198:/var/lib/docker/volumes# ls
b0920d3b84ba77380950d8ffbc2968d4023cc918e9bc0199afaa34aa3dee54a5  backingFsBlockDev  metadata.db  newvolume
```

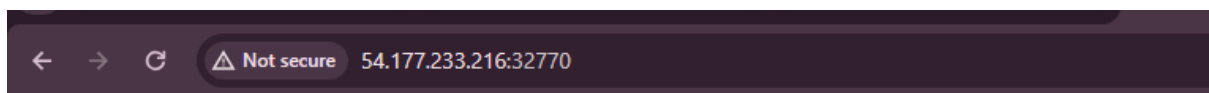
-docker run -d -P -v newvolume:/usr/local/apache2/htdocs/
httpd

```
root@ip-172-31-26-198:/var/lib/docker/volumes# docker run -d -P -v newvolume:/usr/local/apache2/htdocs/ httpd
c2466611700502c488380fbd5ac753fd33a1cd4b9fff619ec9d4a500b3e98f6a2
root@ip-172-31-26-198:/var/lib/docker/volumes# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
c24666117005   httpd     "httpd-foreground"      2 minutes ago Up 2 minutes   0.0.0.0:32770->80/tcp, :::32770->80/tcp  hungry_dhawan
root@ip-172-31-26-198:/var/lib/docker/volumes#
```

-docker inspect c24 |less

```
{
  "Id": "c2466611700502c488380fbd5ac753fd33a1cd4b9ff619ec9d4a500b3e98f6a2",
  "Created": "2024-03-20T07:09:58.270184487Z",
  "Path": "httpd-foreground",
  "Args": [],
  "State": {
    "Status": "running",
    "Running": true,
    "Paused": false,
    "Restarting": false,
    "OOMKilled": false,
    "Dead": false,
    "Pid": 9136,
    "ExitCode": 0,
    "Error": "",
    "StartedAt": "2024-03-20T07:09:59.527757572Z",
    "FinishedAt": "0001-01-01T00:00:00Z"
  },
  "Image": "sha256:ac45b24b92cc0527c6af660679d0701f680a6d4214cf5cf9a147f20127d9685e",
  "ResolvConfPath": "/var/lib/docker/containers/c2466611700502c488380fbd5ac753fd33a1cd4b9ff619ec9d4a500b3e98f6a2/resolv.conf",
  "HostnamePath": "/var/lib/docker/containers/c2466611700502c488380fbd5ac753fd33a1cd4b9ff619ec9d4a500b3e98f6a2/hostname",
  "HostsPath": "/var/lib/docker/containers/c2466611700502c488380fbd5ac753fd33a1cd4b9ff619ec9d4a500b3e98f6a2/hosts",
}
```

Hit the ip to check



It works!

cd /var/lib/docker/

```
root@ip-172-31-26-198:/var/lib/docker/volumes# cd /var/lib/docker/
```

-cd volumes/newvolume/

-ls

-cd _data

```
root@ip-172-31-26-198:/var/lib/docker# cd volumes/newvolume/
root@ip-172-31-26-198:/var/lib/docker/volumes/newvolume# ls
_data
root@ip-172-31-26-198:/var/lib/docker/volumes/newvolume# cd _data/
```

-echo "hello I am Vaibhav Jorvekar" > index.html

Hit the ip with default port number

