

Docker Part 2 Assignment – 2

1. Use the Apache2 container created in previous module
2. Create a bind mount on /var/www/html to replace html files dynamically

Submit the commands to complete the assignment

- A directory is created naming mountbind with an text file

```
ubuntu@ip-172-31-45-255:~$ mkdir mountbind
ubuntu@ip-172-31-45-255:~$ cd mountbind
ubuntu@ip-172-31-45-255:~/mountbind$ vi text.txt
ubuntu@ip-172-31-45-255:~/mountbind$ cd
```

- Now the directory is attached to the container on /var/www/html

```
ubuntu@ip-172-31-45-255:~$ docker run -it -v /home/ubuntu/mountbind:/var/www/html -d venkat/image1
248468272ecd4c39e9a1b1e7118a9956acb3e63b2e31e6772853acc99429803
```

```
ubuntu@ip-172-31-45-255:~$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
248468272ecd   venkat/image1  "/bin/sh -c 'apachec..." 23 seconds ago Up 21 seconds                                     busy_thompson
265d596b0823   venkat/image1  "/bin/sh -c 'apachec..." 5 hours ago   Up 5 hours                                     beautiful_bohr
37d449372f4e   4588260aa3e7   "/bin/bash"              8 hours ago   Up 8 hours   0.0.0.0:81->80/tcp, :::81->80/tcp  assignment2
2c9841a7b910   ubuntu         "/bin/bash"              22 hours ago   Up 22 hours   0.0.0.0:80->80/tcp, :::80->80/tcp  jolly_noyce
de8071d4baef   l8c42ccf14b9   "/bin/sh -c 'apachec..." 2 weeks ago   Up 2 weeks                                     awesome_haibt
```

- We can verify the bind mount by navigating to the /var/www/html in the container create

```
ubuntu@ip-172-31-45-255:~$ docker exec -it 248468272ecd /bin/bash
root@248468272ecd:/# ls
```

- As we can see the file which we have created on the mountbind directory before binding it to the container

```
root@248468272ecd:/var/www/html# ls
text.txt
root@248468272ecd:/var/www/html#
```

Commands used to complete the tasks:

- docker run -it -v /home/ubuntu/mountbind:/var/www/html -d venkat/image1
- docker ps
- docker exec -it 248468272ecd /bin/bash
- mkdir mountbind
- cd mountbind
- vi text.txt