

Docker– 5

You have been asked to:

- Create a sample HTML file
- Use the Dockerfile from the previous task
- Replace this sample HTML file inside the docker container with the default page

Let us make a Dockerfile first.

sudo nano Dockerfile

#paste this:

FROM ubuntu

RUN apt-get update

RUN DEBIAN_FRONTEND="noninteractive" apt-get install tzdata -y

RUN apt-get install apache2 -y

COPY index.html /var/www/html/

ENTRYPOINT apache2ctl -D FOREGROUND

The fifth line in above commands indicate: It will copy index.html content and it will replace the location of apache2 /var/www/html.

```
Expanded security advisories for applications to use Ubuntu's
10 updates can be applied immediately.
10 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

last login: Thu Feb 16 12:14:10 2023 from 10.206.107.29
ubuntu@ip-172-31-0-202:~$ mkdir assignment5
ubuntu@ip-172-31-0-202:~$ cd assignment5
-bash: cd: assignment5: No such file or directory
ubuntu@ip-172-31-0-202:~$ mkdir assign5
ubuntu@ip-172-31-0-202:~$ cd assign5
ubuntu@ip-172-31-0-202:~/assign5$ sudo nano Dockerfile
```

i-0110e991beeca2d21 (for-docker-assignment)

PublicPc: 55.175.116.104 PrivatePc: 172.31.0.202

Feedback Language © 2023 Amazon Web Services India Private Limited or its affiliates Privacy Terms Cookie preferences

RWS Services [Alt+S]

GNU nano 6.2 Dockerfile *

```
FROM ubuntu
RUN apt-get update
RUN DEBIAN_FRONTEND="noninteractive" apt-get install tzdata -y
RUN apt-get install apache2 -y
COPY index.html /var/www/html/
ENTRYPOINT apache2ctl -D FOREGROUND
```

⌘ Help ⌘ Exit ⌘ Write Out ⌘ Read File ⌘ Where Is ⌘ Replace ⌘ Cut ⌘ Paste ⌘ Execute ⌘ Justify ⌘ Location ⌘ Go To Line ⌘ Undo ⌘ Redo ⌘ Set Mark ⌘ Copy ⌘ To Bracket ⌘ Where Was ⌘ Previous ⌘ Next ⌘ Back ⌘ Forward ⌘ Prev Word ⌘ Next Word

i-0110e991beeca2d21 (for-docker-assignment)

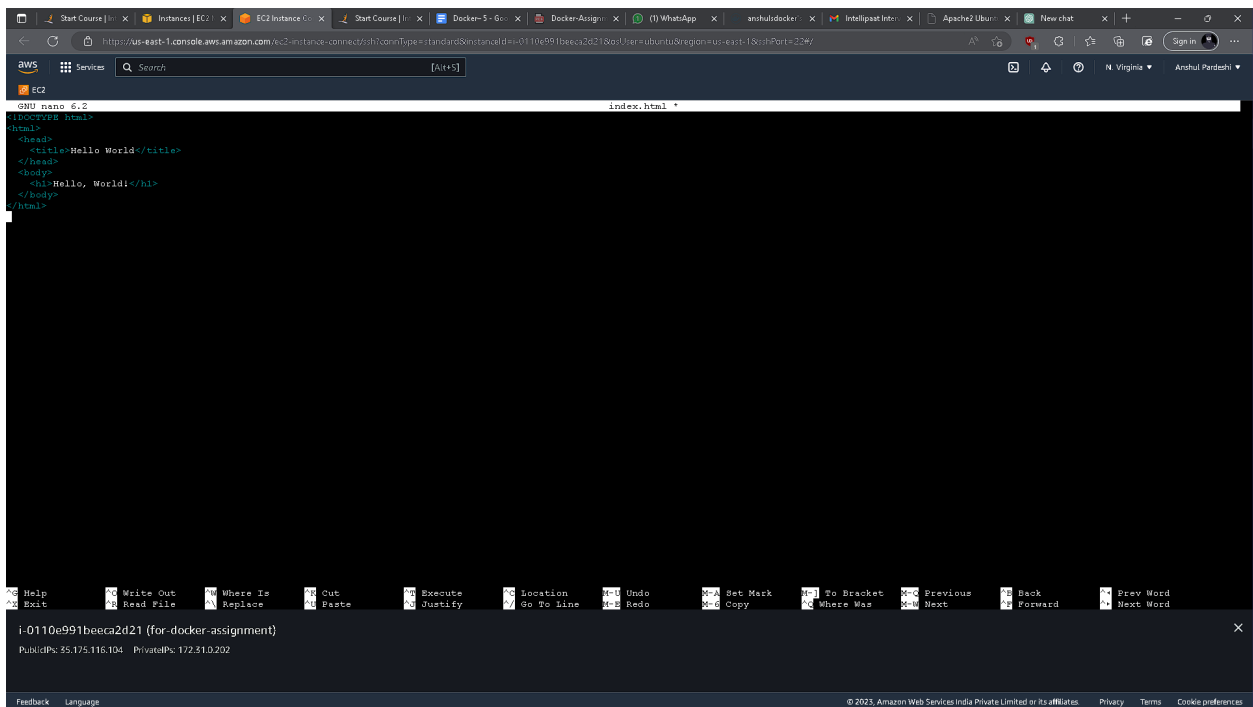
PublicPc: 55.175.116.104 PrivatePc: 172.31.0.202

Now let's create an index.html file.

Sudo nano index.html:

We can paste anything here that you want to display. We paste:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Hello World</title>
  </head>
  <body>
    <h1>Hello, World!</h1>
  </body>
</html>
```



Let us build the image now: sudo docker build . -t <any name>



Now let us run it on some port number:
Sudo docker run -itd -p 99:80 <last name given>

```
Done.
Removing intermediate container 3efbe501d4a5
--> 6dcae59a0588
Step 5/6 : COPY index.html /var/www/html/
--> b2596b0a57f4
Step 6/6 : ENVIRONMENT apache2ctl -D FOREGROUND
--> Running in 0af11972e193
Removing intermediate container 0af11972e193
--> add2529c89f9
Successfully built add2529c89f9
Successfully tagged for-assign5:latest
ubuntu@ip-172-31-0-202:~/assign5$ sudo docker list
docker: 'list' is not a docker command.
See 'docker --help'
ubuntu@ip-172-31-0-202:~/assign5$ sudo docker get
docker: 'get' is not a docker command.
See 'docker --help'
ubuntu@ip-172-31-0-202:~/assign5$ sudo docker run -itd -p 99:80 for-assign5
f7eaf7eab1b8eac80c0ae87a0038d0c0dbd31f4e4dc0692eb0141e51dd6bd276d9
ubuntu@ip-172-31-0-202:~/assign5$
```

i-0110e991beeca2d21 (for-docker-assignment)

PublicIP: 35.175.116.104 PrivateIP: 172.31.0.202

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates Privacy Terms Cookie preferences

Now let's copy paste the ip address with port n.o 99 to see if the html page is reflected.
And, yes we can see the Hello world page that we displayed reflected here.

