

Module 3: Docker Part 1 Assignment - 4

Tasks To Be Performed:

1. Create a Dockerfile with the following specs:

- Ubuntu container
- Apache2 installed
- Apache2 should automatically run once the container starts

2. Submit the Dockerfile for assignment completion

Solution:

1. Create a Dockerfile with the following specs:

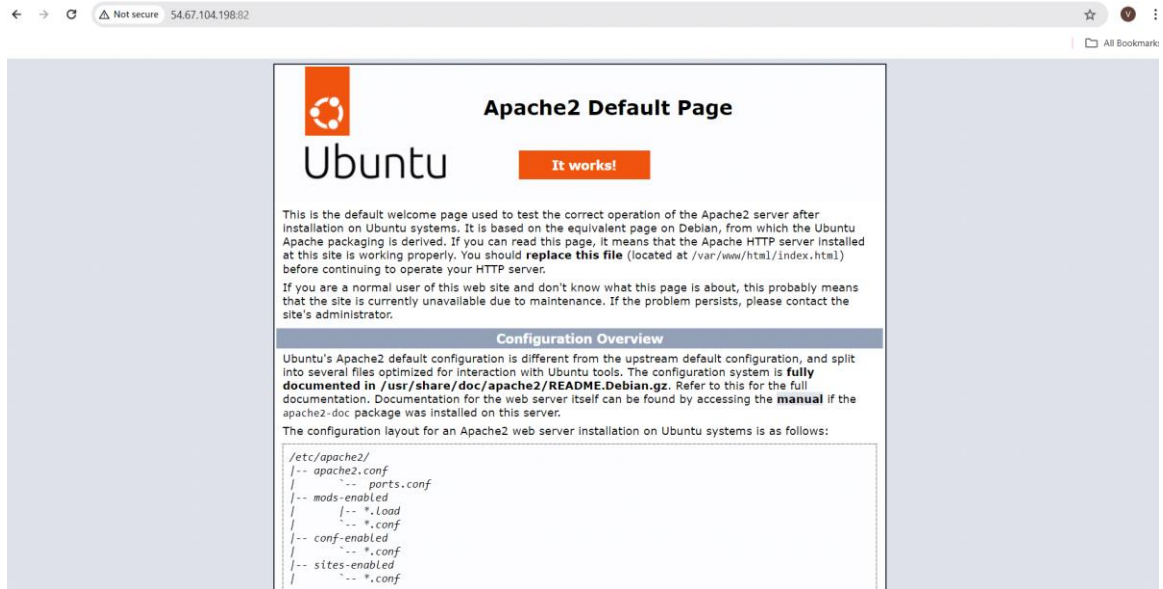
- Ubuntu container
- Apache2 installed
- Apache2 should automatically run once the container starts

```
aws Services Q Search [Alt+S]
GNU nano 7.2 Dockerfile
FROM ubuntu
RUN apt-get update
RUN apt-get install apache2 -y
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

```
aws Services Q Search [Alt+S]
ubuntu@ip-172-31-5-28:~$ sudo nano Dockerfile
ubuntu@ip-172-31-5-28:~$ cat Dockerfile
FROM ubuntu
RUN apt-get update
RUN apt-get install apache2 -y
ENTRYPOINT apache2ctl -D FOREGROUND
ubuntu@ip-172-31-5-28:~$ sudo docker build . -t image2
```

```
aws Services Q Search [Alt+S]
ubuntu@ip-172-31-5-28:~$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
image2 latest 48987faef432 51 seconds ago 222MB
image1 latest 77b29ab9b9fd 2 hours ago 222MB
vaishnavigolhar/image1 latest 77b29ab9b9fd 2 hours ago 222MB
ubuntu latest 17c0145030df 2 weeks ago 76.2MB
ubuntu@ip-172-31-5-28:~$ sudo docker run -itd -p 82:80 --name C3 image2
f34b9f6a776d240e103587bf09eb37483fd75ee56ad196484f456b238889d9fc
ubuntu@ip-172-31-5-28:~$ sudo docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f34b9f6a776d image2 "/bin/sh -c 'apachec..." 6 seconds ago Up 5 seconds 0.0.0.0:82->80/tcp, :::82->80/tcp C3
49e18247513d image1 "/bin/bash" About an hour ago Up About an hour 0.0.0.0:81->80/tcp, :::81->80/tcp C1
c2183428ed5e ubuntu "/bin/bash" 2 hours ago Up 2 hours 0.0.0.0:80->80/tcp, :::80->80/tcp unruffled_kalam
ubuntu@ip-172-31-5-28:~$ sudo docker exec -it C3 bash
root@f34b9f6a776d:/# service apache2 status
* apache2 is running
root@f34b9f6a776d:/#
```



25 sudo nano Dockerfile

26 cat Dockerfile

27 sudo docker build . -t image2

28 clear

29 sudo docker images

30 sudo docker run -itd -p 82:80 --name C3 image2

31 sudo docker ps

32 sudo docker exec -it C3 bash

33 history

1 service apache2 status

2 history

