

Module – 3: Docker – I Assignment – 4

You have been asked to:

Create a dockerfile with the following specs:

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

Submit the dockerfile, for assignment completion

```
FROM ubuntu:22.04
ARG DEBIAN_FRONTEND=noninteractive
RUN apt update && apt install -y apache2 && apt autoremove -y && apt clean
EXPOSE 80
RUN service apache2 start
CMD ["apachectl", "-D", "FOREGROUND"]
```


01

02

```
(base) haritharan@haritharan-home-pc:~/Documents/GitHub/devops-foundation-training/module_3_docker/module_3_assignment_4$ sudo docker build --tag ubuntu_with_apacher2_docker .
Sending build context to Docker daemon 1.334MB
Step 1/6 : FROM ubuntu:22.04
--> 6795c0065f64
Step 2/6 : ARG DEBIAN_FRONTEND=noninteractive
--> Using cache
--> da85b5ba570f
Step 3/6 : RUN apt update && apt install -y apache2 vim && apt autoremove -y && apt clean
--> Using cache
--> 75ae3260d44a
Step 4/6 : EXPOSE 80
--> Using cache
--> da4393b5bc6c
Step 5/6 : RUN service apache2 start
--> Using cache
--> b59f6c23cc98
Step 6/6 : CMD ["apachectl", "-D", "FOREGROUND"]
--> Using cache
--> daf6d7e2f932
Successfully built daf6d7e2f932
Successfully tagged ubuntu_with_apacher2_docker:latest
```

03

```
(base) haritharan@haritharan-home-pc:~/Documents/GitHub/devops-foundation-training/module_3_docker/module_3_assignment_4$ sudo docker run --detach --publish=82:80 ubuntu_with_apacher2_docker apachectl -D FOREGROUND
0129dab3563d58060c18c5dd2d2c0c5df61358a30b2bb7e06879ea9576921145
```



Apache2 Ubuntu Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

1. Prepare this Dockerfile
2. Build the Dockerfile. This will take some time.
3. Run the Docker container in detached mode with command to start apache2 service in foreground
4. In the hot maching, open the browser and point to <http://localhost:82> and the default apache2 page must be shown.