

## **Module-3: Docker – I Assignment - 4**

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**Course Offered: -Advanced Cloud Computing and Devops**

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**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**

**This Below Dockerfile has been created so this is the DockerFile contains.**

**# Use the official Ubuntu image as the base image**

**FROM ubuntu:latest**

**# Update package list and install Apache2**

**RUN apt-get update && \**

**apt-get install -y apache2 && \**

**apt-get clean**

**# Expose port 80 for Apache**

**EXPOSE 80**

**# Start Apache2 in the foreground when the container runs**

**CMD ["apache2ctl", "-D", "FOREGROUND"]**

```
GNU nano 7.2 Dockerfile
# Use Ubuntu as the base image
FROM ubuntu:latest

# Install Apache2
RUN apt update && apt install -y apache2 && apt clean

# Copy custom index.html to Apache's default web directory
COPY index.html /var/www/html/index.html

# Expose port 80
EXPOSE 80

# Start Apache server in the foreground
CMD ["apache2ctl", "-D", "FOREGROUND"]
```

```
root@ip-172-31-20-100:/home/ubuntu# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                    NAMES
8f2884d02383   my-apache-server  "apache2ctl -D FOREGR..."  7 minutes ago  Up 7 minutes  0.0.0.0:8080->80/tcp, [::]:8080->80/tcp  apache-container
root@ip-172-31-20-100:/home/ubuntu#
```