**Dockerfile**

**Here's a Dockerfile example for setting up a simple Apache HTTP server using the official `httpd` image:**

```Dockerfile

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

**FROM httpd:2.4**

**# Copy your web application files to the Apache document root**

**COPY ./public-html/ \***

```

This **Dockerfile** is for a basic setup of an **Apache HTTP server:**

1. It uses the official `**httpd:2.4**` image as the base image, which is the official Apache HTTP server image.

2. It copies your web application files from the **`./public-html/`** directory on your host machine to the Apache document root in the container, which is **`/usr/local/apache2/htdocs/`.**

To build a Docker image using this **Dockerfile**, navigate to the directory where the **Dockerfile** is located and run the following command:

```bash

**docker build -t my-httpd-app .**

```

This command will build a Docker image named "**my-httpd-app**" based on the contents of the current directory. You can replace "**my-httpd-app**" with your desired image name.

To run a container from the image:

```bash

**docker run -p 8080:80 my-httpd-app**

```

This command will start a container from the "**my-httpd-app**" image and map port 8080 from the container to port 80 on your host machine, allowing you to access the Apache HTTP server running in the container.

Make sure you have Docker installed on your system and the web application files in a directory named `**public-html**` in the same directory as the **Dockerfile** before running these commands.