

52. Run the docker container from recently created image and run that docker container to 5000 port of host system.

o run the Docker container from the `hello-flask-app` image you created and map it to port 5000 on the host system, follow these steps:

1. Run the Docker Container on Port 5000

Use the following command to start the container and map it to port 5000 on your host:

bash

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```
docker run -d -p 5000:5000 hello-flask-app
```

Explanation of the Command

- `-d`: Runs the container in detached mode, allowing it to run in the background.
- `-p 5000:5000`: Maps port 5000 on the host to port 5000 on the container, allowing access to the Flask app via `http://localhost:5000`.

2. Verify the Container is Running

To confirm that the container is running, use:

bash

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```
docker ps
```

You should see `hello-flask-app` in the list of running containers with `0.0.0.0:5000->5000/tcp` under the "PORTS" column.

3. Test the Application

Open your browser and go to <http://localhost:5000>. You should see "Hello, World!" displayed from your Flask application, confirming it's successfully running on port 5000 of your host system.