

50. Run the Docker container from recently created image and run the container at port number 80 in host system.

o run the Docker container from the image you just created (**simple-login-app**) and map it to port 80 on the host system, follow these steps:

1. Stop Any Services Using Port 80

First, make sure that no other services (such as a local Apache or NGINX server) are running on port 80, as Docker needs exclusive access to that port.

2. Run the Docker Container on Port 80

Use the following command to run the container and map it to port 80 on your host:

bash

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```
docker run -d -p 80:80 simple-login-app
```

Explanation of the Command

- **-d**: Runs the container in detached mode, so it runs in the background.
- **-p 80:80**: Maps port 80 on the host to port 80 on the container, allowing access to the application via **http://localhost**.

3. Verify the Container is Running

To check if the container is running, use:

bash

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```
docker ps
```

You should see `simple-login-app` in the list of running containers with `0.0.0.0:80->80/tcp` under the "PORTS" column.

4. Test the Application

Now, open your browser and navigate to `http://localhost`. You should see the login page served by your application running on port 80 of your host system.