

Building a simple flask app image.

Step 1: Create a Dockerfile with command "touch Dockerfile"

And add the following contents to it.

```
FROM python:3.12-slim

WORKDIR /app


COPY app.py /app
COPY requirements.txt /app

RUN pip install -r requirements.txt

EXPOSE 5000
CMD ["python", "app.py"]
```

Setp2: build the docker image with the following command

“docker image build --tag python-app:v1 .”



```
01:59:33 python
main [!?] # docker image build --tag flask-app:v1 .
[+] Building 1.1s (10/10) FINISHED docker:desktop-linux
=> [internal] load build definition from Dockerfile 0.0s
=> => transferring dockerfile: 208B 0.0s
=> [internal] load metadata for docker.io/library/python:3.12-slim 0.9s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [1/5] FROM docker.io/library/python:3.12-slim@sha256:f11725aba18c 0.0s
=> [internal] load build context 0.0s
=> => transferring context: 64B 0.0s
=> CACHED [2/5] WORKDIR /app 0.0s
=> CACHED [3/5] COPY app.py /app 0.0s
=> CACHED [4/5] COPY requirements.txt /app 0.0s
=> CACHED [5/5] RUN pip install -r requirements.txt 0.0s
=> exporting to image 0.0s
=> => exporting layers 0.0s
=> => writing image sha256:f01efcd25477eb9d62321304f41d11b74f253a25d 0.0s
=> => naming to docker.io/library/flask-app:v1 0.0s

What's next:
  View a summary of image vulnerabilities and recommendations -> docker sco
ut quickview

01:59:51 python
main [!?] #
```

Setp2: build the docker image with the following command

“docker image build --tag python-app:v1 .”

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Setp 3: Run the container with the build image.

“docker container run -p 8080:5000 --name flask-server flask-app:v1”

