

Python Flaskapp

Steps:

- 1) git clone (http link of repo)
- 2) ls
- 3) cd Docker_images/
- 4) cd pythobflaskapp/
- 5) vim Dockerfile
FROM python:3.8

LABEL "app" = "FlaskApp"

copy . .

RUN pip install -r requirements.txt

EXPOSE 5000

CMD ["flask", "run", "--host", "0.0.0.0"]
- 6) docker build .
- 7) docker images
- 8) docker run -d -p 5000:5000 id (image id)
- 9) docker ps
- 10) search public ip:port

```
root@ip-172-31-87-219:~# git clone https://github.com/AnupDudhe/docker_images.git
Cloning into 'docker_images'...
remote: Enumerating objects: 401, done.
remote: Counting objects: 100% (264/264), done.
remote: Compressing objects: 100% (171/171), done.
remote: Total 401 (delta 107), reused 133 (delta 57), pack-reused 137
Receiving objects: 100% (401/401), 1.49 MiB | 17.59 MiB/s, done.
Resolving deltas: 100% (165/165), done.
root@ip-172-31-87-219:~# ls
docker_images snap
root@ip-172-31-87-219:~# cd docker_images/
root@ip-172-31-87-219:~/docker_images# ls
2048game          BasicHelloworldNode  basicHTTPOddockerfile  frontend          nodedockerfile  pythondjango  wordpressdockerfile
Backend           HTTPDhostingstatictemplates  'centoshttpd(minimal use of 66)'  httpddockerfile  nodejsTodoAPP  pythondockerfile
BasicFlaskHelloworld  HTTPdAlpineDockerfile  dockerfilestudentapp  nginxdockerfile  phpdockerfile  pythonflaskapp
root@ip-172-31-87-219:~/docker_images# cd pythonflaskapp/
root@ip-172-31-87-219:~/docker_images/pythonflaskapp# ls
Dockerfile  Procfile  README.md  app.py  nltk.txt  readme_images  requirements.txt  runtime.txt  static  summarizer.py  templates
root@ip-172-31-87-219:~/docker_images/pythonflaskapp# vim Dockerfile
root@ip-172-31-87-219:~/docker_images/pythonflaskapp# docker build .
[+] Building 32.5s (6/7)
[+] Building 33.9s (6/7)
[+] Building 36.6s (6/7)
[+] Building 40.1s (6/7)
[+] Building 41.3s (6/7)
[+] Building 42.6s (6/7)
root@ip-172-31-87-219:~/docker_images/pythonflaskapp# docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
<none>              <none>       515f5ba8ef5b     2 minutes ago   1.68GB
root@ip-172-31-87-219:~/docker_images/pythonflaskapp# docker run -d -p 5000:5000 515
907528828d9ccc759145fe14ffa5d93cced5feb4bc492d758883088a048665b1
root@ip-172-31-87-219:~/docker_images/pythonflaskapp# docker ps
CONTAINER ID        IMAGE          COMMAND                  CREATED          STATUS          PORTS                               NAMES
907528828d9c       515           "flask run --host 0..."  5 seconds ago   Up 4 seconds   0.0.0.0:5000->5000/tcp, :::5000->5000/tcp  zealous_yonath
```

Output:

