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v OPEN EDITORS
x app.py
  Dockerfile
v DOCKER-COMPOSE-EXAMPLE
  app.py
  docker-compose.yml
  Dockerfile
  README.md
  requirements.txt

app.py
Thomas Chen, 8 months ago | 1 author (Thomas Chen, 8 months ago)
1 import time
2
3 import redis
4 from flask import Flask
5
6 app = Flask(__name__)
7 cache = redis.Redis(host='redis', port=6379)
8
9 def get_hit_count():
10     retries = 5
11     while True:
12         try:
13             return cache.incr('hits')
14         except redis.exceptions.ConnectionError:
15             if retries == 0:
16                 raise exc
17             retries -= 1
18             time.sleep(1)
19
20 @app.route('/')
21 def hit_count():
22     return 'Hello World! Hit count: %s' % get_hit_count()
23
24 if __name__ == '__main__':
25     app.run(host='0.0.0.0', port=5000)

Admin@DESKTOP-S5NBND2 MINGW64 ~/workspace/docker-compose-example (main)$ ls
app.py  docker-compose.yml  Dockerfile  README.md  requirements.txt

Admin@DESKTOP-S5NBND2 MINGW64 ~/workspace/docker-compose-example (main)$
```

```
Admin@DESKTOP-S5NBND2 MINGW64 ~/workspace/docker-compose-example (main)
$ docker build -t dockercomposeproject .
[+] Building 2.4s (15/15) FINISHED
=> [internal] load build definition from Dockerfile                                0.1s
=> => transferring dockerfile: 32B                                                0.0s
=> [internal] load .dockerignore                                                  0.1s
=> => transferring context: 2B                                                    0.0s
=> resolve image config for docker.io/docker/dockerfile:1                      0.9s
=> CACHED docker-image://docker.io/docker/dockerfile:1@sha256:d2d              0.0s
=> [internal] load build definition from Dockerfile                                0.0s
=> [internal] load .dockerignore                                                  0.0s
=> [internal] load metadata for docker.io/library/python:3.7-alpine            0.7s
=> [internal] load build context                                                  0.1s
=> => transferring context: 2.83kB                                                0.0s
=> [1/6] FROM docker.io/library/python:3.7-alpine@sha256:6b5b9c9e             0.0s
=> CACHED [2/6] WORKDIR /code                                                    0.0s
=> CACHED [3/6] RUN apk add --no-cache gcc musl-dev linux-headers               0.0s
=> CACHED [4/6] COPY requirements.txt requirements.txt                          0.0s
=> CACHED [5/6] RUN pip install -r requirements.txt                            0.0s
=> CACHED [6/6] COPY . .                                                         0.0s
=> exporting to image                                                            0.1s
=> => exporting layers                                                            0.0s
=> => writing image sha256:a2d5098df23c0c06161824ea63ca7e80c13d01             0.0s
=> => naming to docker.io/library/dockercomposeproject                        0.0s
```

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

```
Admin@DESKTOP-S5NBND2 MINGW64 ~/workspace/docker-compose-example (
main)
$ docker-compose up -d
[+] Running 2/2
- Container docker-compose-example-web-1 Started 1.4s
- Container docker-compose-example-redis-1 Started 1.4s
```

```
Admin@DESKTOP-S5NBND2 MINGW64 ~/workspace/docker-compose-example (
main)
$ docker-compose ps
```

NAME	STATUS	COMMAND	SERVICE
docker-compose-example-redis-1	running	"docker-entrypoint.s..." 6379/tcp	redis
docker-compose-example-web-1	running	"flask run" 0.0.0.0:8000->5000/tcp	web

```
Admin@DESKTOP-S5NBND2 MINGW64 ~/workspace/docker-compose-example (
main)
```



Hello World! I have been seen 1 times.

