



Dockers.

Universidad Tecnológica del Norte de Guanajuato
Infraestructura de redes

Programación de Redes
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GIR0441

Alumnos:
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Dolores Hidalgo C.I.N.; hoy 12 de noviembre del
2022

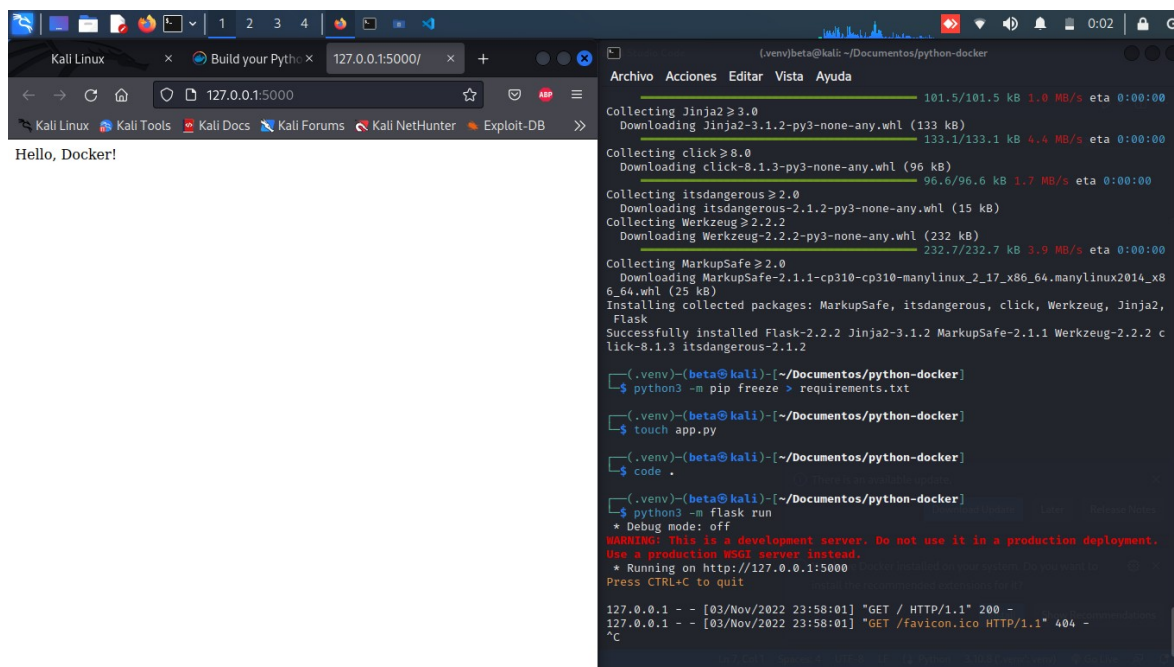
1.- Muestro mi usuario y directorio donde he hecho mi docker

```
(beta@kali) ~/Documentos/python-docker
$ id
uid=1000(beta) gid=1000(beta) grupos=1000(beta),4(adm),20(dialout),24(cdrom),25(floppy),27(sudo),29(audio),30(dip),44(video),46(plugdev),109(netdev),116(bluetooth),125(scanner),128(kaboxer),129(wireshark),131(docker)

(beta@kali) ~/Documentos/python-docker
$ pwd
/home/beta/Documentos/python-docker

(beta@kali) ~/Documentos/python-docker
$
```

2.- Prueba de un docker en navegador



3.- Creación de una imagen

```
[.venv]root@kali: /home/beta/Documentos/python-docker

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4500a762c546: Pull complete
eaa89787764f: Pull complete
9377b4a0d06d: Pull complete
d0e5195f1f50: Pull complete
f0d77123acbc: Pull complete
Digest: sha256:2faab08db0d11bb549be5b7b626ad23fcd0fe7998ad02a708381f1800a3fd5
Status: Downloaded newer image for python:3.8-slim-buster
   -> d55c26ea3903
Step 2/6 : WORKDIR /app
   -> Running in 9ca2463c984a
Removing intermediate container 9ca2463c984a
   -> d238f6b65145
Step 3/6 : COPY requirements.txt requirements.txt
   -> 4500fb7d6554
Step 4/6 : RUN pip3 install -r requirements.txt
   -> Running in e39ae1bea31e
Collecting click==8.1.3
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
    96.6/96.6 KB 1.2 MB/s eta 0:00:00
Collecting Flask==2.2.2
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
    101.5/101.5 KB 3.3 MB/s eta 0:00:00
Collecting itsdangerous==2.1.2
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting Jinja2==3.1.2
  Downloading Jinja2-3.1.2-py3-none-any.whl (133 kB)
    133.1/133.1 KB 6.1 MB/s eta 0:00:00
Collecting MarkupSafe==2.1.1
  Downloading MarkupSafe-2.1.1-cp38-cp38-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (25 kB)
Collecting Werkzeug==2.2.2
  Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
    232.7/232.7 KB 9.0 MB/s eta 0:00:00
Collecting importlib-metadata >= 3.6.0
  Downloading importlib_metadata-5.0.0-py3-none-any.whl (21 kB)
Collecting zipp >= 0.5
  Downloading zipp-3.10.0-py3-none-any.whl (6.2 kB)
Installing collected packages: zipp, MarkupSafe, itsdangerous, click, Werkzeug, Jinja2, importlib-metadata, Flask
Successfully installed Flask-2.2.2 Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 importlib-metadata-5.0.0 itsdangerous-2.1.2 zipp-3.10.0
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual
environment instead: https://pip.pypa.io/warnings/venv
```

```
[.venv]root@kali: /home/beta/Documentos/python-docker

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mv dockerfile Dockerfile

[.venv]-(root@kali)-[/home/beta/Documentos/python-docker]
# docker build --tag python-docker .
Sending build context to Docker daemon 22.83MB
Step 1/6 : FROM python:3.8-slim-buster
3.8-slim-buster: Pulling from library/python
4500a762c546: Pull complete
eaa89787764f: Pull complete
9377b4a0d06d: Pull complete
d0e5195f1f50: Pull complete
f0d77123acbc: Pull complete
Digest: sha256:2faab08db0d11bb549be5b7b626ad23fcd0fe7998ad02a708381f1800a3fd5
Status: Downloaded newer image for python:3.8-slim-buster
   -> d55c26ea3903
Step 2/6 : WORKDIR /app
   -> Running in 9ca2463c984a
Removing intermediate container 9ca2463c984a
   -> d238f6b65145
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    96.6/96.6 KB 1.2 MB/s eta 0:00:00
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    101.5/101.5 KB 3.3 MB/s eta 0:00:00
Collecting itsdangerous==2.1.2
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    232.7/232.7 KB 9.0 MB/s eta 0:00:00
Collecting importlib-metadata >= 3.6.0
  Downloading importlib_metadata-5.0.0-py3-none-any.whl (21 kB)
```

4.- Docker images

```
[.venv]root@kali: /home/beta/Documentos/python-docker

Archivo Acciones Editar Vista Ayuda
66c6966d About a minute ago 150MB
python-docker v1.0.0 f574
66c6966d About a minute ago 150MB
ubuntu latest a878
0b506fa4 8 days ago 77.8MB
python 3.8-slim-buster d55c
26ea3903 2 weeks ago 117MB
kaboxer/zenmap 7.92 10ff
26902a06 12 months ago 672MB
kaboxer/zenmap current 10ff
26902a06 12 months ago 672MB
registry.gitlab.com/kalilinux/packages/zenmap-kbx/zenmap 7.92 10ff
26902a06 12 months ago 672MB

[.venv]-(root@kali)-[/home/beta/Documentos/python-docker]
# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
python-docker latest f57466c6966d About a minute ago 150MB
python-docker v1.0.0 f57466c6966d About a minute ago 150MB
ubuntu latest a8780b506fa4 8 days ago 77.8MB
python 3.8-slim-buster d55c26ea3903 2 weeks ago 117MB
kaboxer/zenmap 7.92 10ff26902a06 12 months ago 672MB
kaboxer/zenmap current 10ff26902a06 12 months ago 672MB
registry.gitlab.com/kalilinux/packages/zenmap-kbx/zenmap 7.92 10ff26902a06 12 months ago 672MB

[.venv]-(root@kali)-[/home/beta/Documentos/python-docker]
# docker rmi python-docker:v1.0.0
Untagged: python-docker:v1.0.0

[.venv]-(root@kali)-[/home/beta/Documentos/python-docker]
# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
python-docker latest f57466c6966d 2 minutes ago 150MB
ubuntu latest a8780b506fa4 8 days ago 77.8MB
python 3.8-slim-buster d55c26ea3903 2 weeks ago 117MB
kaboxer/zenmap 7.92 10ff26902a06 12 months ago 672MB
kaboxer/zenmap current 10ff26902a06 12 months ago 672MB
registry.gitlab.com/kalilinux/packages/zenmap-kbx/zenmap 7.92 10ff26902a06 12 months ago 672MB

[.venv]-(root@kali)-[/home/beta/Documentos/python-docker]
#
```