

Padlet (Evaluación continua) - Semana 3 Ejercicio propuesto

Ejercicio: Propuesto

Ejercicio a):

- Suba la imagen websimple a hub.docker.com
- Despliegue el contenedor en otras computadoras puerto 8080

Ejercicio b):

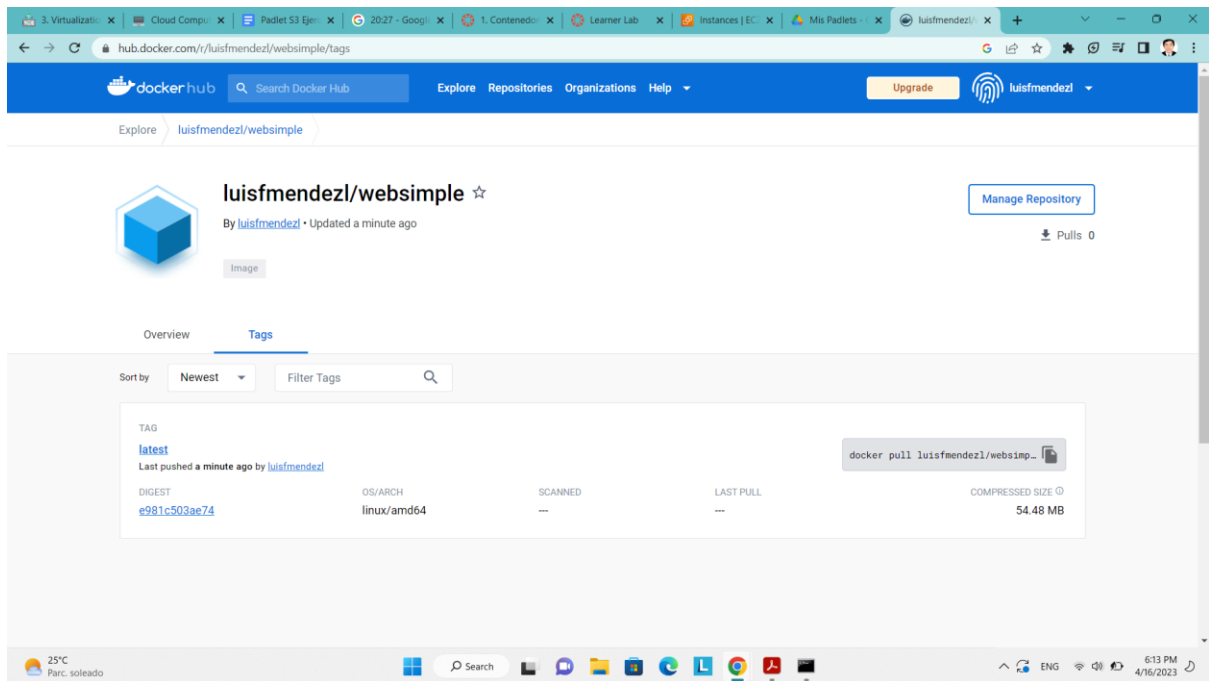
- Cree una imagen webplantilla con dockerfile
- Suba la imagen webplantilla a hub.docker.com
- Despliegue el contenedor en otras computadoras puerto 8081

Ejercicio a)

Create and upload image from VM development

```
OpenSSH SSH client
Last login: Sat Apr 15 22:19:15 2023 from 190.232.110.173
:~ $ docker images
REPOSITORY          TAG         IMAGE ID      CREATED       SIZE
api-students        latest     f57b12226b80  27 hours ago 144MB
luismendezl/api-students latest     f57b12226b80  27 hours ago 144MB
websimple           latest     a0e0261e1f77  27 hours ago 145MB
:~ $ docker login -u luismendezl
Password:
WARNING! Your password will be stored unencrypted in /home/ubuntu/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
:~ $ docker tag websimple luismendezl/websimple
:~ $ docker images
REPOSITORY          TAG         IMAGE ID      CREATED       SIZE
api-students        latest     f57b12226b80  27 hours ago 144MB
luismendezl/api-students latest     f57b12226b80  27 hours ago 144MB
websimple           latest     a0e0261e1f77  27 hours ago 145MB
luismendezl/websimple latest     a0e0261e1f77  27 hours ago 145MB
:~ $ docker push luismendezl/websimple
Using default tag: latest
The push refers to repository [docker.io/luismendezl/websimple]
36f98f6d70c7: Pushed
355053d0995e: Mounted from library/httpd
e7bd853ca2e7: Mounted from library/httpd
16f81c3ee33a: Mounted from library/httpd
568467bc0db5: Mounted from library/httpd
ed7b0ef3bf5b: Mounted from luismendezl/api-students
latest: digest: sha256:e981c503ae740ec85cef8760846461fbaf37985a623eb84ddfb5728b33b19749 size: 1574
:~ $ docker logout
Removing login credentials for https://index.docker.io/v1/
:~ $
```



Run container from VM testing (another virtual machine)

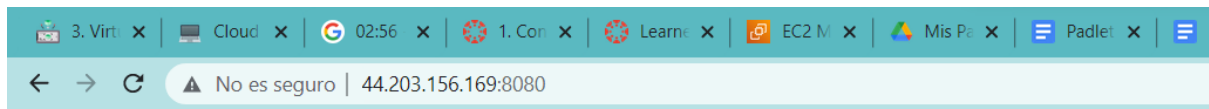
```
docker run -d -p 8080:80 luisfmendezl/websimple
```

```
Last login: Sat Apr 15 22:00:05 2023 from 190.232.110.173
:~ $ docker images
REPOSITORY          TAG          IMAGE ID       CREATED        SIZE
luismendezl/api-students  latest      f57b12226b80   27 hours ago   144MB
:~ $ docker run -d -p 8080:8000 luismendezl/websimple
Unable to find image 'luismendezl/websimple:latest' locally
latest: Pulling from luismendezl/websimple
26c5c85e47da: Already exists
2d29d3837df5: Pull complete
2483414a5e59: Pull complete
e78016c4ba87: Pull complete
757908175415: Pull complete
f193a4803339: Pull complete
Digest: sha256:e981c503ae740ec85cef8760846461fbaf37985a623eb84ddfb5728b33b19749
Status: Downloaded newer image for luismendezl/websimple:latest
9bcabbb90c2b506b9d2635e1ade8537e2034711b5febcecbc48794db27caf794
:~ $ docker ps
CONTAINER ID   IMAGE                      COMMAND                  CREATED        STATUS        PORTS
9bcabbb90c2b   luismendezl/websimple     "httpd-foreground"      9 seconds ago   Up 8 seconds   80/tcp, 0.0.
0.0:8080->8000/tcp, :::8080->8000/tcp
:~ $ pwd
/home/ubuntu
:~ $ ls -l
total 16
drwxr-xr-x 2 ubuntu ubuntu 4096 Apr 14 13:30 environment
drwxr-xr-x 5 ubuntu ubuntu 4096 Apr 14 13:41 node_modules
-rw-r--r-- 1 ubuntu ubuntu 1969 Apr 14 13:41 package-lock.json
-rw-r--r-- 1 ubuntu ubuntu 79 Apr 14 13:41 package.json
:~ $ docker images
REPOSITORY          TAG          IMAGE ID       CREATED        SIZE
luismendezl/api-students  latest      f57b12226b80   27 hours ago   144MB
luismendezl/websimple     latest      a0e0261e1f77   28 hours ago   145MB
:~ $ docker stop 9bcabbb90c2b
9bcabbb90c2b
:~ $ docker ps
CONTAINER ID   IMAGE                      COMMAND                  CREATED        STATUS        PORTS        NAMES
:~ $ docker run -d -p 8080:80 luismendezl/websimple
f81d141ea2afdb3a514d7ce151e13aa762592ccee10f59e573032b06f1340136
:~ $ docker ps
CONTAINER ID   IMAGE                      COMMAND                  CREATED        STATUS        PORTS
f81d141ea2af   luismendezl/websimple     "httpd-foreground"      10 seconds ago   Up 9 seconds   0.0.0.0:808
0->80/tcp, :::8080->80/tcp   funny_mcnulty
:~ $
```



ENG

6:30 PM
4/16/2023



Página web del Curso Cloud Computing - Ciclo 2023-1

Semana 2 - Taller de máquina virtual

Los alumnos son:

1. PEREZ, JUAN
2. COLCHADO, GERALDO
3. LAPADULA, GIANLUCA
4. TORERO, MELVIN



Ejercicio b)

Create and upload dockerfile for webplantilla

```
OpenSSH SSH client

Last login: Sun Apr 16 23:35:32 2023 from 190.232.110.173
:~ $ ls -l
total 36
drwxrwxr-x 2 ubuntu ubuntu 4096 Apr 15 20:19 api01
drwxr-xr-x 2 ubuntu ubuntu 4096 Apr 12 20:08 environment
drwxr-xr-x 5 ubuntu ubuntu 4096 Apr 12 20:19 node_modules
-rw-r--r-- 1 ubuntu ubuntu 1969 Apr 12 20:19 package-lock.json
-rw-r--r-- 1 ubuntu ubuntu 79 Apr 12 20:19 package.json
drwxrwxr-x 3 ubuntu ubuntu 4096 Apr 14 15:15 python3
drwxrwxr-x 3 ubuntu ubuntu 4096 Apr 16 23:50 salient
drwx----- 5 ubuntu ubuntu 4096 Apr 14 14:07 utec
drwxrwxr-x 3 ubuntu ubuntu 4096 Apr 15 19:49 web
:~ $ cd salient
:~/salient $ ls -l
total 60
-rw-rw-r-- 1 ubuntu ubuntu 1989 Apr 14 14:39 License.txt
drwxrwxr-x 6 ubuntu ubuntu 4096 Apr 16 23:50 assets
-rw-rw-r-- 1 ubuntu ubuntu 52549 Apr 14 14:39 index.html
:~/salient $ pico Dockerfile
:~/salient $ cat Dockerfile
FROM httpd:2.4
COPY ./plantilla/ /usr/local/apache2/htdocs/
:~/salient $ docker build -t webplantilla .
[+] Building 0.5s (6/6) FINISHED
=> [internal] load build definition from Dockerfile                                0.1s
=> => transferring dockerfile: 97B                                              0.0s
=> [internal] load .dockerignore                                                0.0s
=> => transferring context: 2B                                                  0.0s
=> [internal] load metadata for docker.io/library/httpd:2.4                  0.3s
=> [internal] load build context                                              0.0s
=> => transferring context: 2B                                                  0.0s
=> CACHED [1/2] FROM docker.io/library/httpd:2.4@sha256:a182ef2350699f04b8f8e736747104eb273e255e 0.0s
=> ERROR [2/2] COPY ./plantilla/ /usr/local/apache2/htdocs/                  0.0s
-----
> [2/2] COPY ./plantilla/ /usr/local/apache2/htdocs/:
-----
Dockerfile:2
-----
1 | FROM httpd:2.4
2 | >>> COPY ./plantilla/ /usr/local/apache2/htdocs/
3 |
-----
ERROR: failed to solve: failed to compute cache key: failed to calculate checksum of ref moby::qg8df6u37fqqc2vftka2u8enu: "/plantilla": not found
:~/salient $ pico Dockerfile
:~/salient $ cat Dockerfile
FROM httpd:2.4
```

```
OpenSSH SSH client
FROM httpd:2.4
COPY . /usr/local/apache2/htdocs/
~/salient $ docker build -t webplantilla .
[+] Building 0.4s (7/7) FINISHED
=> [internal] load build definition from Dockerfile 0.0s
=> => transferring dockerfile: 86B 0.0s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/httpd:2.4 0.1s
=> [internal] load build context 0.1s
=> => transferring context: 3.41MB 0.1s
=> CACHED [1/2] FROM docker.io/library/httpd:2.4@sha256:a182ef2350699f04b8f8e736747104eb273e255e 0.0s
=> [2/2] COPY . /usr/local/apache2/htdocs/ 0.1s
=> exporting to image 0.1s
=> => exporting layers 0.1s
=> => writing image sha256:67c0d1a7dfc3f59c67309110a3a9211d77f68b194543111c07f29500e4f8f3cf 0.0s
=> => naming to docker.io/library/webplantilla 0.0s
~/salient $ cd ..
~/ $ docker images
REPOSITORY          TAG          IMAGE ID      CREATED       SIZE
webplantilla        latest       67c0d1a7dfc3  34 seconds ago 149MB
api-students        latest       f57b12226b80  28 hours ago  144MB
luisfmendezl/api-students latest       f57b12226b80  28 hours ago  144MB
websimple           latest       a0e0261e1f77  28 hours ago  145MB
luisfmendezl/websimple latest       a0e0261e1f77  28 hours ago  145MB
~/ $ docker tag webplantilla luisfmendezl/webplantilla
~/ $ docker images
REPOSITORY          TAG          IMAGE ID      CREATED       SIZE
webplantilla        latest       67c0d1a7dfc3  About a minute ago 149MB
luisfmendezl/webplantilla latest       67c0d1a7dfc3  About a minute ago 149MB
api-students        latest       f57b12226b80  28 hours ago  144MB
luisfmendezl/api-students latest       f57b12226b80  28 hours ago  144MB
websimple           latest       a0e0261e1f77  28 hours ago  145MB
luisfmendezl/websimple latest       a0e0261e1f77  28 hours ago  145MB
~/ $ docker push luisfmendezl/webplantilla
Using default tag: latest
The push refers to repository [docker.io/luisfmendezl/webplantilla]
7242739a0654: Preparing
355053d0995e: Preparing
e7bd853ca2e7: Preparing
16f81c3ee33a: Preparing
568467bc0db5: Preparing
ed7b0ef3bf5b: Waiting
denied: requested access to the resource is denied
~/ $ login docker -u luisfmendezl
login: Cannot possibly work without effective root
~/ $ docker login -u luisfmendezl
Password:
WARNING! Your password will be stored unencrypted in /home/ubuntu/.docker/config.json.
```

OpenSSH SSH client

```
Password:
WARNING! Your password will be stored unencrypted in /home/ubuntu/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
:~ $ docker push luisfmendezl/webplantilla
Using default tag: latest
The push refers to repository [docker.io/luisfmendezl/webplantilla]
7242739a0654: Pushed
355053d0995e: Mounted from luisfmendezl/websimple
e7bd853ca2e7: Mounted from luisfmendezl/websimple
16f81c3ee33a: Mounted from luisfmendezl/websimple
568467bc0db5: Mounted from luisfmendezl/websimple
ed7b0ef3bf5b: Mounted from luisfmendezl/websimple
latest: digest: sha256:becb13fad21360c57ee19a3a9edb05499f99f13e5bcc30ba9856989e1039bc1e size: 1577
:~ $ docker logout
Removing login credentials for https://index.docker.io/v1/
:~ $
```

dockerhub

Search Docker Hub

Explore Repositories Organizations Help

Upgrade

luisfmendezl

Explore luisfmendezl/webplantilla

luisfmendezl/webplantilla ☆

By luisfmendezl · Updated a few seconds ago

Manage Repository

Pulls 0

Overview Tags

Sort by Newest Filter Tags

TAG	DIGEST	OS/ARCH	SCANNED	LAST PULL	COMPRESSED SIZE
latest	becb13fad213	linux/amd64	---	---	56.61 MB

Last pushed a few seconds ago by luisfmendezl

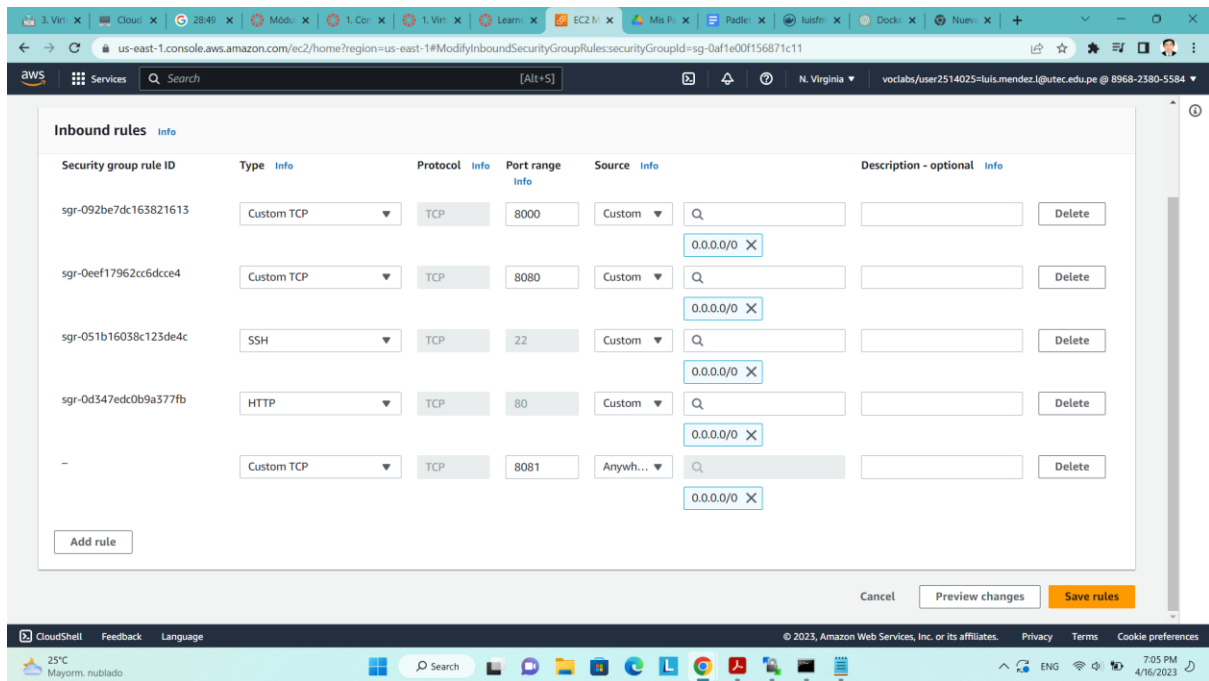
docker pull luisfmendezl/webplan...

25°C Mayorm. nublado

Search

7:03 PM 4/16/2023

Adding port 8081 to my VM testing



From VM testing (another virtual machine) run container

```
New release '20.04.6 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Sun Apr 16 23:14:57 2023 from 190.232.110.173
~$ docker images
REPOSITORY          TAG          IMAGE ID       CREATED        SIZE
luismendezl/api-students latest      f57b12226b80   28 hours ago   144MB
luismendezl/websimple latest       a0e0261e1f77   28 hours ago   145MB
~$ docker run -d -p 8081:80 luismendezl/webplantilla
Unable to find image 'luismendezl/webplantilla:latest' locally
latest: Pulling from luismendezl/webplantilla
26c5c85e47da: Already exists
2d29d3837df5: Already exists
2483414a5e59: Already exists
e78016c4ba87: Already exists
757908175415: Already exists
8f9a3239d96d: Pull complete
Digest: sha256:becb13fad21360c57ee19a3a9edb05499f99f13e5bcc30ba9856989e1039bc1e
Status: Downloaded newer image for luismendezl/webplantilla:latest
25c1057167a871655acbb6ab5bf9096c057ca490cbfad9355b68a46e604636bf
~$ docker images
REPOSITORY          TAG          IMAGE ID       CREATED        SIZE
luismendezl/webplantilla latest      67c0d1a7dfc3   9 minutes ago   149MB
luismendezl/api-students latest      f57b12226b80   28 hours ago   144MB
luismendezl/websimple latest       a0e0261e1f77   28 hours ago   145MB
~$ docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS
PORTS
25c1057167a8   luismendezl/webplantilla            "httpd-foreground"      About a minute ago Up About a minute
0.0.0.0:8081->80/tcp, :::8081->80/tcp dazbling_hermann
~$
```