Padlet (Evaluación continua) - Semana 3 Taller 1

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Exercise 3

```
total 12
-rw-rw-r-- 1 ubuntu ubuntu  478 Apr 14 13:38 index.html
-rw-rw-r-- 1 ubuntu ubuntu 6416 Apr 14 13:38 utec_logo.png
:~/web/simple $ cd ..
:~/web $ pico Dockerfile
:~/web $ :~/web $ cat Dockerfile
FROM httpd:2.4
COPY ./simple/ /usr/local/apache2/htdocs/
:~/web $ docker build -t websimple .
[+] Building 6.4s (7/7) FINISHED
 => [internal] load build definition from Dockerfile                                          0.1s
 => => transferring dockerfile: 94B                                                           0.0s
 => [internal] load .dockerignore                                                             0.1s
 => => transferring context: 2B                                                               0.0s
 => [internal] load metadata for docker.io/library/httpd:2.4                                  0.4s
 => [internal] load build context                                                            0.0s
 => => transferring context: 7.02kB                                                           0.0s
 => [1/2] FROM docker.io/library/httpd:2.4@sha256:a182ef2350699f04b8f8e736747104eb273e255e818cd55  5.7s
 => => resolve docker.io/library/httpd:2.4@sha256:a182ef2350699f04b8f8e736747104eb273e255e818cd55  0.0s
 => => sha256:a182ef2350699f04b8f8e736747104eb273e255e818cd55b6d7aa50a1490ed0c 1.86kB / 1.86kB   0.0s
 => => sha256:f34e8e25ee18da020633ef0b2bf7516d8cfdad5c5c4b0595d36e5cd78a098101 1.37kB / 1.37kB   0.0s
 => => sha256:4b7fc736cb48352ef2c989d63c74bed704fc5a0cd43eb5c7c7cf9ab7faf891d1 9.04kB / 9.04kB   0.0s
 => => sha256:26c5c85e47da3022f1bdb9a112103646c5c29517d757e95426f16e4bd9533405 31.42MB / 31.42MB  0.8s
 => => sha256:2d29d3837df5ec9e2ff0a4b8a10978ee85947355425fc7042ba7d5913f1f910e 175B / 175B       0.1s
 => => sha256:2483414a5e599016e264ee3b2ba892553ed831002bd459d007cb3eca2386960f 1.72MB / 1.72MB   0.1s
 => => sha256:e78016c4ba87597d043eed944f0d81f9de4c26455fde7521ac95fb32a7504d42 23.97MB / 23.97MB  0.9s
 => => sha256:7579081754150a46fecb265e947c78a12919a397b8135fe306794946814d9286 293B / 293B       0.2s
 => => extracting sha256:26c5c85e47da3022f1bdb9a112103646c5c29517d757e95426f16e4bd9533405         2.3s
 => => extracting sha256:2d29d3837df5ec9e2ff0a4b8a10978ee85947355425fc7042ba7d5913f1f910e         0.0s
 => => extracting sha256:2483414a5e599016e264ee3b2ba892553ed831002bd459d007cb3eca2386960f         0.2s
 => => extracting sha256:e78016c4ba87597d043eed944f0d81f9de4c26455fde7521ac95fb32a7504d42         1.2s
 => => extracting sha256:7579081754150a46fecb265e947c78a12919a397b8135fe306794946814d9286         0.0s
 => [2/2] COPY ./simple/ /usr/local/apache2/htdocs/                                           0.1s
 => exporting to image                                                                        0.0s
 => => exporting layers                                                                       0.0s
 => => writing image sha256:a0e0261e1f77800d93ad7f7fe910f72f10b57a885cf3cf25949359c712e026a7  0.0s
 => => naming to docker.io/library/websimple                                                  0.0s
:~/web $ docker images
REPOSITORY     TAG        IMAGE ID        CREATED              SIZE
websimple      latest     a0e0261e1f77    About a minute ago   145MB
:~/web $ docker run -d -p 8080:80 websimple
e786e6c88495754bece72ca7ce0f213565949568c513fad42a8dcd9146481c0a
:~/web $
```

Página web del Curso Cloud Computing - Ciclo 2023-1
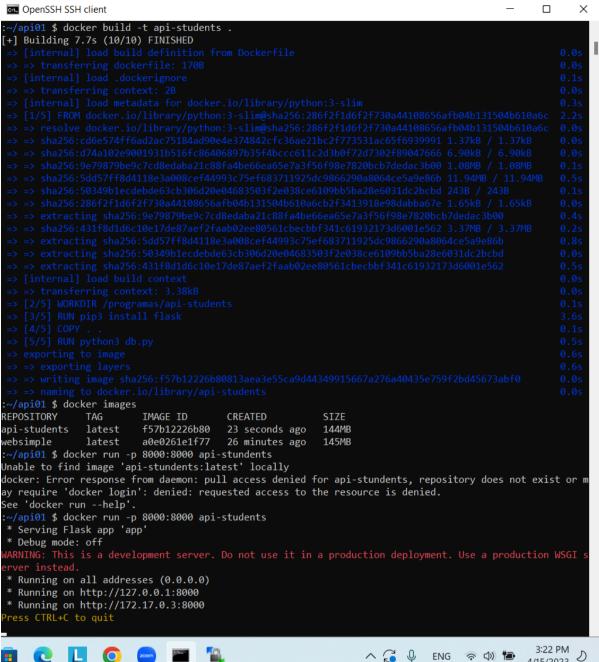
Semana 2 - Taller de máquina virtual

Los alumnos son:

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

Exercise 4


```
:~/web $ docker run -d -p 8080:80 websimple
e786e6c88495754bece72ca7ce0f213565949568c513fad42a8dcd9146481c0a
:~/web $ cd ..
:~ $ pwd
/home/ubuntu
:~ $ mkdir api01
:~ $ cd api01
:~/api01 $ ls -l
total 8
-rw-rw-r-- 1 ubuntu ubuntu 2788 Apr 14 15:15 app.py
-rw-rw-r-- 1 ubuntu ubuntu  346 Apr 14 15:15 db.py
:~/api01 $ pico Dockerfile
:~/api01 $
:~/api01 $ ls -l
total 12
-rw-rw-r-- 1 ubuntu ubuntu  131 Apr 15 20:19 Dockerfile
-rw-rw-r-- 1 ubuntu ubuntu 2788 Apr 14 15:15 app.py
-rw-rw-r-- 1 ubuntu ubuntu  346 Apr 14 15:15 db.py
:~/api01 $
```

```
OpenSSH SSH client                                                    —  □  ✕

:~/api01 $ docker build -t api-students .
[+] Building 7.7s (10/10) FINISHED
 => [internal] load build definition from Dockerfile                          0.0s
 => => transferring dockerfile: 170B                                          0.0s
 => [internal] load .dockerignore                                            0.1s
 => => transferring context: 2B                                              0.0s
 => [internal] load metadata for docker.io/library/python:3-slim             0.3s
 => [1/5] FROM docker.io/library/python:3-slim@sha256:286f2f1d6f2f730a44108656afb04b131504b610a6c   2.2s
 => => resolve docker.io/library/python:3-slim@sha256:286f2f1d6f2f730a44108656afb04b131504b610a6c   0.0s
 => => sha256:cd6e574ff6ad2ac75184ad90e4e374842cfc36ae21bc2f773531ac65f6939991 1.37kB / 1.37kB     0.0s
 => => sha256:d74a102e9001931b516fc86406897b35f4bccc611c2d3b0f72d7302f89047666 6.90kB / 6.90kB     0.0s
 => => sha256:9e79879be9c7cd8edaba21c88fa4be66ea65e7a3f56f98e7820bcb7dedac3b00 1.08MB / 1.08MB     0.1s
 => => sha256:5dd57ff8d4118e3a008cef44993c75ef683711925dc9866290a8064ce5a9e86b 11.94MB / 11.94MB   0.5s
 => => sha256:50349b1ecdebde63cb306d20e04683503f2e038ce6109bb5ba28e6031dc2bcbd 243B / 243B         0.1s
 => => sha256:286f2f1d6f2f730a44108656afb04b131504b610a6cb2f3413918e98dabba67e 1.65kB / 1.65kB     0.0s
 => => extracting sha256:9e79879be9c7cd8edaba21c88fa4be66ea65e7a3f56f98e7820bcb7dedac3b00          0.4s
 => => sha256:431f8d1d6c10e17de87aef2faab02ee80561cbecbbf341c61932173d6001e562 3.37MB / 3.37MB     0.2s
 => => extracting sha256:5dd57ff8d4118e3a008cef44993c75ef683711925dc9866290a8064ce5a9e86b          0.8s
 => => extracting sha256:50349b1ecdebde63cb306d20e04683503f2e038ce6109bb5ba28e6031dc2bcbd          0.0s
 => => extracting sha256:431f8d1d6c10e17de87aef2faab02ee80561cbecbbf341c61932173d6001e562          0.5s
 => [internal] load build context                                            0.0s
 => => transferring context: 3.38kB                                          0.0s
 => [2/5] WORKDIR /programas/api-students                                    0.1s
 => [3/5] RUN pip3 install flask                                             3.6s
 => [4/5] COPY . .                                                           0.1s
 => [5/5] RUN python3 db.py                                                  0.5s
 => exporting to image                                                       0.6s
 => => exporting layers                                                      0.6s
 => => writing image sha256:f57b12226b80813aea3e55ca9d44349915667a276a40435e759f2bd45673abf0       0.0s
 => => naming to docker.io/library/api-students                              0.0s
:~/api01 $ docker images
REPOSITORY       TAG        IMAGE ID       CREATED          SIZE
api-students     latest     f57b12226b80   23 seconds ago   144MB
websimple        latest     a0e0261e1f77   26 minutes ago   145MB
:~/api01 $ docker run -p 8000:8000 api-stundents
Unable to find image 'api-stundents:latest' locally
docker: Error response from daemon: pull access denied for api-stundents, repository does not exist or m
ay require 'docker login': denied: requested access to the resource is denied.
See 'docker run --help'.
:~/api01 $ docker run -p 8000:8000 api-students
 * Serving Flask app 'app'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI s
erver instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:8000
 * Running on http://172.17.0.3:8000
Press CTRL+C to quit
```

Overview   POST http://3.95.217.175:80 ●   +   ⋯

http://3.95.217.175:8000/students

| POST ⌄ | http://3.95.217.175:8000/students |

Params   Authorization   Headers (8)   Body ●   Pre-request Script   Tests   Settings

Body   Cookies   Headers (5)   Test Results   🌐 Status: 200 OK

Pretty   Raw   Preview   Visualize   HTML ⌄   ⇄

```
1    Student with id: 1 created successfully
```

Overview   GET http://3.95.217.175:800 ●   +   ⋯

http://3.95.217.175:8000/students

| GET ⌄ | http://3.95.217.175:8000/students |

Params   Authorization   Headers (8)   Body ●   Pre-request Script   Tests   Settings

Body   Cookies   Headers (5)   Test Results   🌐 Status: 200 OK

Pretty   Raw   Preview   Visualize   JSON ⌄   ⇄

```
1    [
2        {
3            "age": "19",
4            "firstname": "Luis",
5            "gender": "Male",
6            "id": 1,
7            "lastname": "Mendez"
8        }
9    ]
```

⊗ Overview   PUT http://3.95.217.175:800 ●   +   ⋯

http://3.95.217.175:8000/student/1

PUT ∨	http://3.95.217.175:8000/student/1

Params Authorization Headers (8) **Body** ● Pre-request Script Tests Settings

○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary ○ GraphQL

Key	Value	Descr
☑ firstname	Fernando	
☑ lastname	Mendez	
☑ gender	Male	

Body Cookies Headers (5) Test Results   🌐 Status: 200 OK Tim

Pretty Raw Preview Visualize   JSON ∨   ⇥

```
1  {
2      "age": "19",
3      "firstname": "Fernando",
4      "gender": "Male",
5      "id": 1,
6      "lastname": "Mendez"
7  }
```

⊗ Overview   DEL http://3.95.217.175:800 ●   +   ⋯

http://3.95.217.175:8000/student/1

DELETE ∨	http://3.95.217.175:8000/student/1

Params Authorization Headers (8) **Body** ● Pre-request Script Tests Settings

○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary ○ GraphQL

Key	Value	Descr
☑ firstname	Fernando	
☑ lastname	Mendez	
☑ gender	Male	

Body Cookies Headers (5) Test Results   🌐 Status: 200 OK Tim

Pretty Raw Preview Visualize   HTML ∨   ⇥

```
1  The Student with id: 1 has been deleted.
```

```
                                            ¿ùÑk>E-ÙªeãY⌷À/À+À⌷ÀÀ⌷À       À⌷À" 400
-
134.209.244.156 - - [15/Apr/2023 20:34:46] "GET /api/islogged HTTP/1.1" 404 -
190.232.110.173 - - [15/Apr/2023 20:41:07] "PUT /students/1 HTTP/1.1" 404 -
190.232.110.173 - - [15/Apr/2023 20:41:27] "PUT /students/1 HTTP/1.1" 404 -
190.232.110.173 - - [15/Apr/2023 20:41:32] "PUT /students HTTP/1.1" 405 -
190.232.110.173 - - [15/Apr/2023 20:41:38] "GET /students HTTP/1.1" 200 -
190.232.110.173 - - [15/Apr/2023 20:42:24] "PUT /students/1 HTTP/1.1" 404 -
190.232.110.173 - - [15/Apr/2023 20:42:44] "PUT /student/1 HTTP/1.1" 400 -
190.232.110.173 - - [15/Apr/2023 20:42:53] "PUT /student/1 HTTP/1.1" 200 -
190.232.110.173 - - [15/Apr/2023 20:43:34] "DELETE /student/1 HTTP/1.1" 200 -
^C:~/api01 $ docker ps
CONTAINER ID    IMAGE        COMMAND            CREATED         STATUS          PORTS
                NAMES
e786e6c88495    websimple    "httpd-foreground"   50 minutes ago   Up 50 minutes   0.0.0.0:8080->80/tcp, :
::8080->80/tcp    gifted_pascal
:~/api01 $ docker stop e786e6c88495
e786e6c88495
:~/api01 $ docker ps
CONTAINER ID    IMAGE        COMMAND        CREATED     STATUS      PORTS       NAMES
:~/api01 $ _
```

```
:~/api01 $ docker ps -a
CONTAINER ID    IMAGE           COMMAND             CREATED         STATUS                      PORTS
   NAMES
ae67472ddf4e    api-students    "python3 ./app.py"  37 minutes ago  Exited (0) 13 minutes ago
   elegant_wing
e786e6c88495    websimple       "httpd-foreground"  58 minutes ago  Exited (0) 6 minutes ago
   gifted_pascal
:~/api01 $ docker exec -it ae67472ddf4e /bin/bash
Error response from daemon: Container ae67472ddf4e2bb8ff52f463c9d2c1a54ef3880983ed06ebfa7524b5cebef6df i
s not running
:~/api01 $ docker start ae67472ddf4e
ae67472ddf4e
:~/api01 $ docker ps
CONTAINER ID    IMAGE           COMMAND             CREATED         STATUS          PORTS
                    NAMES
ae67472ddf4e    api-students    "python3 ./app.py"  39 minutes ago  Up 38 seconds   0.0.0.0:8000->8000/t
cp, :::8000->8000/tcp    elegant_wing
:~/api01 $ docker exec -it ae67472ddf4e /bin/bash
root@ae67472ddf4e:/programas/api-students# id
uid=0(root) gid=0(root) groups=0(root)
root@ae67472ddf4e:/programas/api-students# pwd
/programas/api-students
root@ae67472ddf4e:/programas/api-students# ls -l
total 20
-rw-rw-r-- 1 root root  131 Apr 15 20:19 Dockerfile
-rw-rw-r-- 1 root root 2788 Apr 14 15:15 app.py
-rw-rw-r-- 1 root root  346 Apr 14 15:15 db.py
-rw-r--r-- 1 root root 8192 Apr 15 20:43 students.sqlite
root@ae67472ddf4e:/programas/api-students# exit
exit
:~/api01 $
```

ENG

4:03 PM
4/15/2023