

Padlet (Evaluación continua) - Semana 4 Taller 2

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Upload multi container app

The screenshot displays the WinSCP interface for a session titled 'compose - ubuntu@54.173.46.0 - WinSCP'. The left pane shows the local file system at 'C:\Users\LENOVO\' with various folders and files. The right pane shows the remote file system at '/home/ubuntu/compose/' with folders 'api-students', 'salient', 'websimple', and a file 'docker-compose.yml'. A detailed view of 'docker-compose.yml' is shown in a pop-up window.

Local File System (C:\Users\LENOVO\):

Name	Size	Type	Ch
..		Parent directory	4/1!
.aws		File folder	3/1!
.azure		File folder	3/1!
.docker		File folder	3/1!
.matplotlib		File folder	2/2!
.ssh		File folder	3/3!
.vscode		File folder	2/2!
api-students		File folder	4/1!
compose		File folder	4/1!
Contacts		File folder	2/4,
Desktop		System Folder	4/1!
Documents		System Folder	3/2,
Downloads		System Folder	4/2!
Favorites		File folder	2/4,
github-classroom		File folder	2/2!
homework		File folder	4/1!
Links		File folder	2/4,
Music		System Folder	2/4,
OneDrive		System Folder	2/4,
Pictures		System Folder	2/2!
Postman		File folder	3/8,
programs		File folder	4/1!
salient		File folder	4/1!
Saved Games		File folder	2/4,
Searches		File folder	2/4,
Videos		System Folder	2/2!
.bash_history	1 KB	BASH_HISTORY File	3/9,
.gitconfig	1 KB	Archivo de origen ...	2/2!
.node_repl_history	0 KB	NODE_REPL_HISTO...	3/8,

Remote File System (/home/ubuntu/compose/):

Name	Size	Changed	Rights	Ow
..		4/20/2023 9:41:55 PM	rw-r--r--	ubu
api-students		4/19/2023 7:31:14 PM	rw-r--r--	ubu
salient		4/19/2023 8:19:33 PM	rw-r--r--	ubu
websimple		4/19/2023 7:31:16 PM	rw-r--r--	ubu
docker-compose.yml	1 KB	4/19/2023 8:18:30 PM	rw-rw-r--	ubu

docker-compose.yml Content:

```
version: "3.3"

services:
  api-students:
    build: ./api-students
    image: luisfmendezl/api-students
    ports:
      - 8000:8000
  websimple:
    build: ./websimple
    image: luisfmendezl/websimple
    ports:
      - 8080:80
  webplantilla:
    build: ./salient
    image: luisfmendezl/webplantilla
    ports:
      - 8081:80
```

WinSCP status bar: 0 B of 10.0 KB in 0 of 33, 22 hidden, 238 B of 238 B in 1 of 4, SFTP-3, 0:05:35.

System tray: 73°F Mostly cloudy, Search, Taskbar icons.

```
OpenSSH SSH client
~/compose $ cat docker-compose.yml
version: "3.3"

services:
  api-students:
    build: ./api-students
    image: luisfmendezl/api-students
    ports:
      - 8000:8000
  websimple:
    build: ./websimple
    image: luisfmendezl/websimple
    ports:
      - 8080:80
  webplantilla:
    build: ./salient
    image: luisfmendezl/webplantilla
    ports:
      - 8081:80

~/compose $ docker-compose up -d
Recreating compose_api-students_1 ... done
Recreating compose_webplantilla_1 ... done
Recreating compose_websimple_1 ... done
~/compose $ docker images
REPOSITORY          TAG          IMAGE ID       CREATED        SIZE
compose_webplantilla latest       3e97aa581347   26 hours ago   149MB
compose_websimple    latest       d4d14eaf6d9c   26 hours ago   145MB
webplantilla         latest       67c0d1a7dfc3   4 days ago     149MB
luisfmendezl/webplantilla latest       67c0d1a7dfc3   4 days ago     149MB
api-students         latest       f57b12226b80   5 days ago     144MB
compose_api-students latest       f57b12226b80   5 days ago     144MB
luisfmendezl/api-students latest       f57b12226b80   5 days ago     144MB
websimple            latest       a0e0261e1f77   5 days ago     145MB
luisfmendezl/websimple latest       a0e0261e1f77   5 days ago     145MB

~/compose $ docker ps -a
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS
PORTS
1bbedecda65e   luisfmendezl/webplantilla           "httpd-foreground"      26 seconds ago Up 22 seconds
0.0.0.0:8081->80/tcp, :::8081->80/tcp   compose_webplantilla_1
474d3e310ae1   luisfmendezl/websimple              "httpd-foreground"      26 seconds ago Up 23 seconds
0.0.0.0:8080->80/tcp, :::8080->80/tcp   compose_websimple_1
d78b5cd3bce7   luisfmendezl/api-students           "python3 ./app.py"       26 seconds ago Up 23 seconds
0.0.0.0:8000->8000/tcp, :::8000->8000/tcp compose_api-students_1
ae67472ddf4e   api-students                        "python3 ./app.py"       5 days ago     Exited (137) 5 days ago
elegant_wing
e786e6c88495   websimple                          "httpd-foreground"      5 days ago     Exited (0) 5 days ago
gifted_pascal

~/compose $
Password:
```

```
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
~/compose $ docker-compose push
Pushing api-students (luisfmendezl/api-students:latest)...
The push refers to repository [docker.io/luisfmendezl/api-students]
f7fa0449234f: Layer already exists
5bc467efb774: Layer already exists
e27bf7e566fe: Layer already exists
93d903490ac5: Layer already exists
4872a1353eb2: Layer already exists
f75d3688b7f1: Layer already exists
b8b668a1238f: Layer already exists
42617acfa3ef: Layer already exists
ed7b0ef3bf5b: Layer already exists
latest: digest: sha256:a2c640f8328ba83ad5f5e8cd78668964971d36a6b1497062266e9a1dcf6f2bf6 size: 2204
Pushing websimple (luisfmendezl/websimple:latest)...
The push refers to repository [docker.io/luisfmendezl/websimple]
36f98f6d70c7: Layer already exists
355053d0995e: Layer already exists
e7bd853ca2e7: Layer already exists
~/compose $
568467bc0db5: Layer already exists
ed7b0ef3bf5b: Layer already exists
latest: digest: sha256:e981c503ae740ec85cef8760846461fbaf37985a623eb84ddfb5728b33b19749 size: 1574
Pushing webplantilla (luisfmendezl/webplantilla:latest)...
The push refers to repository [docker.io/luisfmendezl/webplantilla]
7242739a0654: Layer already exists
355053d0995e: Layer already exists
e7bd853ca2e7: Layer already exists
16f81c3ee33a: Layer already exists
568467bc0db5: Layer already exists
ed7b0ef3bf5b: Layer already exists
latest: digest: sha256:becb13fad21360c57ee19a3a9edb05499f99f13e5bcc30ba9856989e1039bc1e size: 1577
~/compose $ docker logout
Removing login credentials for https://index.docker.io/v1/
~/compose $ docker-compose down
Stopping compose_webplantilla_1 ... done
Stopping compose_websimple_1 ... done
Stopping compose_api-students_1 ... done
Removing compose_webplantilla_1 ... done
Removing compose_websimple_1 ... done
Removing compose_api-students_1 ... done
Removing network compose_default
~/compose $
```

73°F
Mostly cloudy

Search

Deployment in another virtual machine

```
Select OpenSSH SSH client

C:\Users\LENOVO>ssh -i labsuser.pem ubuntu@54.173.221.110
Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 5.4.0-1100-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:       https://ubuntu.com/advantage

System information as of Fri Apr 21 03:16:13 UTC 2023

System load:  0.08           Users logged in:           0
Usage of /:   63.7% of 9.51GB IP address for eth0:       172.31.81.229
Memory usage: 40%           IP address for docker0:    172.17.0.1
Swap usage:   1%            IP address for br-eb3ae4b61b13: 172.18.0.1
Processes:   109

* Ubuntu Pro delivers the most comprehensive open source security and
  compliance features.

  https://ubuntu.com/aws/pro

* Introducing Expanded Security Maintenance for Applications.
  Receive updates to over 25,000 software packages with your
  Ubuntu Pro subscription. Free for personal use.

  https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

4 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

10 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

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

Last login: Fri Apr 21 03:12:31 2023 from 190.232.110.173
:~ $ cd app-multi-conte
:~/app-multi-conte $ ls -l
total 4
-rw-rw-r-- 1 ubuntu ubuntu 239 Apr 21 03:03 docker-compose.yml
:~/app-multi-conte $ cat docker-compose.yml
version: "3.3"

:~/app-multi-conte $
api-students:
```



Select OpenSSH SSH client

```
Last login: Fri Apr 21 03:12:31 2023 from 190.232.110.173
:~ $ cd app-multi-conte
:~/app-multi-conte $ ls -l
total 4
-rw-rw-r-- 1 ubuntu ubuntu 239 Apr 21 03:03 docker-compose.yml
:~/app-multi-conte $ cat docker-compose.yml
version: "3.3"

:~/app-multi-conte $
  api-students:
    build: ./api-students
    ports:
      - 8000:8000
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    ports:
      - 8080:80
  webplantilla:
    build: ./salient
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:~/app-multi-conte $ pico docker-compose.yml
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version: "3.3"

services:
  api-students:
    image: luisfmendezl/api-students
    ports:
      - 8000:8000
  websimple:
    image: luisfmendezl/websimple
    ports:
      - 8080:80
  webplantilla:
    image: luisfmendezl/webplantilla
    ports:
      - 8081:80

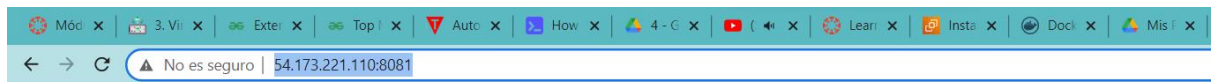
:~/app-multi-conte $ docker-compose up -d
Creating app-multi-conte_websimple_1 ... done
Creating app-multi-conte_webplantilla_1 ... done
Creating app-multi-conte_api-students_1 ... done
:~/app-multi-conte $
```

73°F
Cloudy



Search





Salient

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