

Desafío 12: Miriam Romitelli

DOCKERFILE:

Utilicé una aplicación funcional desarrollada por un tercero; es un código de una aplicación WEB que se expone en el puerto 80 y se puede usar apache para exponer el servicio.

Con el dockerfile listo comencé con el comando `docker build -t nombredelaimagen`. Para construir la imagen; en mi caso agrego de forma externa el archivo `httpd.conf` y la carpeta `template`; adicionalmente utilicé el volumen `/usr/local/apache2/conf` para almacenar la configuración:

```
mimi@mimi-Lenovo-V330-15IKB: /media/mimi/8eb6c74e-5e53-4277-8bb6-25324ed1ddb1/home/mromitelli/Documentos/curso Devops-KIWI 2023/BKP Docker_ Listos y prob
● ados/codigo4_class/codigo-4$ sudo docker build -t desafio12 .
[+] Building 2.0s (8/8) FINISHED                                docker:default
=> [internal] load build definition from dockerfile             0.0s
=> => transferring dockerfile: 181B                             0.0s
=> [internal] load metadata for docker.io/library/httpd:alpine3.18 1.9s
=> [internal] load .dockerignore                               0.0s
=> => transferring context: 2B                                    0.0s
=> [1/3] FROM docker.io/library/httpd:alpine3.18@sha256:b0fc22603ede0b405bbb5ed6d87acae61ebab28d2aca894488b2b0ad6d3edfab 0.0s
=> [internal] load build context                               0.0s
=> => transferring context: 3.41kB                               0.0s
=> CACHED [2/3] COPY ./template /usr/local/apache2/htdocs/     0.0s
=> CACHED [3/3] COPY httpd.conf /usr/local/apache2/conf/       0.0s
=> exporting image                                             0.0s
=> => exporting layers                                           0.0s
=> => writing image sha256:11daab0c412cfc1a36122b87f33d228e5af1cd832a90ca2d1366f83e3b896bde 0.0s
=> => naming to docker.io/library/desafio12                    0.0s
mimi@mimi-Lenovo-V330-15IKB: /media/mimi/8eb6c74e-5e53-4277-8bb6-25324ed1ddb1/home/mromitelli/Documentos/curso Devops-KIWI 2023/BKP Docker_ Listos y prob
● ados/codigo4_class/codigo-4$ sudo docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
test1         latest   6099a1fe503c   36 minutes ago  66.1MB
desafio12     latest   11daab0c412c   36 minutes ago  66.1MB
```

Generé el directorio con `sudo mkdir /home/mimi/dataconf`

Corrí el dockerfile con el comando: `sudo docker run -d -p 8081:80 --name servidor_web -v /home/mimi/dataconf:/usr/local/apache2/conf desafio12`

- v para crear un volumen para almacenar los archivos de configuración personalizados: Esto montará la carpeta `/home/mimi/dataconf` de mi sistema host en `/usr/local/apache2/conf` dentro del contenedor, permitiendo que Apache utilice los archivos de configuración personalizados que coloque en esa carpeta.

```
mimi@mimi-Lenovo-V330-15IKB: /media/mimi/8eb6c74e-5e53-4277-8bb6-25324ed1ddb1/home/mromitelli/Documentos/curso Devops-KIWI 2023/BKP Docker_ Listos y prob
● ados/codigo4_class/codigo-4$ sudo docker run -d -p 8081:80 --name servidor_web -v /home/mimi/dataconf:/usr/local/apache2/conf desafio12
313ad62a1295f384b157dcb31317a3f12336fe159677c96a60f21cc9a0af9943
mimi@mimi-Lenovo-V330-15IKB: /media/mimi/8eb6c74e-5e53-4277-8bb6-25324ed1ddb1/home/mromitelli/Documentos/curso Devops-KIWI 2023/BKP Docker_ Listos y prob
● ados/codigo4_class/codigo-4$ sudo docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS      PORTS      NAMES
313ad62a1295   desafio12 "httpd-foreground"      About a minute ago    Exited (1) About a minute ago          servidor_web
8e37217a3c5b   hello-world "/hello"                2 weeks ago         Exited (0) 2 weeks ago                 vigorous_kilby
```

Previamente con la cuenta creada en dockerhub ingreso:

```
mimi@mimi-Lenovo-V330-15IKB: /media/mimi/8eb6c74e-5e53-4277-8bb6-25324ed1ddb1/home/mromitelli/Documentos/curso Devops-KIWI 2023/BKP Docker_ Listos y prob
● ados/codigo4_class/codigo-4$ sudo docker login
Log in with your Docker ID or email address to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com/ to create one.
You can log in with your password or a Personal Access Token (PAT). Using a limited-scope PAT grants better security and is required for organizations using SSO. Learn more at https://docs.docker.com/go/access-tokens/

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

Login Succeeded
```

Y cargo la imagen a dockerhub:

```

mimi@mimi-Lenovo-V330-15IKB:/media/mimi/8eb6c74e-5e53-4277-8bb6-25324ed1ddb1/home/mromitelli/Documentos/curso Devops-KIWI 2023/BKP Docker_Listos y prob
• ados/codigo4_class/codigo-4$ sudo docker tag desafio12 romitelli/desafio12:v1
mimi@mimi-Lenovo-V330-15IKB:/media/mimi/8eb6c74e-5e53-4277-8bb6-25324ed1ddb1/home/mromitelli/Documentos/curso Devops-KIWI 2023/BKP Docker_Listos y prob
• ados/codigo4_class/codigo-4$ sudo docker push romitelli/desafio12:v1
The push refers to repository [docker.io/romitelli/desafio12]
c7dcb565e063: Pushed
d8ec3c3e658b: Pushed
949816b0d2ff: Mounted from library/httpd
60e69dcd606b: Mounted from library/httpd
ba94e97a750c: Mounted from library/httpd
9574a1e1dddf: Mounted from library/httpd
e5161a7a37c0: Mounted from library/httpd
9fe9a137fd00: Mounted from library/httpd
v1: digest: sha256:f4318388985cd0e6fad98ef21fa7cd9fbb9b14444f6293858464711bcd3fc00a size: 1991

```

Compruebo que se ha subido correctamente:

romitelli / desafio12

Security unknown
0
1
Public

Contains: Image
Last pushed: 1 minute ago

DOCKER COMPOSE:

Creo el archivo de docker compose (adjunto)

Comando /sudo docker-compose up/:

```

ados/codigo4_class/codigo-4$ sudo docker-compose up
Creating codigo-4 web_1 ... done
Attaching to codigo-4 web_1
web_1 | AH00558: httpd: Could not reliably determine the server's fully qualified domain name, using 172.18.0.2. Set the 'ServerName' directive globall
web_1 | AH00558: httpd: Could not reliably determine the server's fully qualified domain name, using 172.18.0.2. Set the 'ServerName' directive globall
web_1 | [Wed May 01 15:09:44.363786 2024] [mpm_event:notice] [pid 1:tid 139848942111560] AH00489: Apache/2.4.58 (Unix) configured -- resuming normal op
web_1 | [Wed May 01 15:09:44.363845 2024] [core:notice] [pid 1:tid 139848942111560] AH00094: Command line: 'httpd -D FOREGROUND'

```

```

mimi@mimi-Lenovo-V330-15IKB:/mnt$ sudo docker ps -a
[sudo] contraseña para mimi:
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS                               NAMES
96af39ae19fb   romitelli/desafio12:v1              "httpd-foreground"      About a minute Up About a minute   0.0.0.0:80->80/tcp, :::80->80/tcp   codigo-4_web_1

```

Vamos al navegador web localhost:80:

