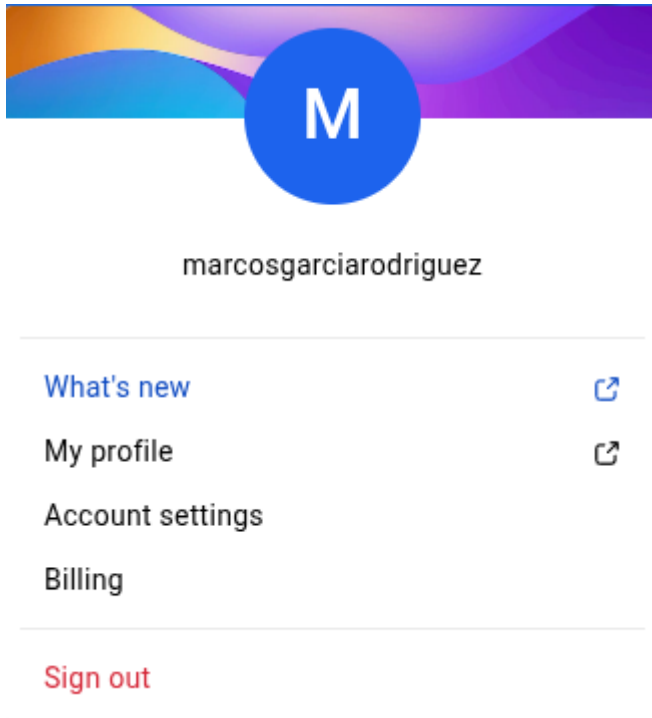


Creación de la cuenta



```
alumnado@lespsur:~$ docker run -it --name MarcosGarciaRodriguez -p 80:80 ubuntu:24.04 /bin/bash
root@754f9da9e769:/#
```

Actualizamos el contenedor con apt update y apt upgrade.

Posteriormente, instalamos el servicio apache con apt install apache2

Iniciamos el servicio apache.

```
root@754f9da9e769:/# service apache2 status
* apache2 is not running
root@754f9da9e769:/# service apache2 start
* Starting Apache httpd web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17
.0.2. Set the 'ServerName' directive globally to suppress this message
*
```

```
root@754f9da9e769:/# apt install vim
```

```
<body>
  <h1>Marcos Garcia Rodriguez </h1>
```

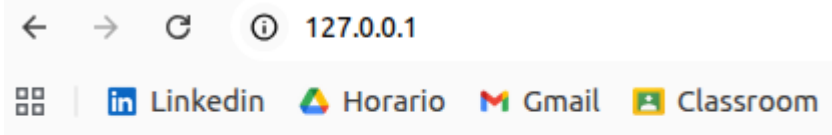
```
root@754f9da9e769:/# echo "<h1>Marcos Garcia Rodriguez</h1>" > /var/www/html/index.html
root@754f9da9e769:/# apt install net-tools
```

```
root@754f9da9e769:/# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.17.0.2 netmask 255.255.0.0 broadcast 172.17.255.255
    ether 5e:97:b3:91:da:6f txqueuelen 0 (Ethernet)
    RX packets 53607 bytes 81396221 (81.3 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 26517 bytes 2107906 (2.1 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Accedemos a la IP en el navegador.

Y como vemos aparece nuestro nombre como acabamos de agregar.



Marcos Garcia Rodriguez

```
alumnado@iespsur:~$ docker login

USING WEB-BASED LOGIN

Info → To sign in with credentials on the command line, use 'docker login -u <username>'

Your one-time device confirmation code is: QTBP-DQZF
Press ENTER to open your browser or submit your device code here: https://login.docker.com/activate
```



Device Confirmation

Please confirm this is the code displayed on your
Docker CLI:

QTBP-DQZF

If you did not initiate this action or you do not
recognize this device select cancel.

Cancel

Confirm

```
alumnado@iespsur:~$ docker login -u marcosgarciaRodriguez
Info → A Personal Access Token (PAT) can be used instead.
      To create a PAT, visit https://app.docker.com/settings

Password:

WARNING! Your credentials are stored unencrypted in '/home/alumnado/.docker/config.json'.
Configure a credential helper to remove this warning. See
https://docs.docker.com/go/credential-store/

Login Succeeded
```

Creamos la imagen con este comando

```
alumnado@iespsur:~$ docker commit MarcosGarciaRodriguez marcosgarciaRodriguez/contenedormarcos:1.0
sha256:13c39b6885c6b429c2511f0dece25d0af6dc6119bda622099891adb555af2a29
```

Creamos el tag y subimos la imagen

```
alumnado@iespsur:~$ docker tag contenedormarcos:1.0 marcosgarciaRodriguez/contenedormarcos:1.0
alumnado@iespsur:~$ docker push marcosgarciaRodriguez/contenedormarcos:1.0
The push refers to repository [docker.io/marcosgarciaRodriguez/contenedormarcos]
12ce437547a6: Pushing [=====>] 38.71MB/236.8MB
65b08cd99c60: Pushing [=====>] 31.86MB/78.12MB
```

Eliminamos el primer contenedor, para dejar únicamente la copia.

```
alumnado@iespsur:~$ docker rm MarcosGarciaRodriguez
MarcosGarciaRodriguez
```

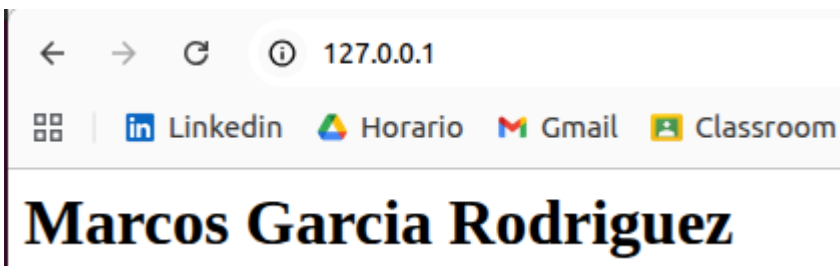
Iniciamos la web.

```
alumnado@iespsur:~$ docker start WebMarcos
WebMarcos
alumnado@iespsur:~$ docker exec -it WebMarcos bash
root@4c7b08c442dc:/# service apache2 status
* apache2 is not running
root@4c7b08c442dc:/# service apache2 start
* Starting Apache httpd web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.2. Set
the 'ServerName' directive globally to suppress this message
*
root@4c7b08c442dc:/# service apache2 status
* apache2 is running
root@4c7b08c442dc:/# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 172.17.0.2  netmask 255.255.0.0  broadcast 172.17.255.255
    ether 56:e6:3b:34:08:36  txqueuelen 0  (Ethernet)
    RX packets 45  bytes 5261 (5.2 KB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 11  bytes 534 (534.0 B)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
    inet 127.0.0.1  netmask 255.0.0.0
    inet6 ::1  prefixlen 128  scopeid 0x10<host>
    loop txqueuelen 1000  (Local Loopback)
    RX packets 0  bytes 0 (0.0 B)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 0  bytes 0 (0.0 B)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

root@4c7b08c442dc:/#
```

En el navegador, veremos la web. Esta estará alojada en el segundo contenedor que habíamos creado (ahora el único).



Creamos la instancia y añadimos la regla HTTP (De lo contrario saltará error).

Agregamos el par de claves y nos conectamos.

```
alumnado@lespsur:~/Descargas$ ssh -i "WebDocker2025.pem" ubuntu@ec2-98-84-123-240.compute-1.amazonaws.com
The authenticity of host 'ec2-98-84-123-240.compute-1.amazonaws.com (98.84.123.240)' can't be established.
ED25519 key fingerprint is SHA256:02Cab8wLlqq/hGRzqZLfw07ndEy30ZdzdDKP9enbcJw.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-98-84-123-240.compute-1.amazonaws.com' (ED25519) to the list of known hosts
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1011-aws x86_64)

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

System information as of Wed Oct  8 11:39:09 UTC 2025

System load:  0.24           Temperature:   -273.1 C
Usage of /:   25.6% of 6.71GB Processes:     115
Memory usage: 24%          Users logged in: 0
Swap usage:   0%           IPv4 address for ens5: 172.31.23.134

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
```

Actualizamos el sistema e instalamos docker (en la instancia).