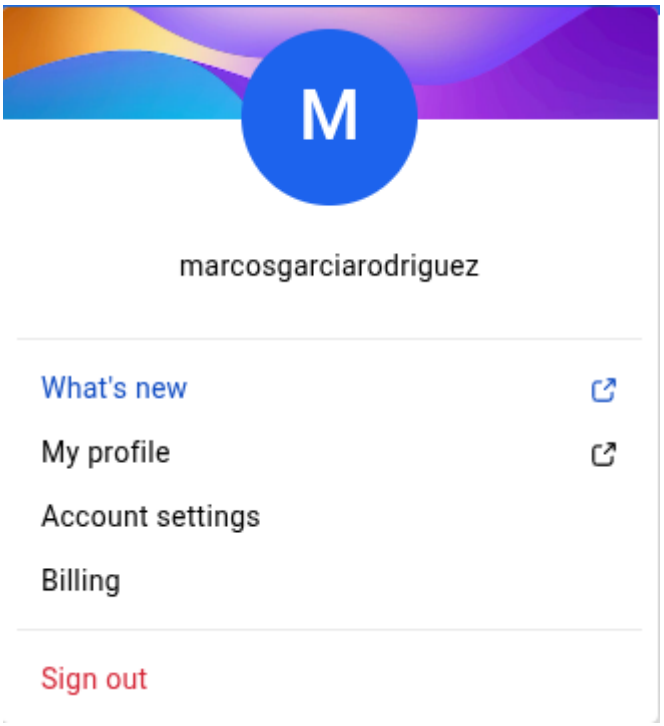
Creación de la cuenta




```
alumnado@iespsur:~$ 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
```

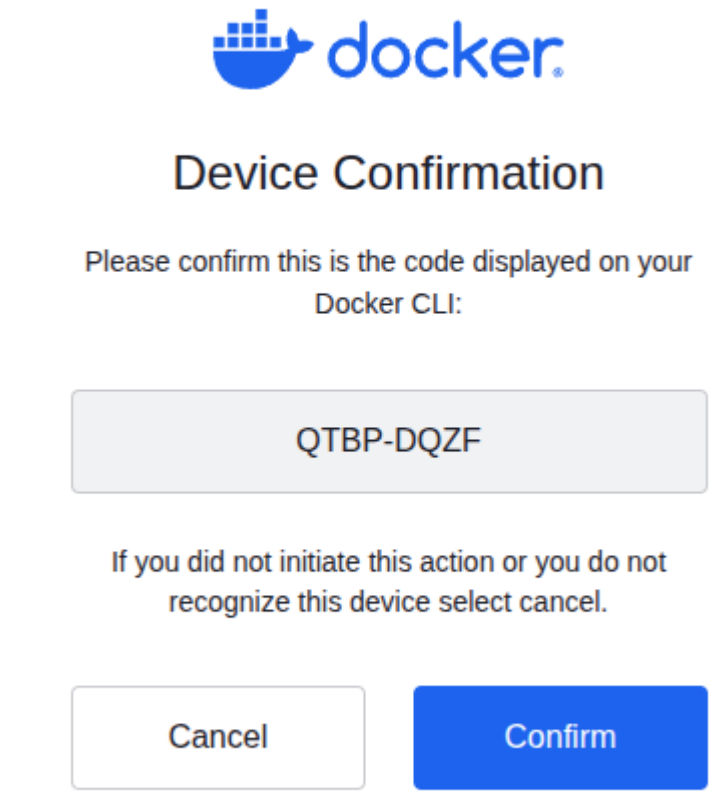
```
<body>
        <h1>Marcos Garcia Rodriguez </h1>
```

```
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.


```
alumnado@iespsur:~$ docker login

USING WEB-BASED LOGIN

i 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
```




```
alumnado@iespsur:~$ docker login -u marcosgarciarodriguez

i 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
```

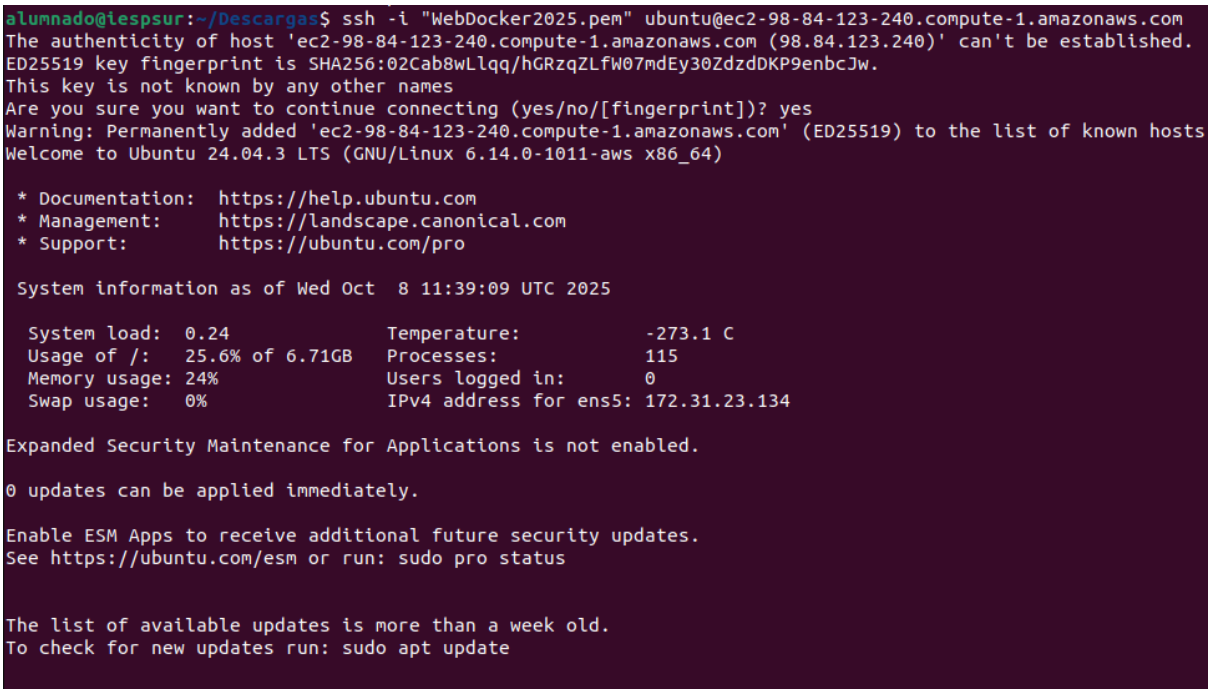
Iniciamos la web.

```
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.




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