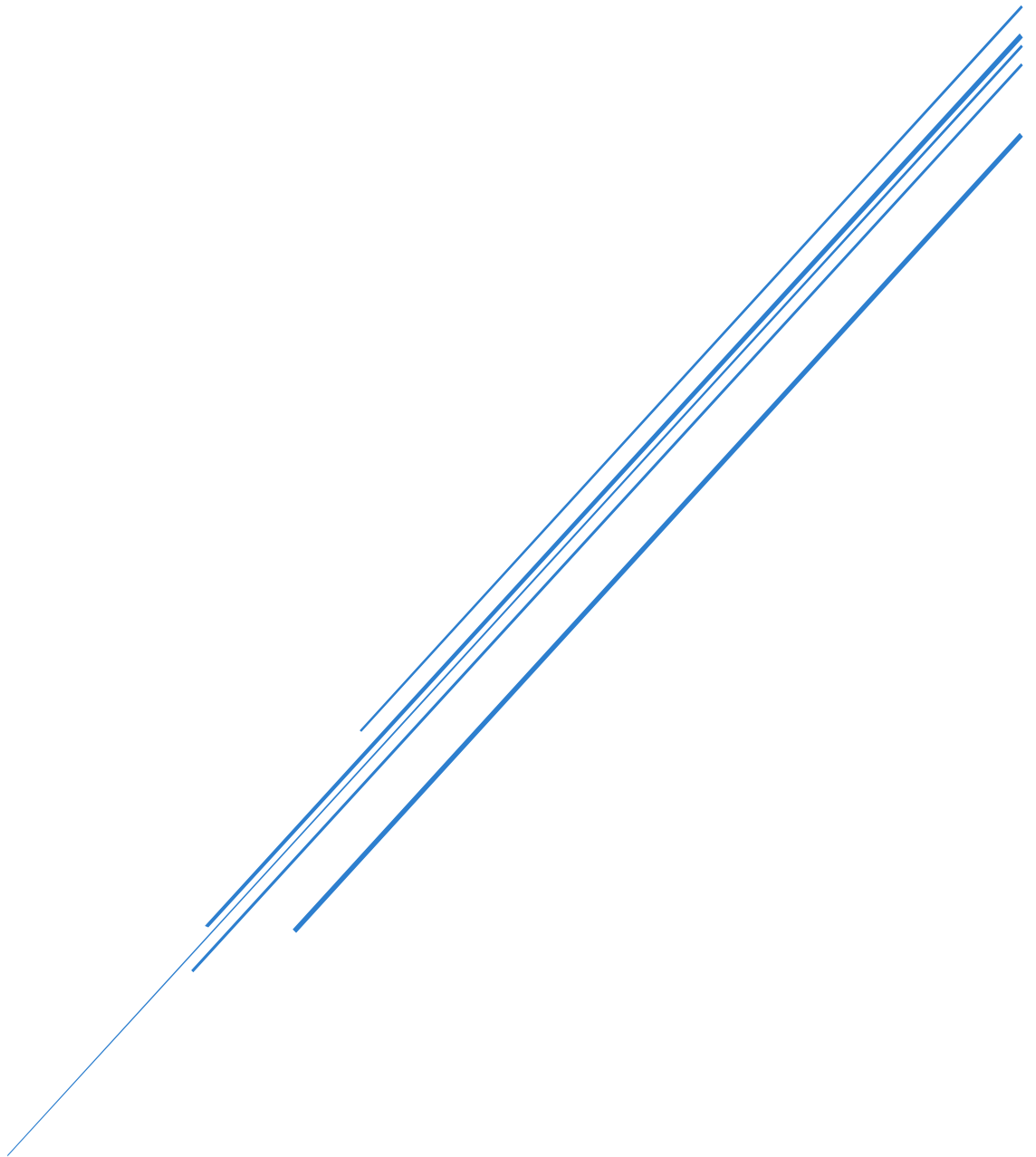


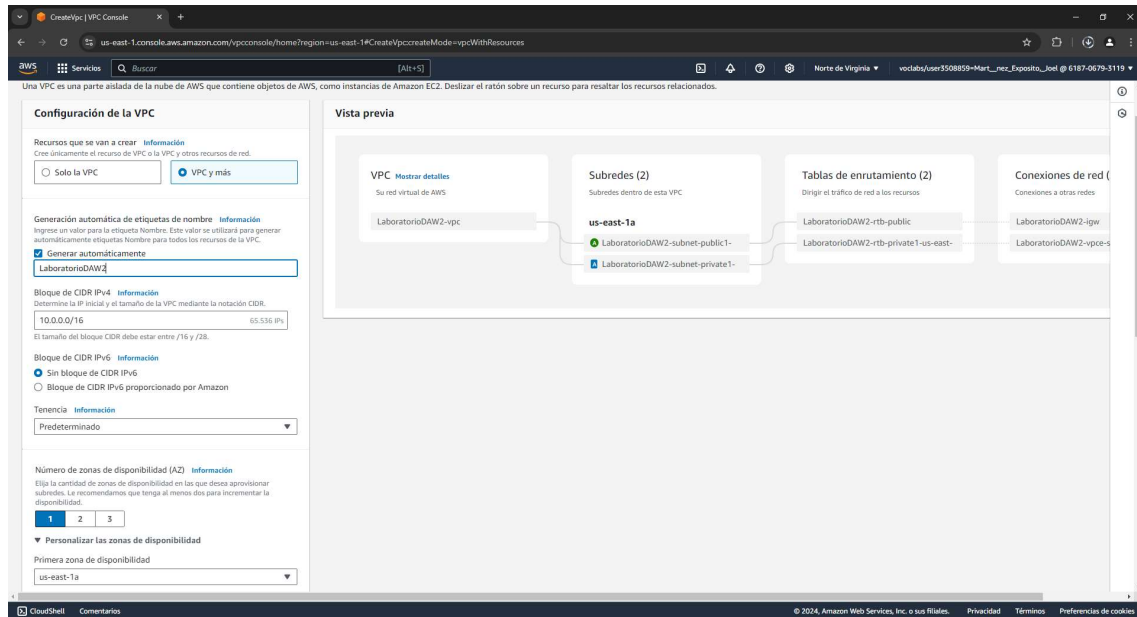
SERVIDOR WEB EN AWS



DAW2
Joel Martínez Expósito

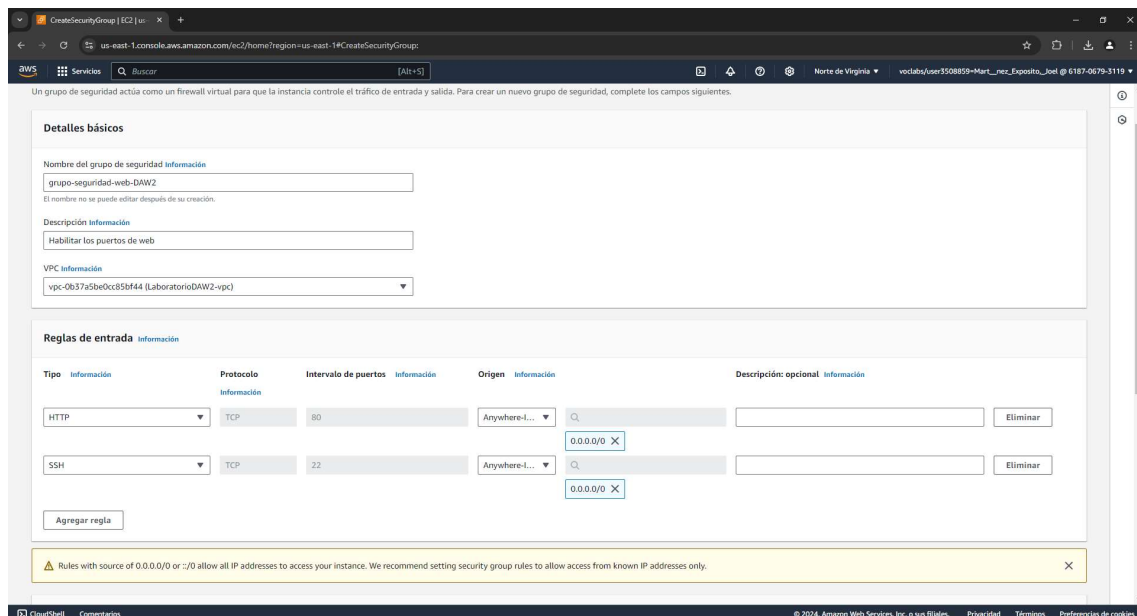
Crear una VPC

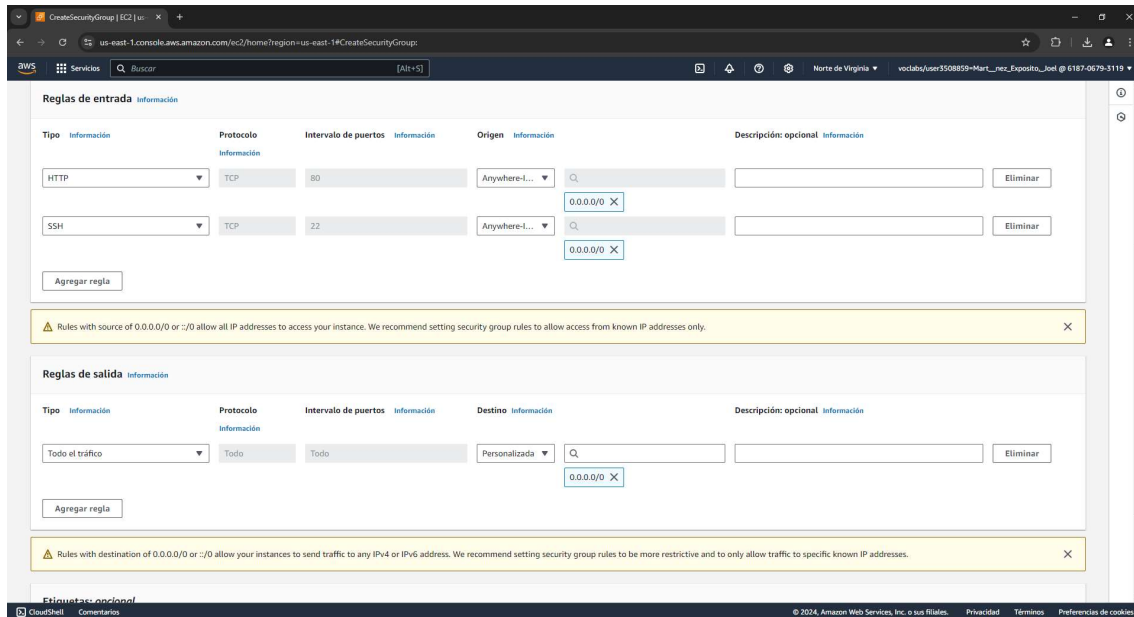
Para crear la VPC buscaremos VPC y comenzaremos con la configuración.



Crear grupo de seguridad.

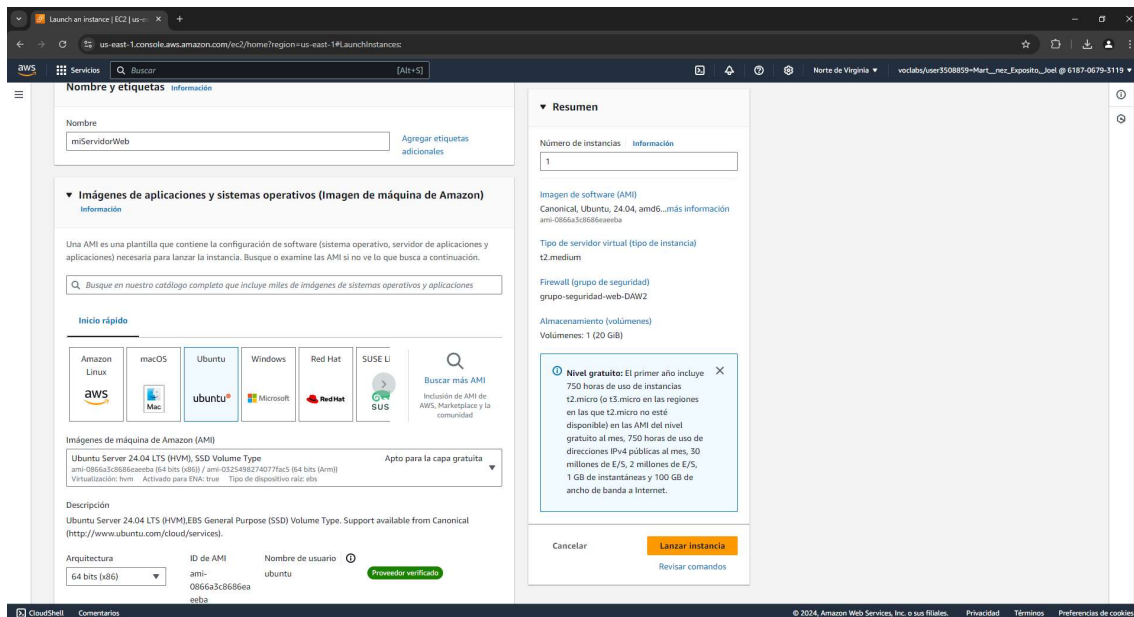
Una vez creada la VPC iremos a grupos de seguridad y crearemos uno en el que abriremos los puertos SSH y HTTP(22, 80).

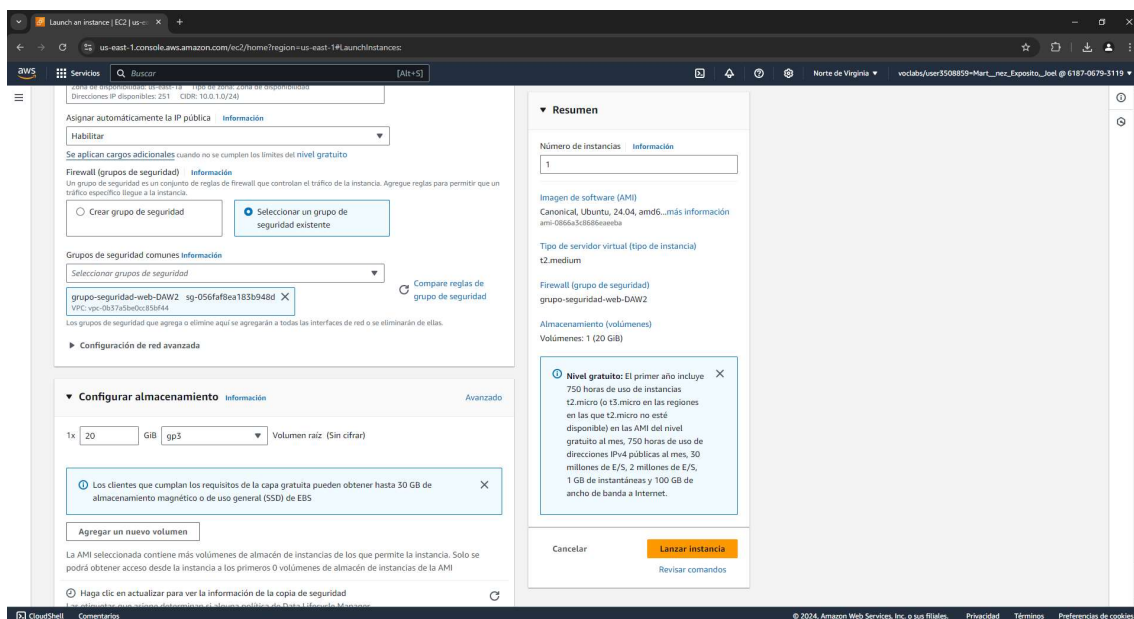
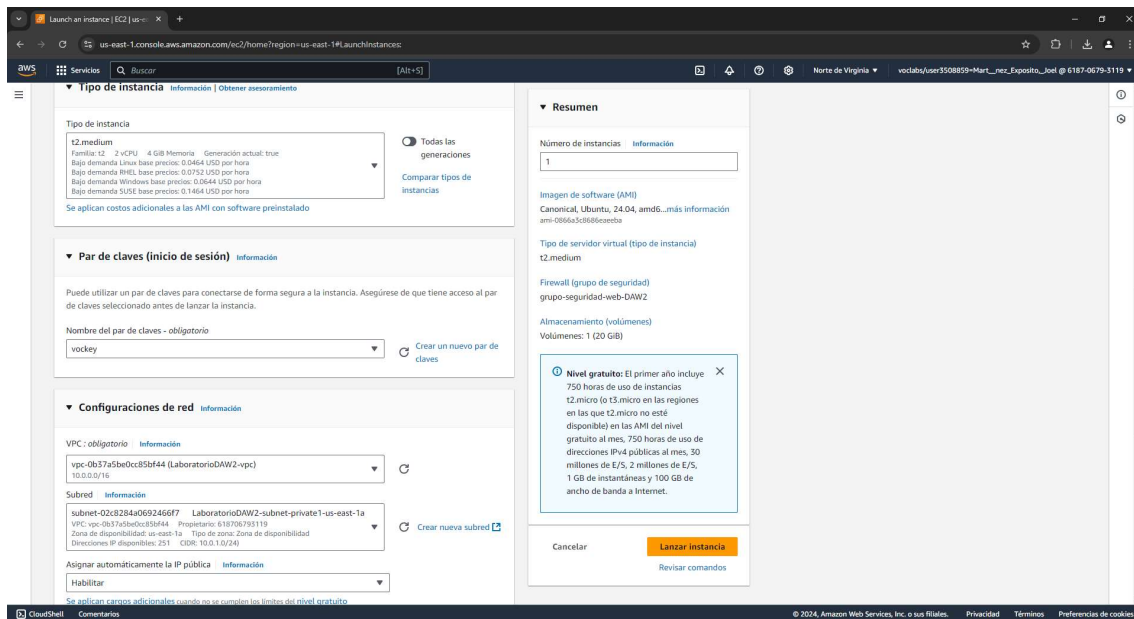




Crear la EC2.

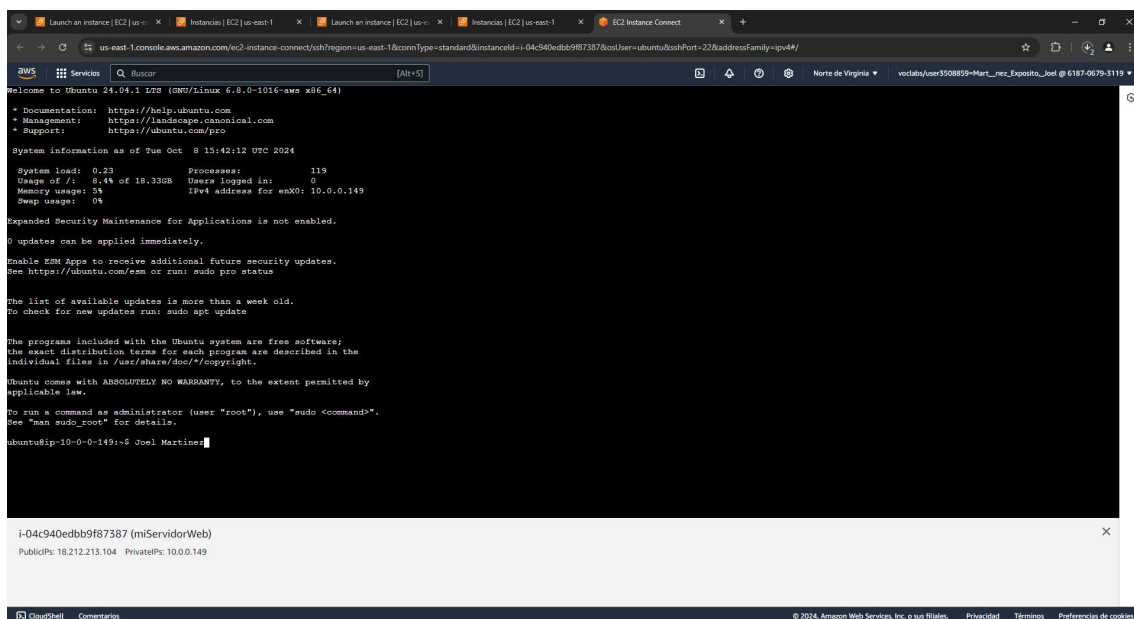
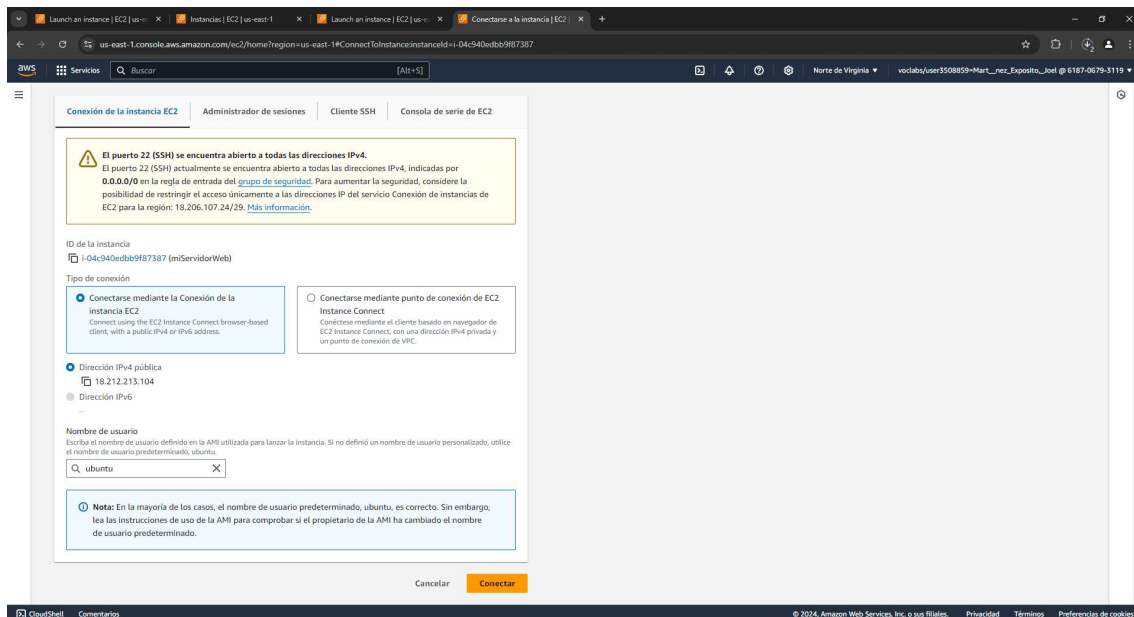
Una vez creado el grupo de seguridad crearemos la EC2 con Ubuntu Server 22.04 y 20 GB de almacenamiento.





Conectarse a la instancia.

Una vez creada la EC2 nos conectaremos a la instancia mediante Conexión de la Instancia EC2.



Conexión desde terminal.

Para conectarse a la instancia mediante ssh tendremos que quitarle todos los permisos del pem excepto de nuestro usuario y ya podremos conectarnos mediante ssh.

```
ubuntu@ip-10-0-0-149: ~
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

Prueba la nueva tecnología PowerShell multiplataforma https://aka.ms/pscore6

PS C:\Windows\system32> icacls "F:\DescargasF\labsuser (1).pem" /inheritance:r
archivo procesado: F:\DescargasF\labsuser (1).pem
Se procesaron correctamente 1 archivos; error al procesar 0 archivos
PS C:\Windows\system32> icacls "F:\DescargasF\labsuser (1).pem" /grant:r "$($env:USERNAME):(A)"
archivo procesado: F:\DescargasF\labsuser (1).pem
Se procesaron correctamente 1 archivos; error al procesar 0 archivos
PS C:\Windows\system32> ssh -i "F:\DescargasF\labsuser (1).pem" ubuntu@ec2-54-146-163-173.compute-1.amazonaws.com
The authenticity of host 'ec2-54-146-163-173.compute-1.amazonaws.com (54.146.163.173)' can't be established.
ED25519 key fingerprint is SHA256:diOMfYPvy1u/R63+gkROln3kkZg9drOWgAH/RLU3SCQ.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-146-163-173.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1016-aws x86_64)

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

System information as of Wed Oct  9 21:33:33 UTC 2024

System load:  0.1          Processes:      114
Usage of /:   8.8% of 18.3GB Users logged in:  0
Memory usage: 6%          IPv4 address for enX0: 10.0.0.149
Swap usage:  0%

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

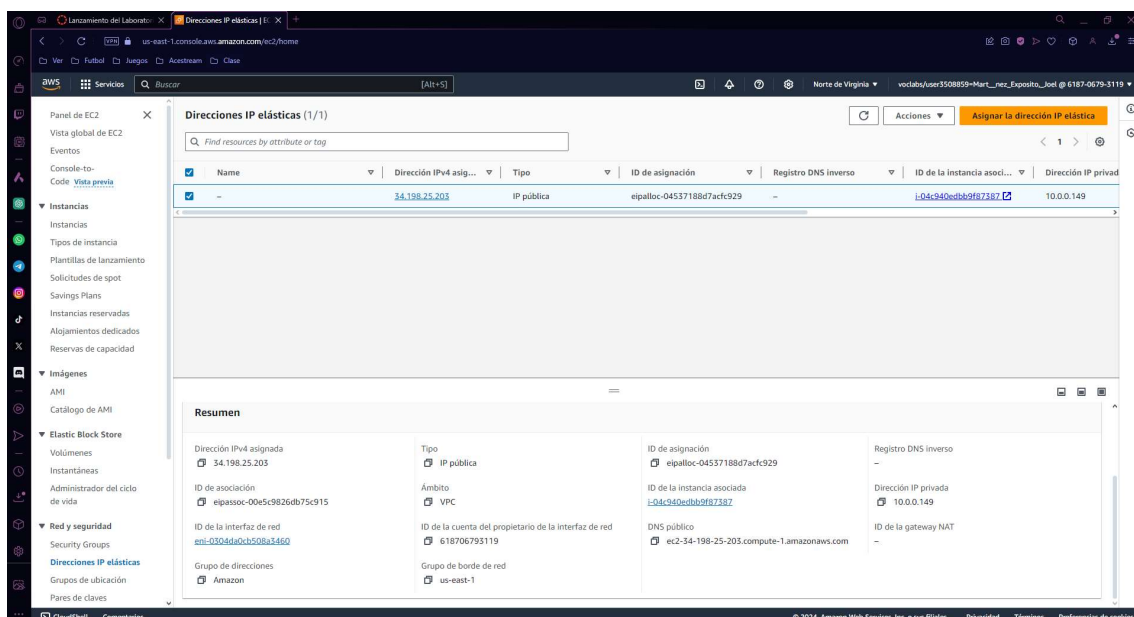
The list of available updates is more than a week old.
To check for new updates run: sudo apt update

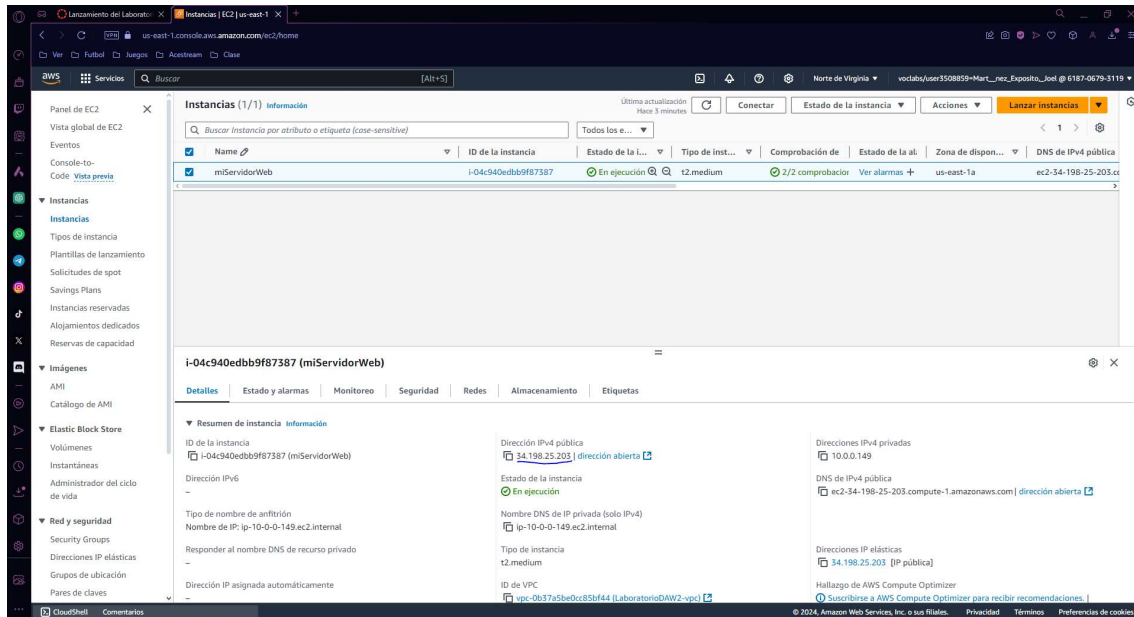
Last login: Tue Oct  8 15:42:13 2024 from 18.206.107.28
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-0-149: $
```

Crear IP elástica.

Para crear la IP elástica debemos ir a red y seguridad y crearla y asociarla a la instancia.





Crear servidor web

```
ubuntu@ip-10-0-0-149: /var/log/apache2/sites
$ sudo nano /etc/apache2/sites-available/empleados.es.conf
$ sudo a2ensite empleados.es.conf
Enabling site empleados.es.
To activate the new configuration, you need to run:
  systemctl reload apache2
$ sudo systemctl restart apache2
$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Wed 2024-10-09 22:07:17 UTC; 7s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 2405 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
    Main PID: 2409 (apache2)
       Tasks: 55 (limit: 4676)
      Memory: 5.3M (peak: 5.6M)
         CPU: 20ms
    CGroup: /system.slice/apache2.service
            └─2409 /usr/sbin/apache2 -k start
              2411 /usr/sbin/apache2 -k start
              2412 /usr/sbin/apache2 -k start

Oct 09 22:07:17 ip-10-0-0-149 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Oct 09 22:07:17 ip-10-0-0-149 systemd[1]: Started apache2.service - The Apache HTTP Server.
ubuntu@ip-10-0-0-149: ~$ sudo nano /etc/hosts
ubuntu@ip-10-0-0-149: ~$ sudo a2ensite 000-default.conf
Site 000-default already enabled
ubuntu@ip-10-0-0-149: ~$ sudo a2dissite 000-default.conf
Site 000-default disabled.
To activate the new configuration, you need to run:
  systemctl reload apache2
$ sudo systemctl restart apache2
$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Wed 2024-10-09 22:10:47 UTC; 3s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 2504 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
    Main PID: 2508 (apache2)
       Tasks: 55 (limit: 4676)
      Memory: 5.3M (peak: 5.5M)
         CPU: 20ms
    CGroup: /system.slice/apache2.service
            └─2508 /usr/sbin/apache2 -k start
              2510 /usr/sbin/apache2 -k start
              2511 /usr/sbin/apache2 -k start

Oct 09 22:10:47 ip-10-0-0-149 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Oct 09 22:10:47 ip-10-0-0-149 systemd[1]: Started apache2.service - The Apache HTTP Server.
ubuntu@ip-10-0-0-149: ~$
```



Desasociar IP elástica.

Acciones>Redes>Desasociar la IP elástica”

