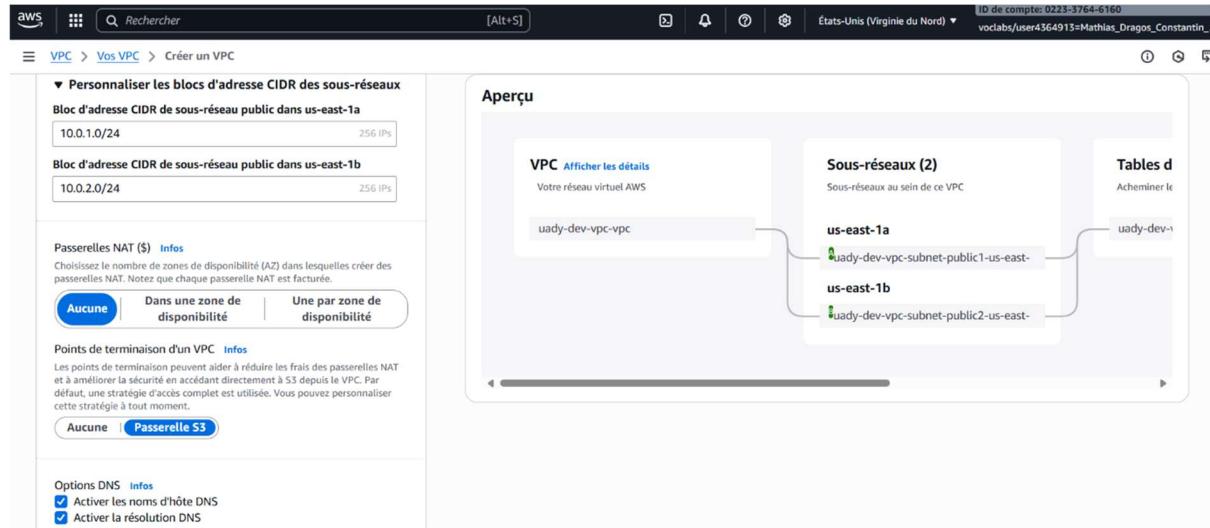


Crear una página web en EC2

Configuración del servidor

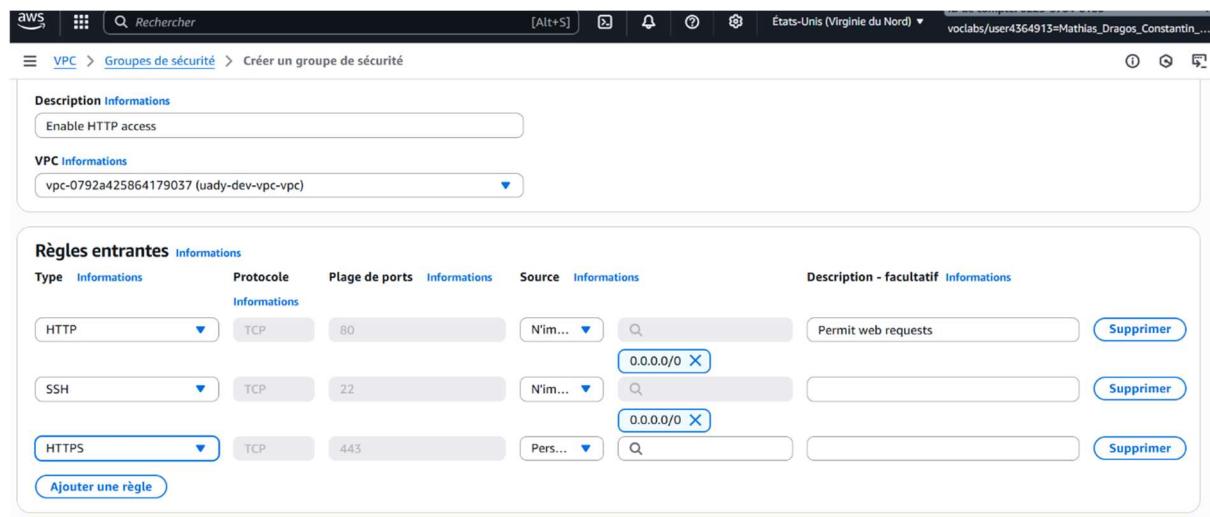
Seguimos las instrucciones para la configuración de nuestro servidor. Primero, creamos el vpc: queremos dos zonas de disponibilidades públicas.



The screenshot shows the AWS VPC creation wizard. On the left, configuration options for CIDR blocks and NAT gateways are set. On the right, the preview shows a VPC named "uady-dev-vpc-vpc" with two subnets: "us-east-1a" and "us-east-1b". Each subnet has a public IP range and is associated with a specific availability zone.

Configuración del grupo de seguridad

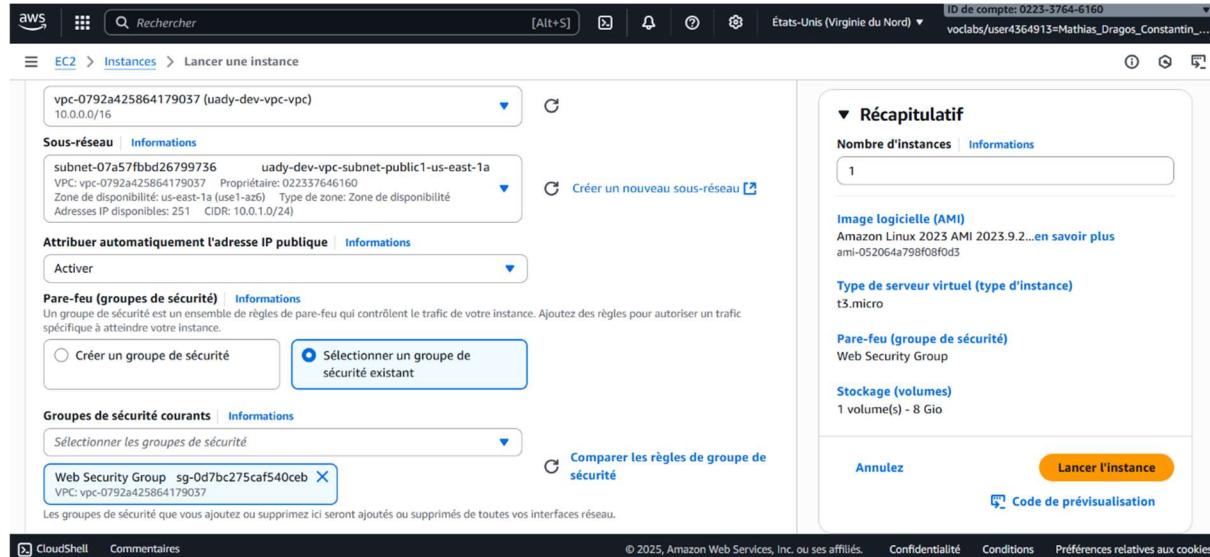
También queremos dejar los puertos 80 (HTTP), 22 (SSH) y 443 (HTTPS) abiertos a través de un grupo de seguridad.



The screenshot shows the AWS Security Group creation wizard. It includes fields for a description ("Enable HTTP access") and a VPC selection ("vpc-0792a425864179037 (uady-dev-vpc-vpc)"). The inbound rules section lists three rules: one for HTTP (port 80, TCP, 0.0.0.0/0, "Permit web requests"), one for SSH (port 22, TCP, 0.0.0.0/0, "Permit SSH access"), and one for HTTPS (port 443, TCP, 0.0.0.0/0, "Permit HTTPS access").

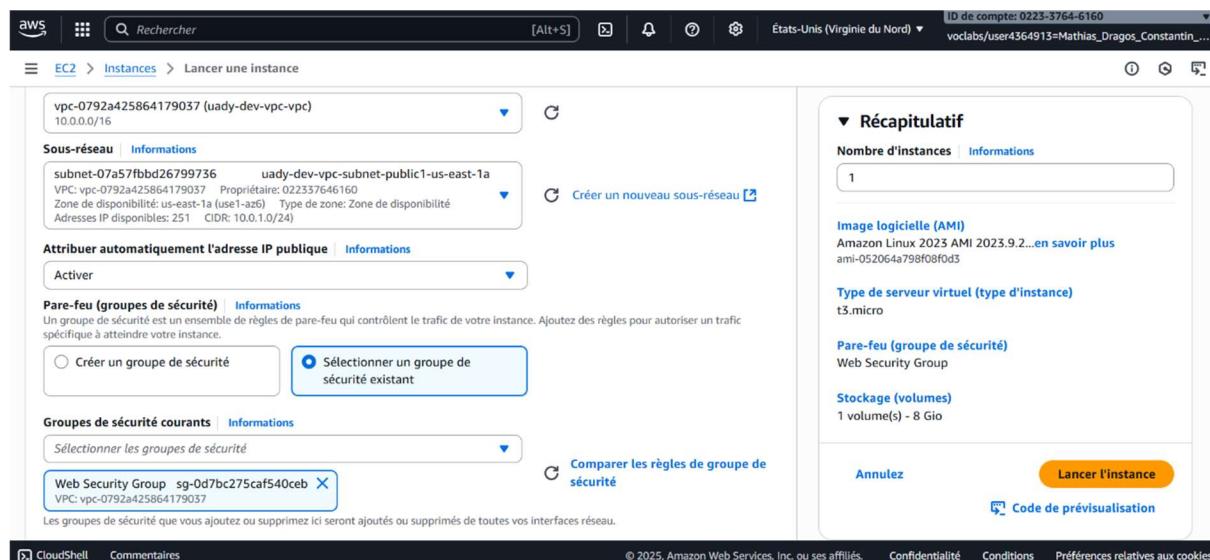
Configuracion de la instancia

Después podemos encender una instancia. Aquí, queremos un servidor t3.micro. Y adjuntamos el grupo de seguridad ya creado e incorporamos el script para iniciar el servidor web



The screenshot shows the AWS EC2 'Launch Instance' wizard. The configuration is as follows:

- Sous-réseau:** uady-dev-vpc-vpc (subnet-07a57fbdb26799736)
- Attribuer automatiquement l'adresse IP publique:** Active
- Paré-feu (groupes de sécurité):** Sélectionner un groupe de sécurité existant (Web Security Group sg-0d7bc275caf540ceb)
- Récapitulatif:**
 - Nombre d'instances: 1
 - Image logicielle (AMI): Amazon Linux 2023 AMI 2023.9.2... (ami-052064a798f08f0d3)
 - Type de serveur virtuel (type d'instance): t3.micro
 - Stockage (volumes): 1 volume(s) - 8 Gio
- Actions:** Annuler, Lancer l'Instance, Code de prévisualisation

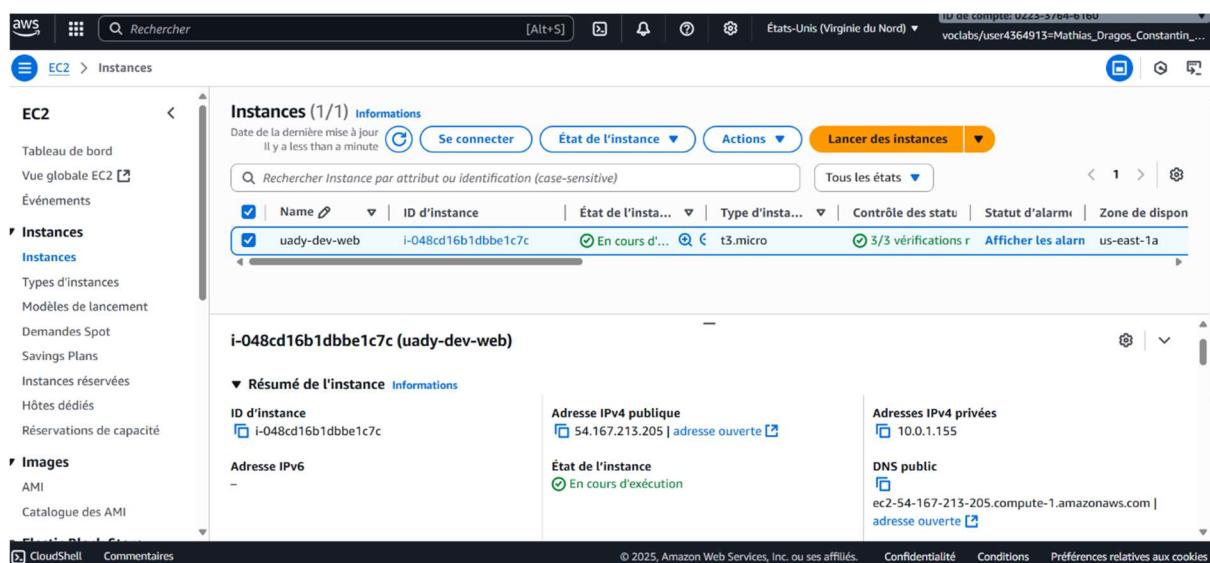


The screenshot shows the AWS EC2 'Launch Instance' wizard. The configuration is as follows:

- Sous-réseau:** uady-dev-vpc-vpc (subnet-07a57fbdb26799736)
- Attribuer automatiquement l'adresse IP publique:** Active
- Paré-feu (groupes de sécurité):** Sélectionner un groupe de sécurité existant (Web Security Group sg-0d7bc275caf540ceb)
- Récapitulatif:**
 - Nombre d'instances: 1
 - Image logicielle (AMI): Amazon Linux 2023 AMI 2023.9.2... (ami-052064a798f08f0d3)
 - Type de serveur virtuel (type d'instance): t3.micro
 - Stockage (volumes): 1 volume(s) - 8 Gio
- Actions:** Annuler, Lancer l'Instance, Code de prévisualisation

```
#!/bin/bash
# Install Apache Web Server and PHP
dnf install -y httpd wget php mariadb105-server nginx
# Download Lab files
wget https://aws-tc-largeobjects.s3.us-west-2.amazonaws.com/CUR-TF-100-ACCLFO-
2/2-lab2-vpc/s3/lab-app.zip
unzip lab-app.zip -d /var/www/html/
# Turn on web server
chkconfig httpd on
service httpd start
```

Vemos que el servidor tiene una dirección IPV4 pública y un DNS público.



The screenshot shows the AWS EC2 Instances page. The left sidebar is collapsed. The main area displays a table of instances. One instance is selected: **i-048cd16b1dbe1c7c (uady-dev-web)**. The instance details show its public IP as **54.167.213.205** and its DNS name as **ec2-54-167-213-205.compute-1.amazonaws.com**.

Iniciar el servidor y recuperar nuestra página web

Después, nos conectamos al servidor y copiamos la carpeta git que contiene nuestra página web y recuperamos el documento html:

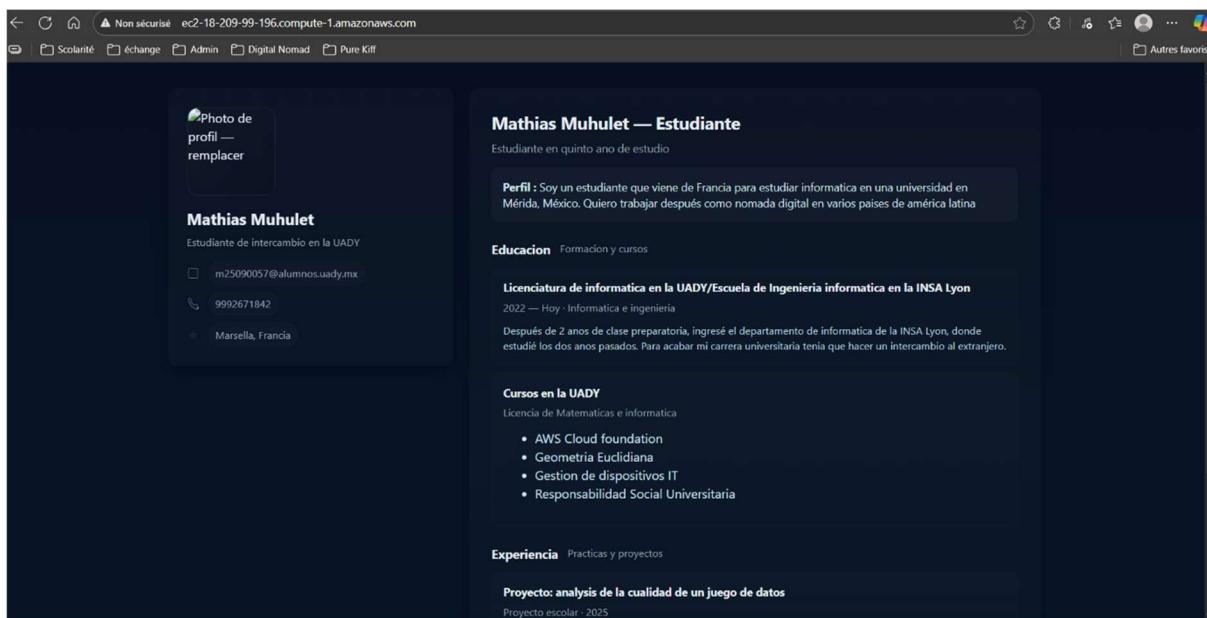
```
sudo git clone https://github.com/mathias-mhlt/AWS_UADY.git
sudo cp site_tmp/pantilla_web.html index.html
sudo rm -rf site_tmp
sudo chown nginx:nginx /usr/share/nginx/html/index.html
sudo systemctl restart nginx
```

```
'          #
~\_ ###
~~ \####\
~~ \|##|
~~  \#/
~~   V~' '-->
~~~ / \
~~~ . .
~~~ / \ /
~/m/ '
[ec2-user@ip-10-0-1-103 ~]$
```

i-03e6ee8634e081f01 (uady-web-server)

PublicIPs: 98.81.5.178 PrivateIPs: 10.0.1.103

Ahora, solo tenemos que conectarnos a nuestra página web con la dirección del servidor web.



The screenshot shows a web browser window with a dark theme. The address bar displays the URL `ec2-18-209-99-196.compute-1.amazonaws.com`. The main content is a user profile page for "Mathias Muhulet — Estudiante". The profile includes a placeholder for a profile photo, the name "Mathias Muhulet", and the title "Estudiante en quinto año de estudio". Below this, there is a "Perfil" section describing the user as a student from France studying informatics at UADY. The "Educación" section lists a degree in informatics from UADY and INSA Lyon, spanning from 2022 to the present. The "Cursos en la UADY" section lists several courses including AWS Cloud foundation, Geometria Euclidian, Gestion de dispositivos IT, and Responsabilidad Social Universitaria. The "Experiencia" section mentions a project titled "Proyecto: análisis de la calidad de un juego de dados" from 2025.

Podemos encontrar nuestra pagina web en el git publico desde este enlace:

https://github.com/mathias-mhlt/AWS_UADY.git