Evidencia

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1. Lanzamiento de la EC2

▼ Network settings   Info

VPC - required | Info

| vpc-00f479057476a2db8 (default) | ▼ |
| 172.31.0.0/16 | |

↻

Subnet | Info

subnet-0b2fbf6da06d9ba4b	▼
VPC: vpc-00f479057476a2db8 Owner: 654654478122 Availability Zone: us-east-1d (use1-az6)	
Zone type: Availability Zone IP addresses available: 4091 CIDR: 172.31.32.0/20	

↻   Create new subnet ↗

Auto-assign public IP | Info

Enable   ▼

Additional charges apply when outside of free tier allowance

Firewall (security groups) | Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

(●) Create security group   (○) Select existing security group

Security group name - required

sg-AlejandroMV

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+=&;{}!$*

Description - required | Info

laboratorio 5 de febrero

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 22, 181.58.39.194/32, Acceso SSH puerto 22 - Mi IP - Ale...)   [Remove]

Type | Info	**Protocol** | Info	**Port range** | Info
ssh ▼	TCP	22

Source type | Info	**Name** | Info	**Description - optional** | Info
My IP ▼	🔍 Add CIDR, prefix list or security group	Acceso SSH puerto 22 - Mi IP - AlejoMV

[Add security group rule]

▶ Advanced network configuration

Software Image (
Amazon Linux 202
ami-0532be01f26a3

Virtual server typ
t3.micro

Firewall (security
New security grou

Storage (volumes
1 volume(s) - 8 Gil

ⓘ **Free tier:** In
you get 75C
(or t3.micro
free tier AM
usage, 30 G
snapshots,
transfer cha
allowance.
account's fr

Cancel

▼ Configure storage   Info   Advanced

| 1x | 8 | GiB | gp3 ▼ | Root volume, 3000 IOPS, Not encrypted

> ⓘ Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage   ✕

[Add new volume]

🕐 **Click refresh to view backup information**   ↻
The tags that you assign determine whether the instance will be backed up by any Data Lifecycle
Manager policies.

0 x File systems   Edit

Select ▼

User data - *optional* | Info
Upload a file with your user data or enter it in the field.

⬆ **Choose file**

```
#!/bin/bash
yum update -y
yum install -y httpd
systemctl start httpd
systemctl enable httpd
echo "<h1>Hola desde mi primera EC2 en AWS ��</h1>
<p>Instancia creada usando <b>User Data</b></p>
<p>Fecha: $(date)</p>" > /var/www/html/index.html
```

☐ User data has already been base64 encoded

---

aws ⠿ Q Search [Alt+S] ⊘ | ▣ ⎙ ? ⚙ United States (N. Virginia) ▼ | Entrenamiento (654654478122) ▼ alemova.1603@gmail.com

☰ EC2 > Instances > i-0d5ff33b3888cd5de

EC2 <

Dashboard
EC2 Global View
Events

▼ **Instances**
Instances
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Lifecycle Manager

▼ **Network & Security**
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces

Instance summary for i-0d5ff33b3888cd5de (demo-ec2-costos-AlejandroMV) Info
Updated less than a minute ago

🔄 Connect | Instance state ▼ | Actions ▼

Instance ID
⎙ i-0d5ff33b3888cd5de

Public IPv4 address
⎙ 54.234.54.81 | open address ↗

Private IPv4 addresses
⎙ 172.31.47.42

IPv6 address
–

Instance state
⊘ Running

Public DNS
⎙ ec2-54-234-54-81.compute-1.amazonaws.com | open address ↗

Hostname type
IP name: ip-172-31-47-42.ec2.internal

Private IP DNS name (IPv4 only)
⎙ ip-172-31-47-42.ec2.internal

Answer private resource DNS name
–

Instance type
t3.micro

Elastic IP addresses
–

Auto-assigned IP address
⎙ 54.234.54.81 [Public IP]

VPC ID
⎙ vpc-00f479057476a2db8 ↗

AWS Compute Optimizer finding
⊗
User: arn:aws:iam::654654478122:user/students/alemova.1603@gmail.com is not authorized to perform: compute-optimizer:GetEnrollmentStatus on resource: * because no identity-based policy allows the compute-optimizer:GetEnrollmentStatus action
Retry

IAM role
–

Subnet ID
⎙ subnet-0b2fbf6da06d9ba4b ↗

Auto Scaling Group name
–

IMDSv2
Required

Instance ARN
⎙ arn:aws:ec2:us-east-1:654654478122:instance/i-0d5ff33b3888cd5de

Managed
false

Operator
–

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

▼ **Instance details** Info

AMI ID
⎙ ami-0532be01f26a3de55

Monitoring
disabled

Platform details
⎙ Linux/UNIX

AMI name
⎙ al2023-ami-2023.10.20260120.4-kernel-6.1-x86_64

Allowed image
-

Termination protection
Disabled

▣ CloudShell   Feedback   ⎙ Console Mobile App | © 2026, Amazon Web Services, Inc. or its affiliates. | Privacy | Terms | Cookie preferences

2. Nos conectamos mediante ssh usando las credenciales descargadas en el .pem


```
C:\Users\Alejandro Montoya V\Downloads>ssh -i "demo-ec2-key-AlejoMV.pem" ec2-user@ec2-54-234-54-81.compute-1.amazonaws.c
om
The authenticity of host 'ec2-54-234-54-81.compute-1.amazonaws.com (54.234.54.81)' can't be established.
ED25519 key fingerprint is SHA256:9q9ECJ6IMuAZ1ZQoD/XqDX1TnuwhryKg077pkzGz5Lw.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-234-54-81.compute-1.amazonaws.com' (ED25519) to the list of known hosts.

A newer release of "Amazon Linux" is available.
  Version 2023.10.20260202:
Run "/usr/bin/dnf check-release-update" for full release and version update info
       ,     #_
   ~\_  ####_         Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~         /
      ~~._.   _/
         _/ _/
       _/m/'
[ec2-user@ip-172-31-47-42 ~]$
```

3. Agregamos una regla de seguridad de entrada al protocolo http para todo el mundo 0.0.0.0

Hola desde mi primera EC2 en AWS 🚀

Instancia creada usando **AlejandroMV**

Fecha: Fri Feb 6 02:15:21 UTC 2026