

Sesión 7 - Amazon EC2

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▼ Name and tags [Info](#)

Key [Info](#) Value [Info](#) Resource types [Info](#)

Name demo-ec2-costos-angelgor

Select resource types ▾

Instances [X](#) Volumes [X](#)

Network Interfaces [X](#)

Hide all selected

[Add new tag](#)

You can add up to 49 more tags.

[Create instance](#)

Free tier eligible

Create key pair

Key pair name
Key pairs allow you to connect to your instance securely.
keypair-angelgonzalez

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type
 RSA RSA encrypted private and public key pair
 ED25519 ED25519 encrypted private and public key pair

Private key file format
 .pem For use with OpenSSH
 .ppk For use with PuTTY

⚠️ When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [Learn more ↗](#)

[Cancel](#) [Create key pair](#)

▼ Network settings [Info](#)

VPC - required [Info](#)

vpc-00f479057476a2db8 (default) [Edit](#)

Subnet [Info](#)

subnet-0b2fb6da06d9ba4b [Edit](#) Create new subnet ↗
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

Auto-assign public IP [Info](#)

Enable [Edit](#)

Additional charges apply when outside of [free tier allowance](#)

subnet-0b2fbf6da06d9ba4b

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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-angelgonzalez

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](#)
ssh-angelgonzalez

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 22, 181.59.3.163/32, ssh-linux-angel) Remove

Type	Protocol	Port range
ssh	TCP	22
Source type	Name	Description - optional
My IP	Add CIDR, prefix list or security group 181.59.3.163/32 X	ssh-linux-angel

[Add security group rule](#)

► Advanced network configuration

▼ Storage (volumes) | [Info](#) Simple

EBS Volumes [Hide details](#)

▼ Volume 1 (AMI Root) (Custom)

Storage type Info EBS	Device name - required Info /dev/xvda	Snapshot Info snap-09c6080e76e2ee4fc
Size (GiB) Info 8	Volume type Info gp3 Free tier eligible ▾	IOPS Info 3000
Delete on termination Info Yes	Encrypted Info Encrypted	KMS key Info Select
Throughput Info 125	Volume initialization rate - new, optional Info Enter a value Min: 100 MiB/s, Max: 300 MiB/s. Additional charges apply ↗	

[Add new volume](#)

✖ Failed to fetch policy coverage ↻

User data - optional | [Info](#)

Upload a file with your user data or enter it in the field.

[Choose file](#)

```
#!/bin/bash
dnf update -y
dnf 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

Instance summary for i-0d867c0ebb268160f (demo-ec2-costos-angelgonzalez) Info				
		Connect	Instance state	Actions
Updated 1 minute ago				
Instance ID	i-0d867c0ebb268160f	Public IPv4 address	54.230.69.188 open address	
IPv6 address	-	Instance state	Running	
Hostname type	IP name: ip-172-31-37-117.ec2.internal	Private IP DNS name (IPv4 only)	ip-172-31-37-117.ec2.internal	
Answer private resource DNS name	-	Instance type	t3.micro	
Auto-assigned IP address	34.230.69.188 [Public IP]	VPC ID	vpc-00f479057476a2db8	
IAM role	-	Subnet ID	subnet-0b2fbf6da06d9ba4b	
IMDSv2	Required	Instance ARN	arn:aws:ec2:us-east-1:654654478122:instance/i-0d867c0ebb268160f	
Operator	-	Managed	false	
Details Status and alarms Monitoring Security Networking Storage Tags				
Instance details				

```
[ec2-user@ip-172-31-37-117 html]$ uname -a
Linux ip-172-31-37-117.ec2.internal 6.1.159-182.297.amzn2023.x86_64 #1 SMP PR
EEMPT_DYNAMIC Mon Jan 12 11:34:58 UTC 2026 x86_64 x86_64 x86_64 GNU/Linux
[ec2-user@ip-172-31-37-117 html]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M     0  4.0M   0% /dev
tmpfs          459M     0  459M   0% /dev/shm
tmpfs          184M  440K 183M   1% /run
/dev/nvme0n1p1    8.0G  1.6G  6.4G  20% /
tmpfs          459M     0  459M   0% /tmp
/dev/nvme0n1p128   10M  1.3M  8.7M  13% /boot/efi
tmpfs          92M     0   92M   0% /run/user/1000
[ec2-user@ip-172-31-37-117 html]$ free -m
              total        used       free      shared  buff/cache   availa
ble
Mem:         916           191         369           0         356
Swap:            0           0           0
[ec2-user@ip-172-31-37-117 html]$
```

```
[ec2-user@ip-172-31-37-117 ~]$ sudo systemctl status httpd
● httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset:>)
  Active: active (running) since Fri 2026-02-06 01:43:42 UTC; 31min ago
    Docs: man:httpd.service(8)
 Main PID: 2842 (httpd)
   Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; By>
   Tasks: 177 (limit: 1067)
 Memory: 13.3M
      CPU: 2.074s
 CGroup: /system.slice/httpd.service
         └─2842 /usr/sbin/httpd -DFOREGROUND
              ├─3021 /usr/sbin/httpd -DFOREGROUND
              ├─3023 /usr/sbin/httpd -DFOREGROUND
              ├─3024 /usr/sbin/httpd -DFOREGROUND
              └─3025 /usr/sbin/httpd -DFOREGROUND

Feb 06 01:43:42 ip-172-31-37-117.ec2.internal systemd[1]: Starting httpd.ser>
Feb 06 01:43:42 ip-172-31-37-117.ec2.internal systemd[1]: Started httpd.serv>
Feb 06 01:43:42 ip-172-31-37-117.ec2.internal httpd[2842]: Server configured>
```

⌚ Inbound security group rules successfully modified on security group (sg-0beeba0f3c54c6bc0 | sgangonzalez)

▶ Details

sg-0beeba0f3c54c6bc0 - sgangonzalez

[Actions ▾](#)

Details		Inbound rules count		Outbound rules count	
Security group name	sgangonzalez	Security group ID	sg-0beeba0f3c54c6bc0	Description	ssh-anghelgonzalez
Owner	654654478122	Inbound rules count	2 Permission entries	Outbound rules count	1 Permission entry
VPC ID	vpc-00f479057476a2db8 ↗				

[Inbound rules](#) [Outbound rules](#) [Sharing](#) [VPC associations](#) [Related resources - new](#) [Tags](#)

Inbound rules (2)

Search		Manage tags						Edit inbound rules	
Name	Security group rule ID	IP version	Type	Protocol	Port range	Source	Description		
-	sgr-01fa558d588c32e10	IPv4	SSH	TCP	22	181.59.3.163/32	ssh-linux-angel		
-	sgr-00ad8a46fed7ee8b4	IPv4	HTTP	TCP	80	0.0.0.0/0	allow-public-http-Inbo		

