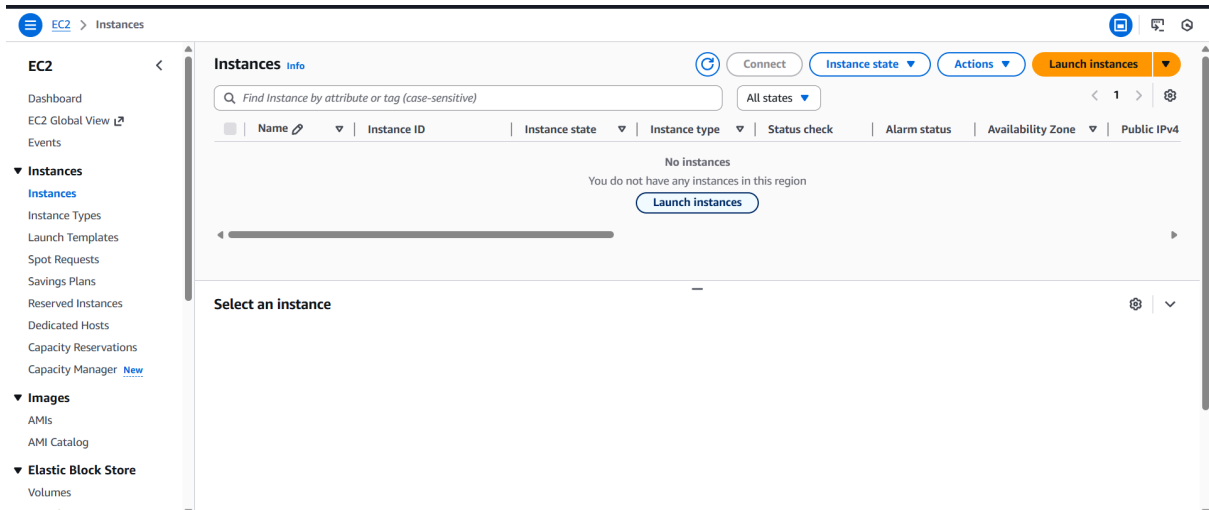
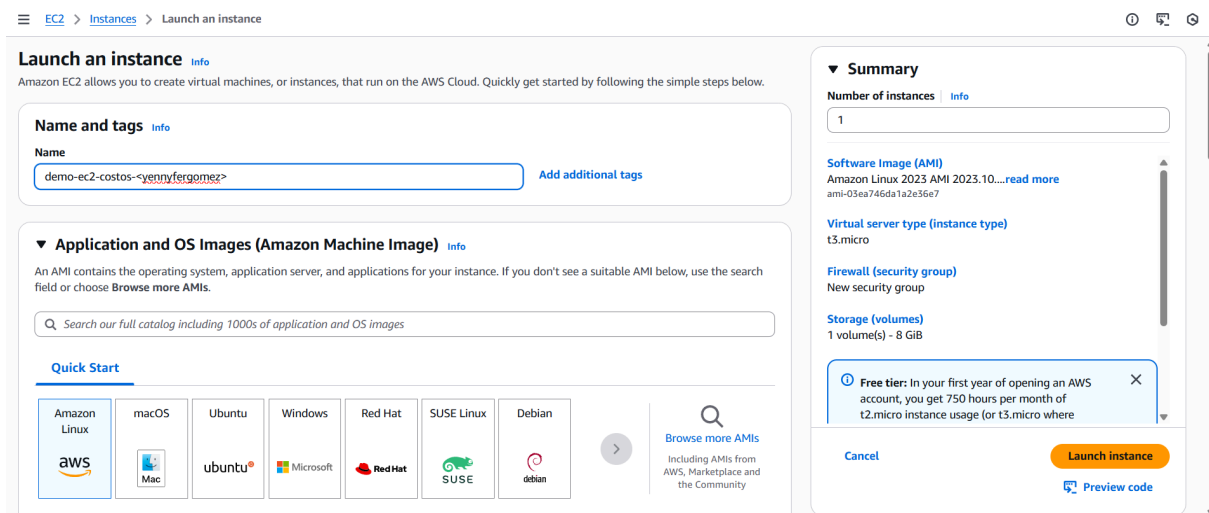


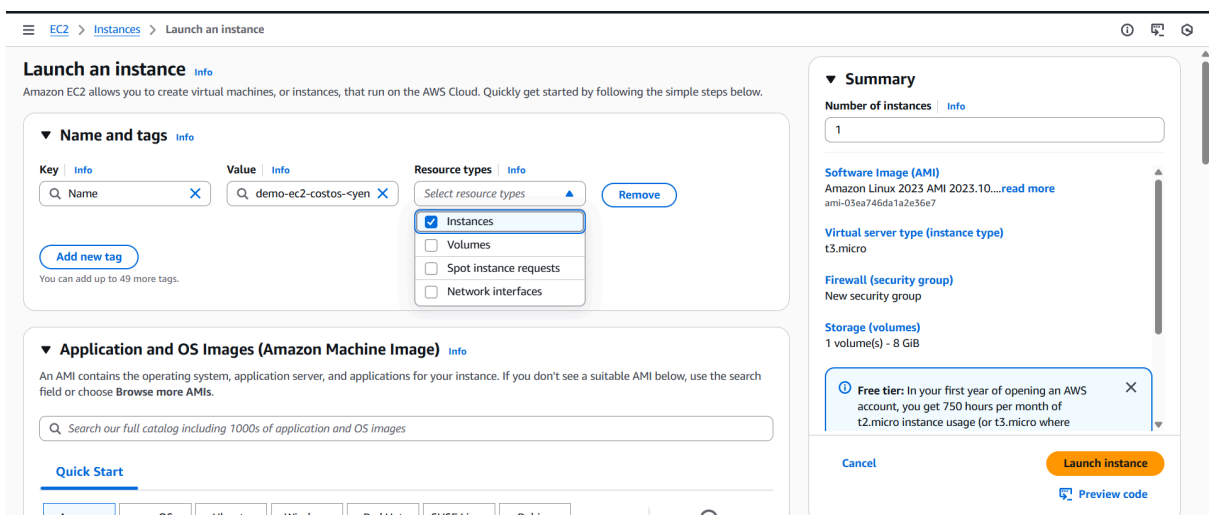
1. Creación de Instancia



escalamiento vertical y horizontal



2.



3. AMI: Amazon Linux 2023 (Free tier eligible)

Quick Start

Amazon Linux
aws

macOS
Mac

Ubuntu
ubuntu

Windows
Microsoft

Red Hat
Red Hat

SUSE Linux
SUSE

Debian
debian

[Browse more AMIs](#)
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 kernel-6.1 AMI
ami-03ea746da1a2e36e7 (64-bit (x86), uefi-preferred) / ami-0be5a830e851483f9 (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Description

Amazon Linux 2023 (kernel-6.1) is a modern, general purpose Linux-based OS that comes with 5 years of long term support. It is optimized for AWS and designed to provide a secure, stable and high-performance execution environment to develop and run your cloud applications.

Amazon Linux 2023 AMI 2023.10.20260120.4 x86_64 HVM kernel-6.1

Architecture	Boot mode	AMI ID	Publish Date	Username	
64-bit (x86)	uefi-preferred	ami-03ea746da1a2e36e7	2026-01-22	ec2-user	<div>Verified provider</div>

4. Tipo de instancia: t2.micro o t3.micro

▼ Instance type [Info](#) | [Get advice](#)

Instance type

t3.micro
Family: t3 2 vCPU 1 GiB Memory Current generation: true
On-Demand RHEL base pricing: 0.0392 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0139 USD per Hour
On-Demand Windows base pricing: 0.0196 USD per Hour
On-Demand SUSE base pricing: 0.0104 USD per Hour On-Demand Linux base pricing: 0.0104 USD per Hour

Free tier eligible

☐ All generations

[Compare instance types](#)

Additional costs apply for AMIs with pre-installed software

5. Key pair

EC2 > Instances > Launch an instance

▼ Instance type [Info](#) | [Get advice](#)

Instance type

t3.micro
Family: t3 2 vCPU 1 GiB Memory Current generation: true
On-Demand RHEL base pricing: 0.0392 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0139 USD per Hour
On-Demand Windows base pricing: 0.0196 USD per Hour
On-Demand SUSE base pricing: 0.0104 USD per Hour On-Demand Linux base pricing: 0.0104 USD per Hour

Additional costs apply for AMIs with pre-installed software

▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure

Key pair name - required

Select

▼ Network settings [Info](#)

Network [Info](#)

vpc-01eae211f56055ba2

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Create key pair

Key pair name
Key pairs allow you to connect to your instance securely.
Enter key pair name
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

6. Network & Security Group

▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

key-pair-yennyfergomez ▼

[Create new key pair](#)

▼ Network settings [Info](#)

VPC - *required* | [Info](#)

vpc-00f479057476a2db8 (default) ▼

172.31.0.0/16

Subnet | [Info](#)

subnet-0b2fbf6da06d9ba4b ▼ [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 ▼

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

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-yennyfergomez

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

7. Storage

▼ 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](#)

Not 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 ↗](#)

KMS keys are only applicable when encryption is set on this volume.

7.1 Advanced details → User data

```

Amazon Linux 2023
[ec2-user@ip-172-31-34-55 ~]$ curl -s https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-172-31-34-55 ~]$ sudo su
[root@ip-172-31-34-55 ec2-user]# yum update -y
Last metadata expiration check: 0:21:19 ago on Fri Feb 6 01:48:36 2026.
=====
*WARNING:
  A newer release of "Amazon Linux" is available.

Available Versions:

Version 2023.10.20260202:
  Run the following command to upgrade to 2023.10.20260202:

    dnf upgrade --releasever=2023.10.20260202

  Release notes:
    https://docs.aws.amazon.com/linux/al2023/release-notes/relnotes-2023.10.20260202.html
=====
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-34-55 ec2-user]# yum install -y httpd
Last metadata expiration check: 0:21:36 ago on Fri Feb 6 01:48:36 2026.
Package httpd-2.4.66-1.amzn2023.0.1.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-34-55 ec2-user]# systemctl start httpd
[root@ip-172-31-34-55 ec2-user]# systemctl start httpd
[root@ip-172-31-34-55 ec2-user]# systemctl enable httpd
[root@ip-172-31-34-55 ec2-user]# echo "<h1>Hola desde mi primera EC2 en AWS </h1><p>Instancia creada usando <b>User D
ata</b></p><p>Fecha: $(date)</p>" >/var/www/html/index.html
[root@ip-172-31-34-55 ec2-user]# systemctl restart httpd
[root@ip-172-31-34-55 ec2-user]# ^[[200~echo "<h1>Hola desde mi primera EC2 en AWS </h1><p>Instancia creada usando <b>
User Data</b></p><p>Fecha: $(date)</p>" >/var/www/html/index.html~
bash: '$\E[200~echo': command not found
[root@ip-172-31-34-55 ec2-user]# echo "<h1>Hola desde mi primera EC2 en AWS </h1><p>Instancia creada usando <b>User D
ata</b></p><p>Fecha: $(date)</p>" >/var/www/html/index.html
[root@ip-172-31-34-55 ec2-user]#

```

8. Launch

✔ Success
Successfully initiated launch of instance (i-03ed6b3d8f0341940)

► Launch log

Instance summary for i-03ed6b3d8f0341940 (demo-ec2-costos-<Yennyfergomez>) [Info](#)

[Connect](#)

[Instance state](#)

[Actions](#)

Updated less than a minute ago

Instance ID

[i-03ed6b3d8f0341940](#)

IPv6 address

-

Hostname type

IP name: ip-172-31-36-197.ec2.internal

Answer private resource DNS name

-

Auto-assigned IP address

[54.166.154.40](#) [Public IP]

Public IPv4 address

[54.166.154.40](#) | [open address](#)

Instance state

Running

Private IP DNS name (IPv4 only)

[ip-172-31-36-197.ec2.internal](#)

Instance type

t3.micro

VPC ID

[vpc-00f479057476a2db8](#)

Private IPv4 addresses

[172.31.36.197](#)

Public DNS

[ec2-54-166-154-40.compute-1.amazonaws.com](#) | [open address](#)

Elastic IP addresses

-

AWS Compute Optimizer finding

User: arn:aws:iam::654654478122:user/students/andreag3578@hotmail.com is not authorized to perform: compute-optimizer:GetEnrollmentStatus on resource: * because no identity-based policy allows the compute-optimizer:GetEnrollmentStatus action
[Retry](#)

8.1 Instance Connec

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

▼ Instance details [Info](#)

AMI ID

[ami-0532be01f26a3de55](#)

AMI name

[al2023-ami-2023.10.20260120.4-kernel-6.1-x86_64](#)

Stop protection

Disabled

Instance reboot migration

Default (On)

Stop-hibernate behavior

Disabled

State transition reason

-

State transition message

-

Owner

[654654478122](#)

Monitoring

disabled

Allowed image

-

Launch time

[Thu Feb 05 2026 20:43:48 GMT-0500](#) (hora estándar de Colombia) (1 minute)

Instance auto-recovery

Default

AMI Launch index

0

Credit specification

unlimited

Usage operation

[RunInstances](#)

Enclaves Support

Disabled

Platform details

[Linux/UNIX](#)

Termination protection

Disabled

AMI location

[amazon/al2023-ami-2023.10.20260120.4-kernel-6.1-x86_64](#)

Lifecycle

normal

Key pair assigned at launch

[key-pair-yennyfergomez](#)

Kernel ID

-


RAM disk ID

-

Boot mode

[uefi-preferred](#)

9.

Hola desde mi primera EC2 en AWS 

Instancia creada usando User Data

Fecha: 6 de febrero