



43°

Lab - AWS re/Start [Desafío] Ejercicio de Instancias de EC2



EC2



Tarea 01



Resolviendo el desafío Amazon EC2

A continuación, se muestra los objetivos del laboratorio:

- Configure una VPC.
- Coloque una instancia de Amazon Linux EC2 en esta VPC.
- Instale un servidor web, despliegue y ejecute una aplicación sencilla en él.

Empezamos con el lanzamiento de la instancia desde la consola de AWS

Name

lab-website

Add additional tags

▼ Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

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Browse more AMIs
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Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type
ami-0895022f3dac85884 (64-bit (x86)) / ami-09ebdd80c5c138f65 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible ▼

Description

Amazon Linux 2 Kernel 5.10 AMI 2.0.20240223.0 x86_64 HVM gp2

Architecture

64-bit (x86) ▼

AMI ID

ami-0895022f3dac85884

Verified provider



Tarea 01



Continuando con la configuración:

▼ Instance type

[Info](#) | [Get advice](#)

Instance type

t3.micro

Family: t3 2 vCPU 1 GiB Memory Current generation: true

On-Demand SUSE base pricing: 0.0104 USD per Hour

On-Demand Windows base pricing: 0.0196 USD per Hour

On-Demand RHEL base pricing: 0.0704 USD per Hour

On-Demand Linux base pricing: 0.0104 USD per Hour

All generations

Compare instance types

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 that you have access to the selected key pair before you launch the instance.

Key pair name - required

Proceed without a key pair (Not recommended)

Default value ▼

Create new key pair

Enable

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-lab-website

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](#)

http and ssh access

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0)

Remove

Type

[Info](#)

ssh

Protocol

[Info](#)

TCP

Port range

[Info](#)

22

Source type

[Info](#)

Anywhere

Source

[Info](#)

Add CIDR, prefix list or security

0.0.0.0/0 X

Description - optional

[Info](#)

e.g. SSH for admin desktop

▼ Security group rule 2 (TCP, 80, 0.0.0.0/0)

Remove

Type

[Info](#)

HTTP

Protocol

[Info](#)

TCP

Port range

[Info](#)

80

Source type

[Info](#)

Anywhere

Source

[Info](#)

Add CIDR, prefix list or security

Description - optional

[Info](#)

e.g. SSH for admin desktop

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

# Start the httpd service
service httpd start

# Set permissions to the web server's document root directory
chmod 2775 /var/www/html
chown -R apache:apache /var/www/html

# Enable httpd to start on boot
chkconfig httpd on
```

▼ Configure storage

[Info](#)

[Advanced](#)

1x 8 GiB gp2 Root volume (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

SWIPE

```
us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-west-2&connType=standard&instanceId=i-0ed6b268497e5c32c&osUser=ec2-user&sshPort=22#/  
AWS Services Search [Alt+S] Oregon voclabs/user2964161-Marvin_Ra__Arismendiz_Millones @ 8913-77...  
#####  
Amazon Linux 2  
#####  
AL2 End of Life is 2025-06-30.  
#####  
A newer version of Amazon Linux is available!  
#####  
Amazon Linux 2023, GA and supported until 2028-03-15.  
https://aws.amazon.com/linux/amazon-linux-2023/  
[ec2-user@ip-172-31-27-53 ~]$ cd /var/www/html  
[ec2-user@ip-172-31-27-53 html]$ ls  
[ec2-user@ip-172-31-27-53 html]$ sudo touch projects.html  
[ec2-user@ip-172-31-27-53 html]$ nano projects.html  
[ec2-user@ip-172-31-27-53 html]$ chmod 755 projects.html  
chmod: changing permissions of 'projects.html': Operation not permitted  
[ec2-user@ip-172-31-27-53 html]$ sudo chmod 777 projects.html  
[ec2-user@ip-172-31-27-53 html]$ nano projects.html  
[ec2-user@ip-172-31-27-53 html]$ cat projects.html  
<!DOCTYPE html>  
<html>  
<body>  
<h1>MarvinArismendiz re/Start Project Work</h1>  
<p>EC2 Instance Challenge Lab</p>  
</body>  
</html>  
[ec2-user@ip-172-31-27-53 html]$
```