

172- [JAWS] - Lab - [Reto]
Ejercicio de instancia EC2

Datos Generales:

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Después de completar este desafío, usted podrá ser capaz de hacer lo siguiente:

- Configurar una red virtual.
- Colocar una instancia de Amazon Linux EC2 en esta red virtual.
- Instalar un servidor web y desplegar y ejecutar una aplicación sencilla en él.

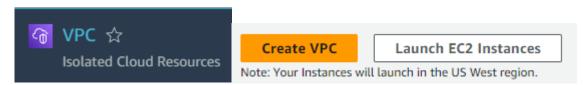
Desafió

En este desafío de laboratorio, aplicará lo que ha aprendido hasta ahora sobre Amazon EC2.

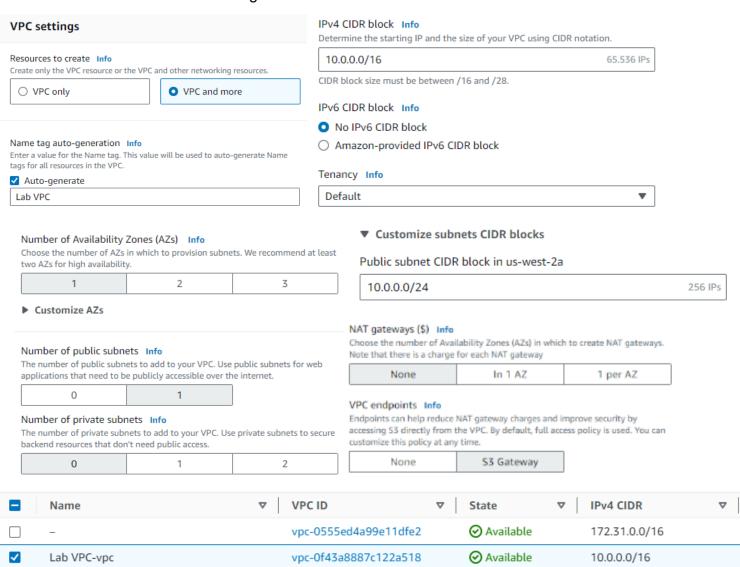
Seguirá algunos pasos de alto nivel para crear una aplicación web que se ejecute en una instancia EC2 de Amazon Linux.

Desafió 1.1 – Crear VPC para poder lanzar una Instancia EC2 Web Server.

Paso 1: AWS Management Console → Search → VPC → Create VPC



Paso 2: Create VPC → VPC Settings



Desafió 1.2 – Crear una instancia EC2 para ejecutar una aplicación web.

Paso 1: AWS Management Console → Search → EC2



Paso 2: EC2 → Launch Instance

Launch instance To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.		
Launch instance	•	Migrate a server 🔼

Paso 3: Launch Instance → Name and Tags

• Name = Web Server



Paso 4: Launch Instance → Choose an AMI

Seleccionar Amazon Linux 2



Amazon Machine Image (AMI)



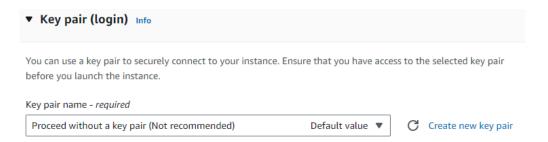
Paso 5: Launch Instance → Instance Type

Instance type → t3.micro



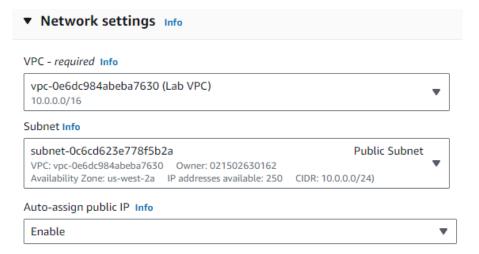
Paso 6: Launch Instance → Key Pair

Proceed without key pair (not recommended)

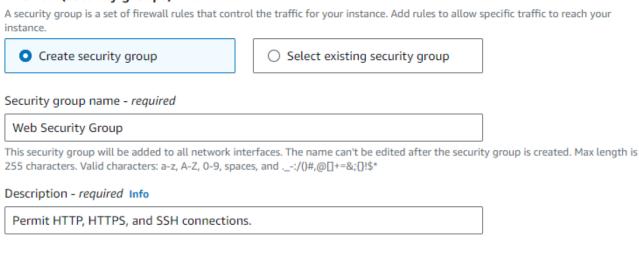


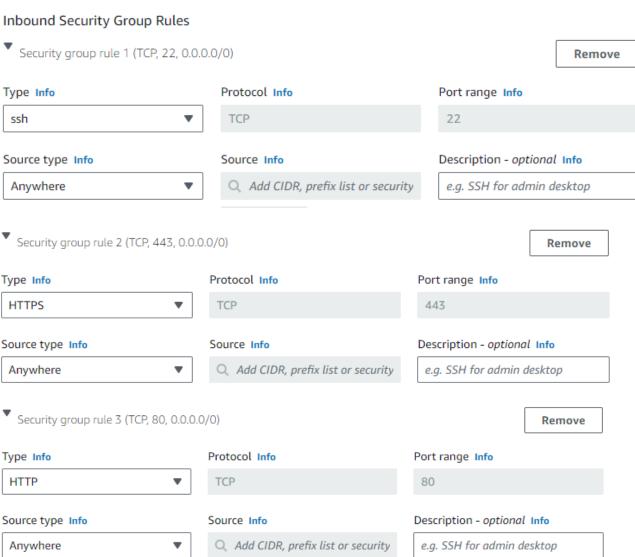
Paso 7: Launch Instance → Configure Network Settings

- VPC → Lab VPC
- Subnet → Default
- Seleccionar "Enable" para "Auto-assign Public IP"
- Security Groups → Create Security Group
- Security Group Name = Bastion Security Group
- Description = Permit HTTP, HTTPS, and SSH connections.



Firewall (security groups) Info





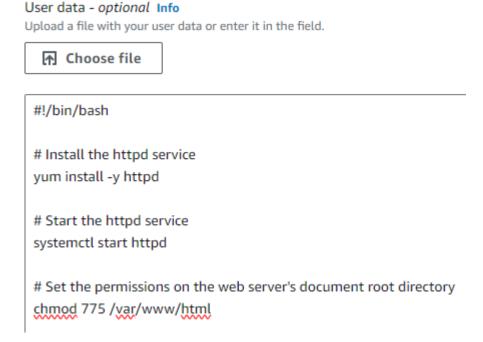
Paso 8: Launch Instance → Add storage

Configure Storage → Default

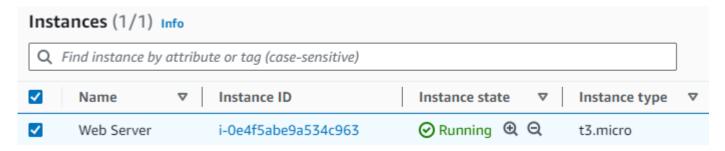


Paso 9: Launch Instance → Advanced Details

 User Data → instala e inicia el servicio httpd como tu servidor web. Conceder permisos de escritura a los usuarios en el directorio raíz de documentos del servidor web (/var/www/html).



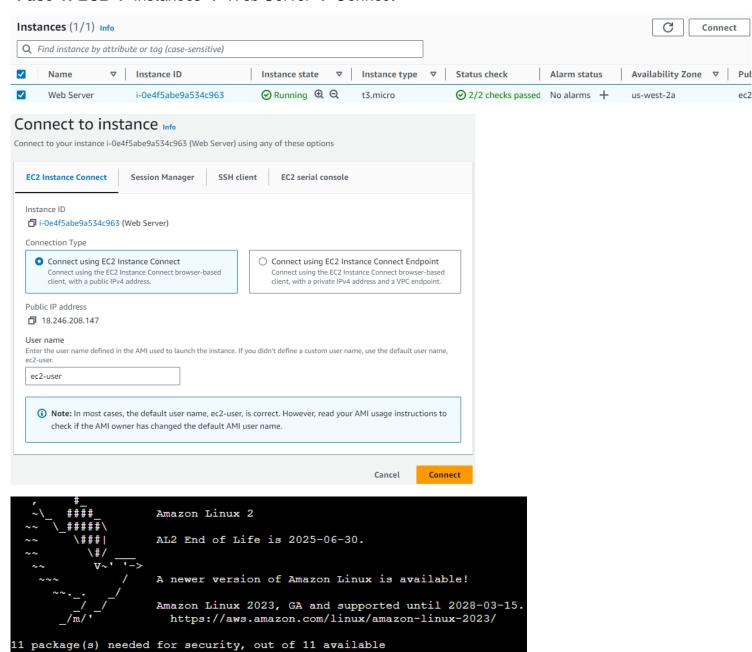
Paso 10: Launch Instance → Launch



Desafió 1.3 - Probar Web Server.

Run "sudo yum update" to apply all updates. [ec2-user@ip-10-0-9-66 ~]\$

Paso 1: EC2 → Instances → Web Server → Connect



Paso 2: Crear un archivo de texto con el comando touch.

```
[ec2-user@ip-10-0-9-66 ~]$ touch web.html
[ec2-user@ip-10-0-9-66 ~]$ ls
web.html
[ec2-user@ip-10-0-9-66 ~]$
```

Paso 3: Editar el documento de texto con nano y copiar el siguiente código HTML:

```
<!DOCTYPE html>
<html>
<body>
<h1>YOUR-NAME's re/Start Project Work</h1>
EC2 Instance Challenge Lab
</body>
</html>
```

```
GNU nano 2.9.8

<!DOCTYPE html>
<html>
<body>
<h1>TomasVC re/Start Project Work</h1>
EC2 Instance Challenge Lab
</body>
</html>
```

Paso 4: Mover archivo HTML al directorio var/www/html

```
[ec2-user@ip-10-0-9-66 ~]$ sudo mv web.html /var/www/html [ec2-user@ip-10-0-9-66 ~]$ ls /var/www/html web.html [ec2-user@ip-10-0-9-66 ~]$
```

Paso 5: Abrir un navegador web e ingresar el Public IPv4 Address de Web Server para acceder al sitio.

Public IPv4 address
☐ 18.246.208.147 | open address ☑



s used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.

a member of the general public:

at you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing ntenance.

1 like to let the administrators of this website know that you've seen this page instead of the page you expected, you d them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the person.

If you are the website administrator:

You may now add content to the directory /var/www/html/. I and not your content. To prevent this page from ever being

You are free to use the image below on web sites powered



e, if you experienced problems while visiting www.example.com, you should send e-mail to r@example.com".

Laboratorio Completado

