Sesión 8 - Conectividad

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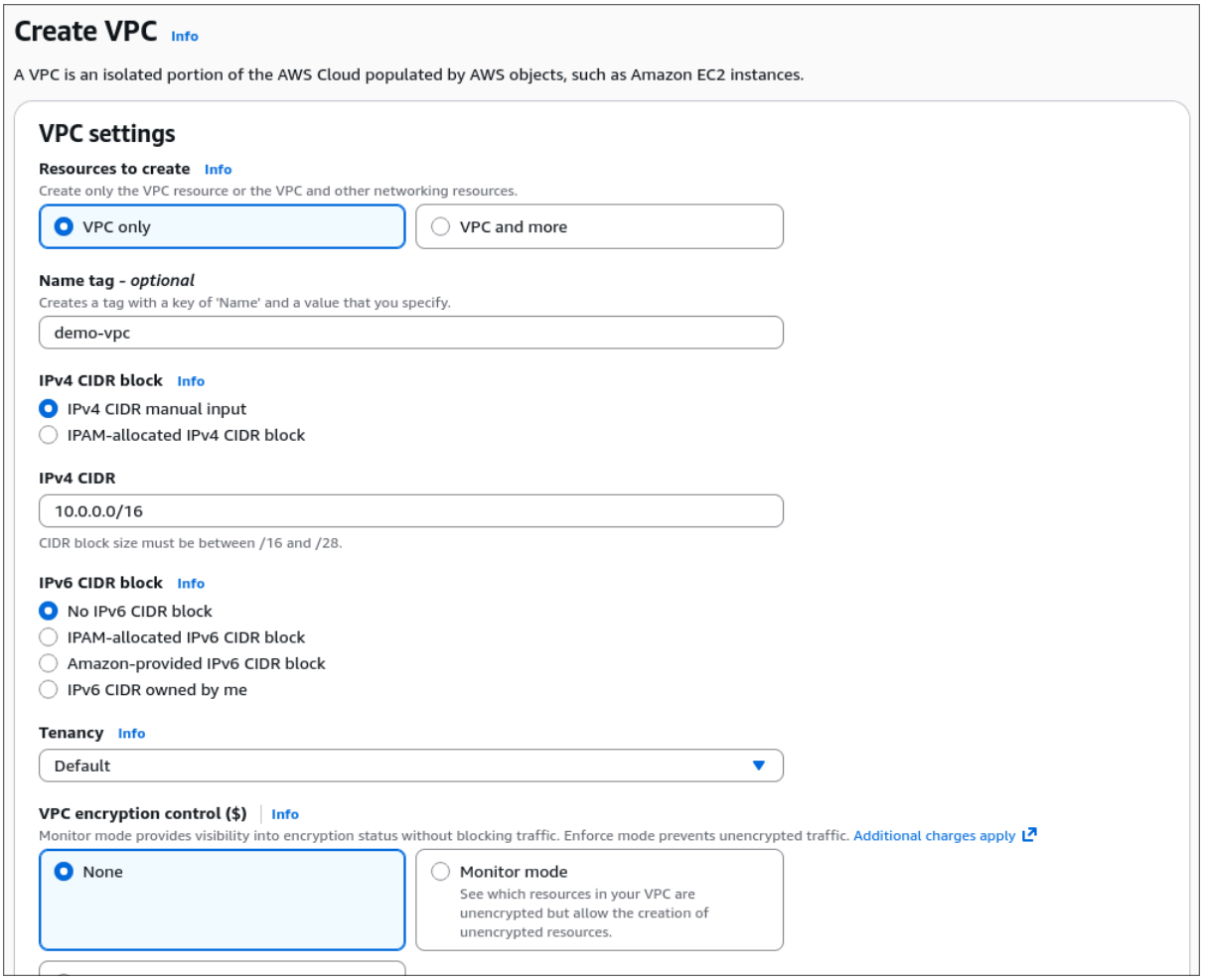
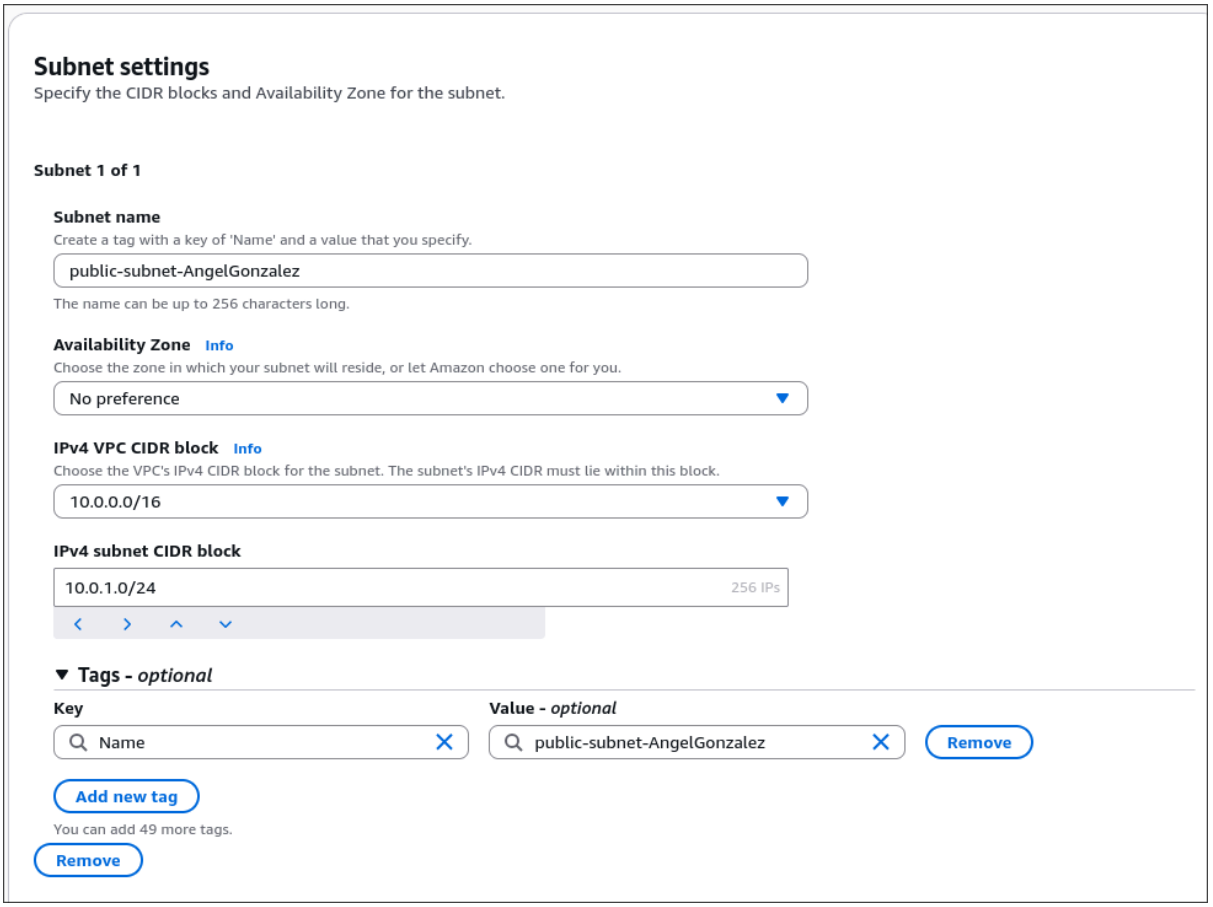
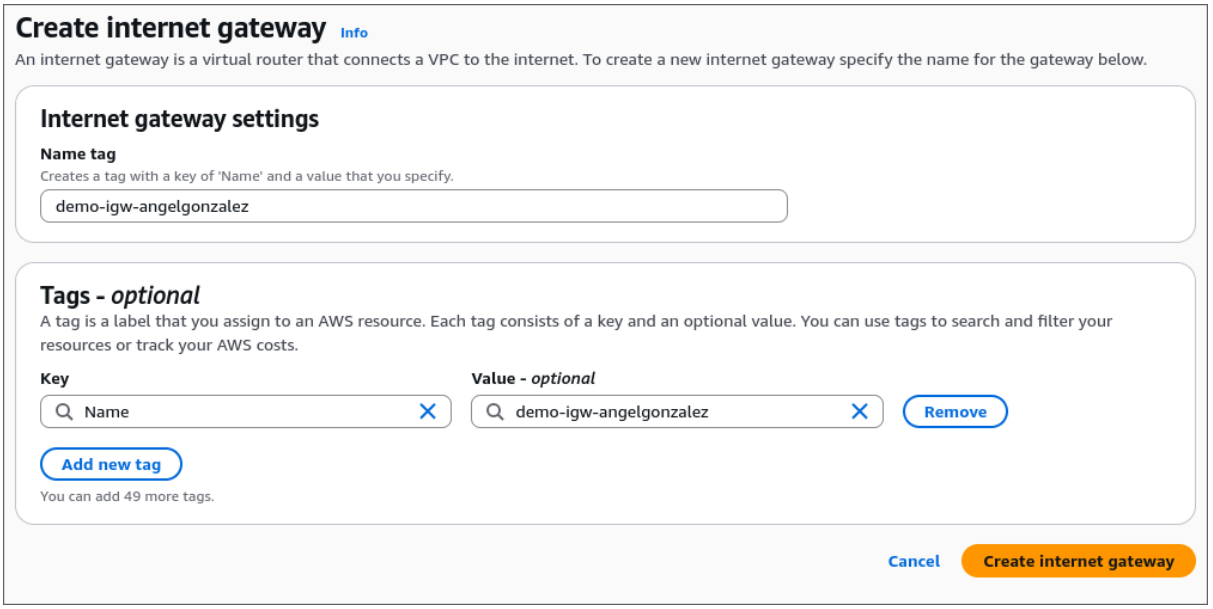
Paso 1. Crear la VPC

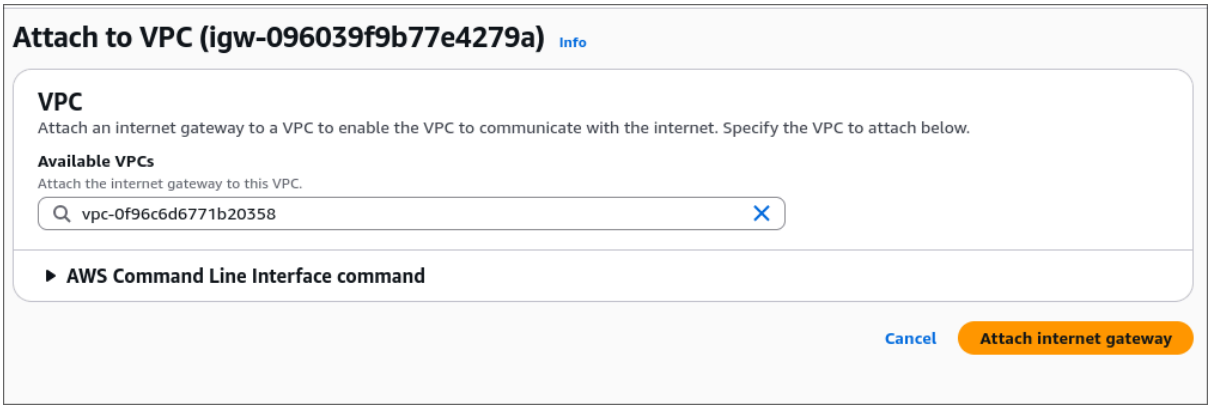


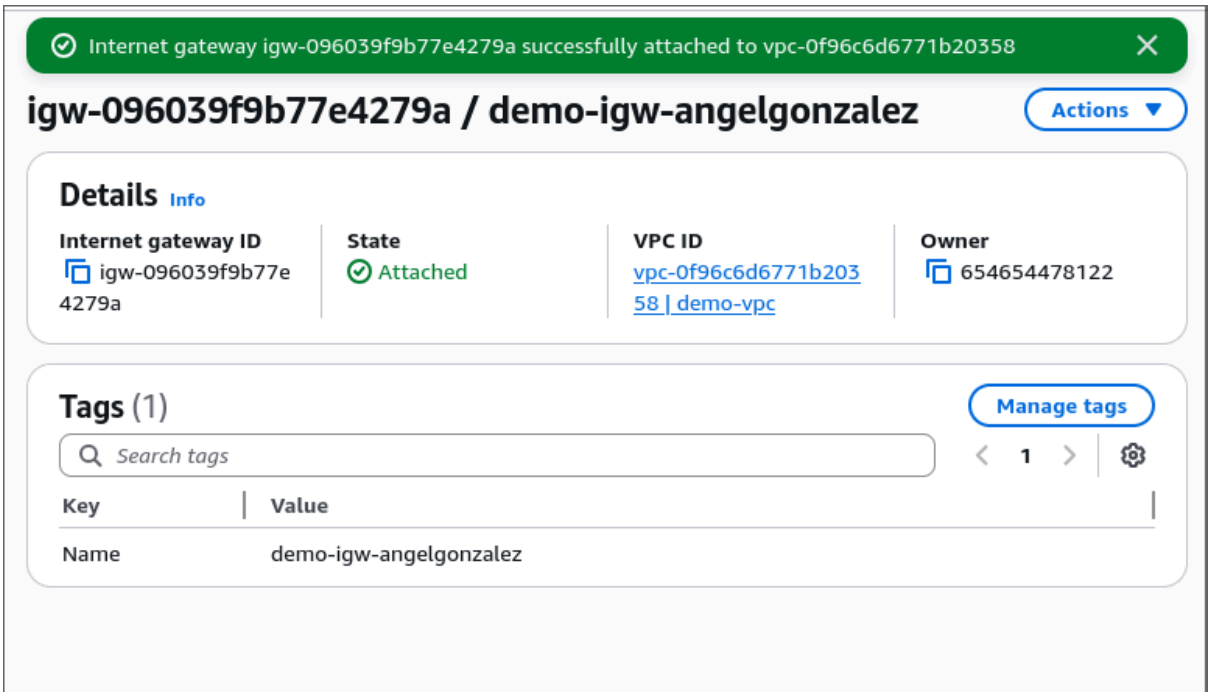
Paso 2. Crear subnet pública



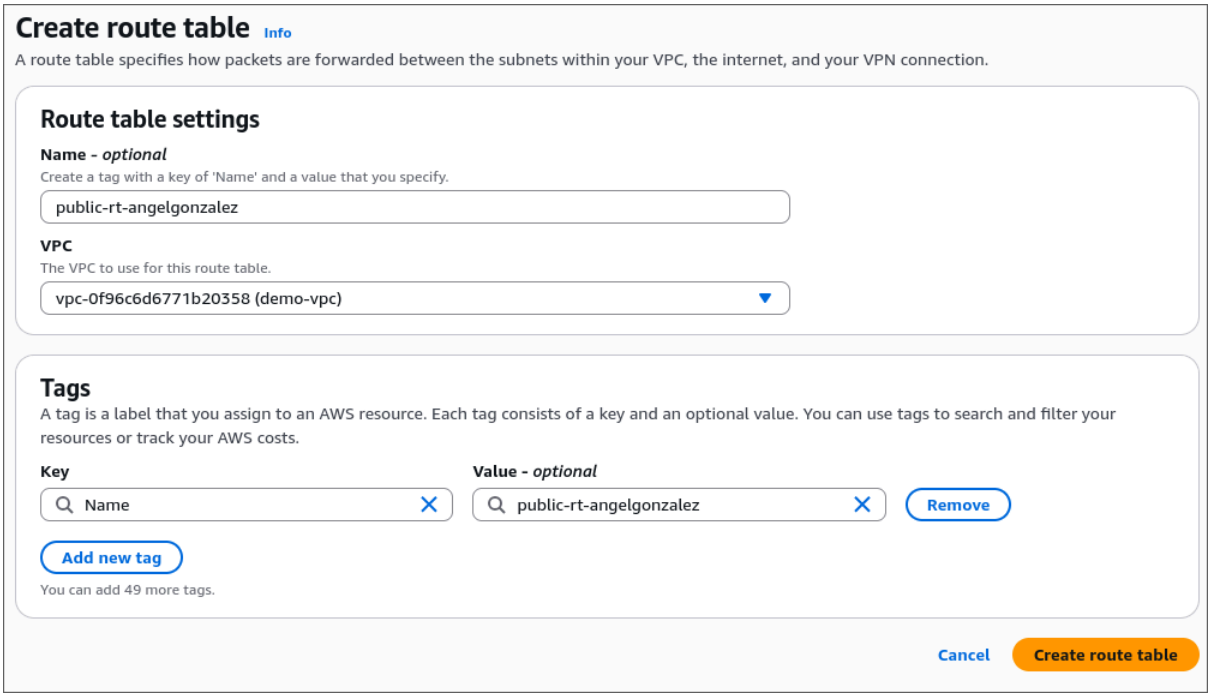
Paso 3. Crear un internet Gateway y hacerle attach a la VPC

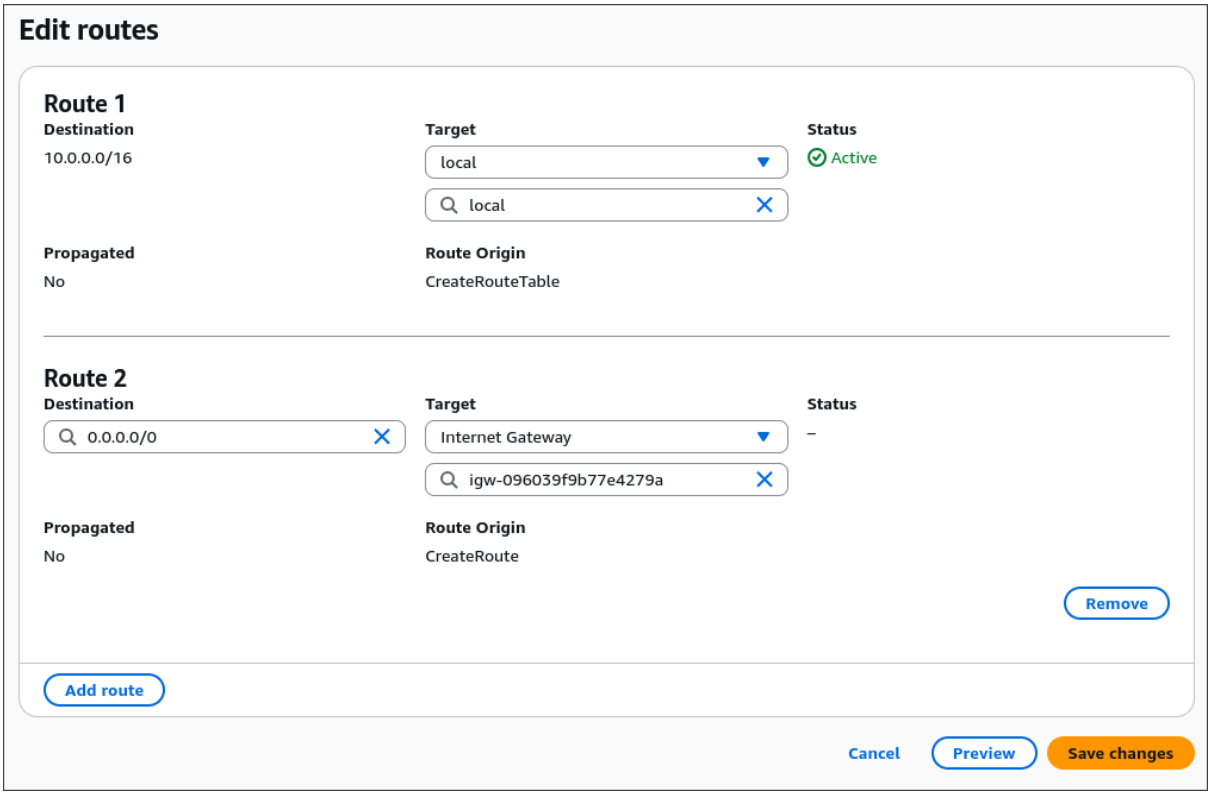


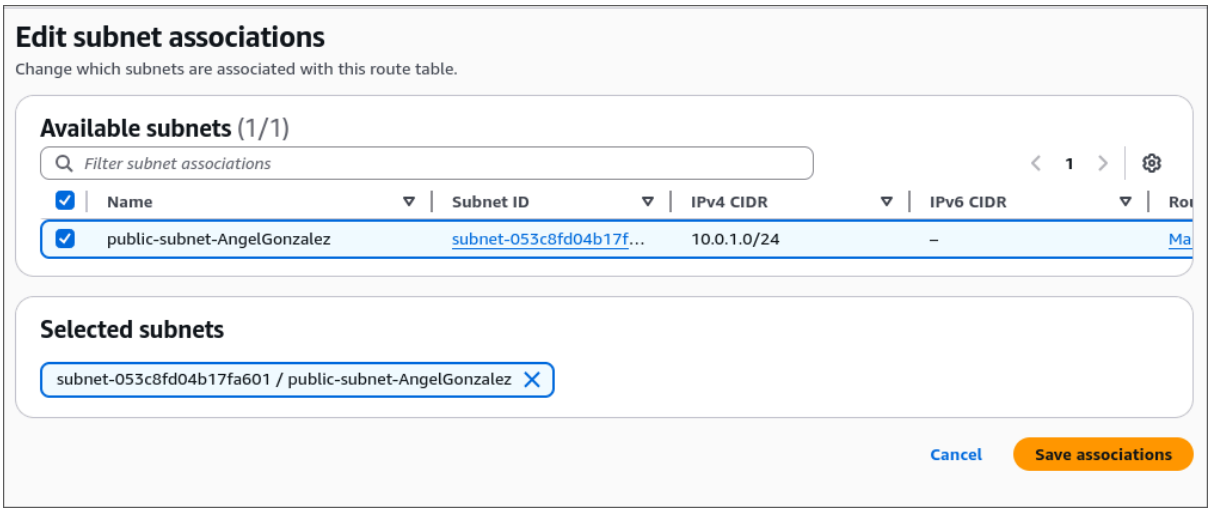




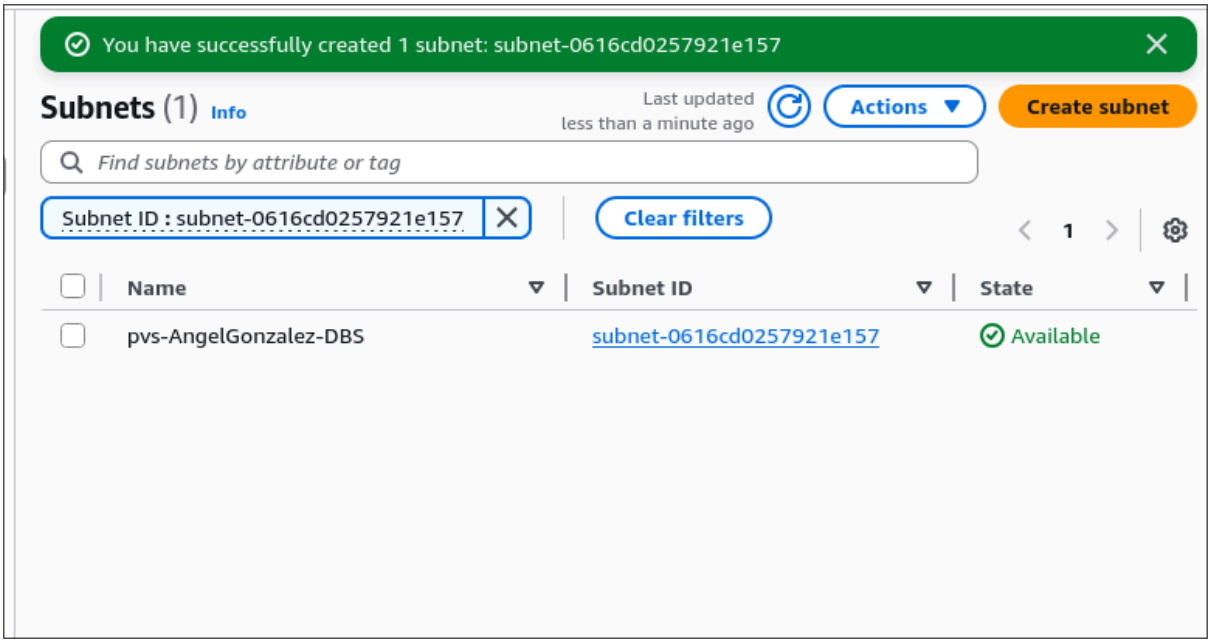
Actividad 4. Configurar Route Table







Paso 5. Subnets privadas



Create route table Info

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.

Route table settings

Name - *optional*

Create a tag with a key of 'Name' and a value that you specify.

private-rt-dbs

VPC

The VPC to use for this route table.

vpc-0f96c6d6771b20358 (demo-vpc)

Tags

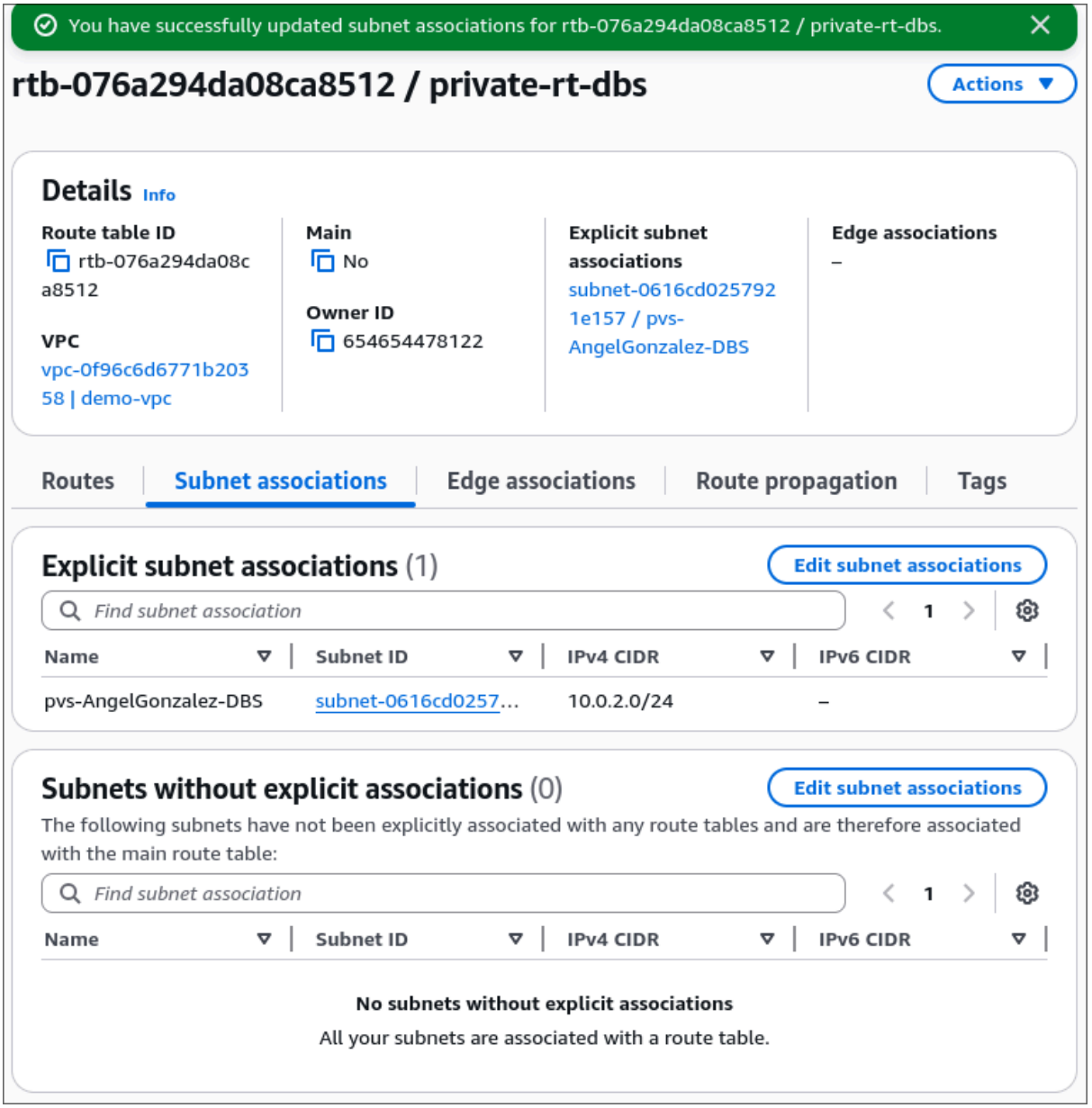
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - *optional*	
Name	private-rt-dbs	Remove

Add new tag

You can add 49 more tags.

Cancel Create route table



Paso 6. Crear Security group

Create security group Info

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name Info

demo-sg-angelgonzalez

Name cannot be edited after creation.

Description Info

allows ssh and http

VPC Info

vpc-0f96c6d6771b20358 (demo-vpc)

Inbound rules Info

This security group has no inbound rules.

Add rule

Outbound rules Info

Outbound rule 1 Delete

Type Info	Protocol Info	Port range Info
SSH	TCP	22

Destination type Info	Destination Info	Description - optional Info
My IP	181.59.3.163/32	ssh-ip-angelgonzalez

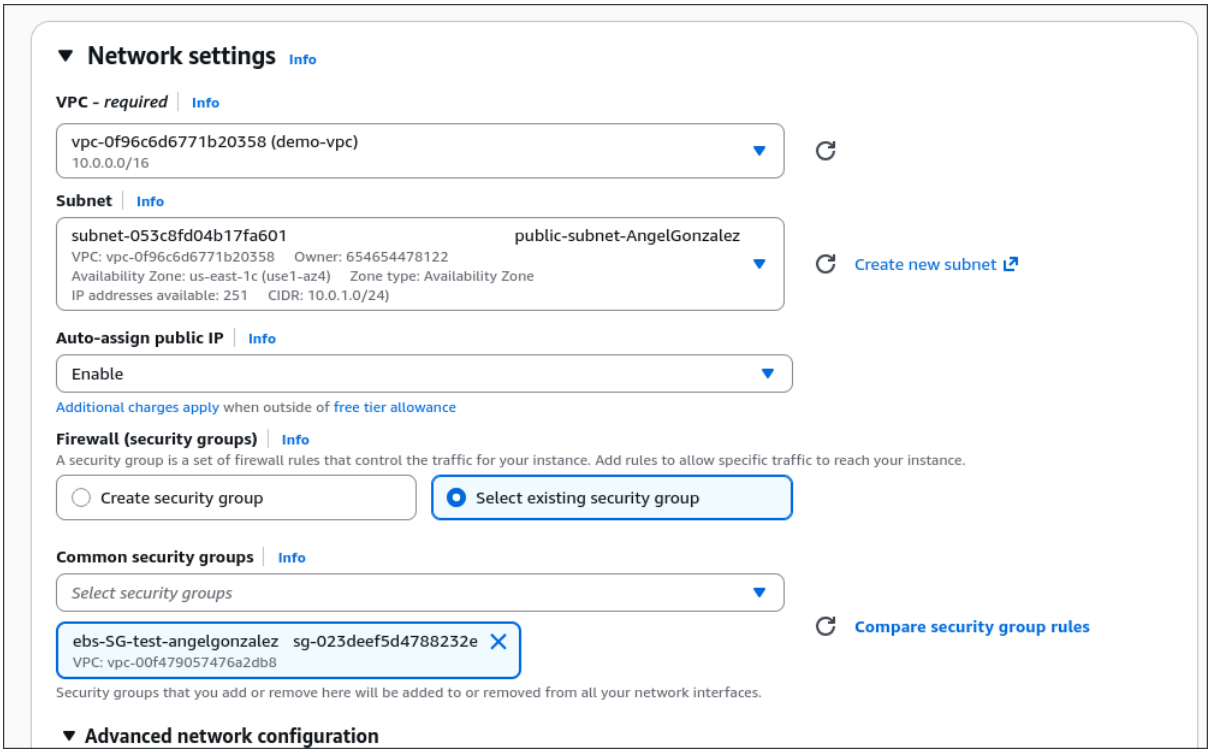
Outbound rule 2 Delete

Type Info	Protocol Info	Port range Info
HTTP	TCP	80

Destination type Info	Destination Info	Description - optional Info
Anywhere-IPv4	0.0.0.0/0	

Add rule

Paso 7. lanzar EC2


Network settings Info
VPC - required Info
vpc-0f96c6d6771b20358 (demo-vpc)
10.0.0.0/16
Subnet Info
subnet-053c8fd04b17fa601 public-subnet-AngelGonzalez
VPC: vpc-0f96c6d6771b20358 Owner: 654654478122
Availability Zone: us-east-1c (use1-az4) Zone type: Availability Zone
IP addresses available: 251 CIDR: 10.0.1.0/24)
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
Common security groups Info
Select security groups
ebs-SG-test-angelgonzalez sg-023deef5d4788232e
VPC: vpc-00f479057476a2db8
Compare security group rules
Security groups that you add or remove here will be added to or removed from all your network interfaces.
Advanced network configuration

Instance summary for i-011cf67f2039ef1bf (demo-ec2-angelGonzalez) Info

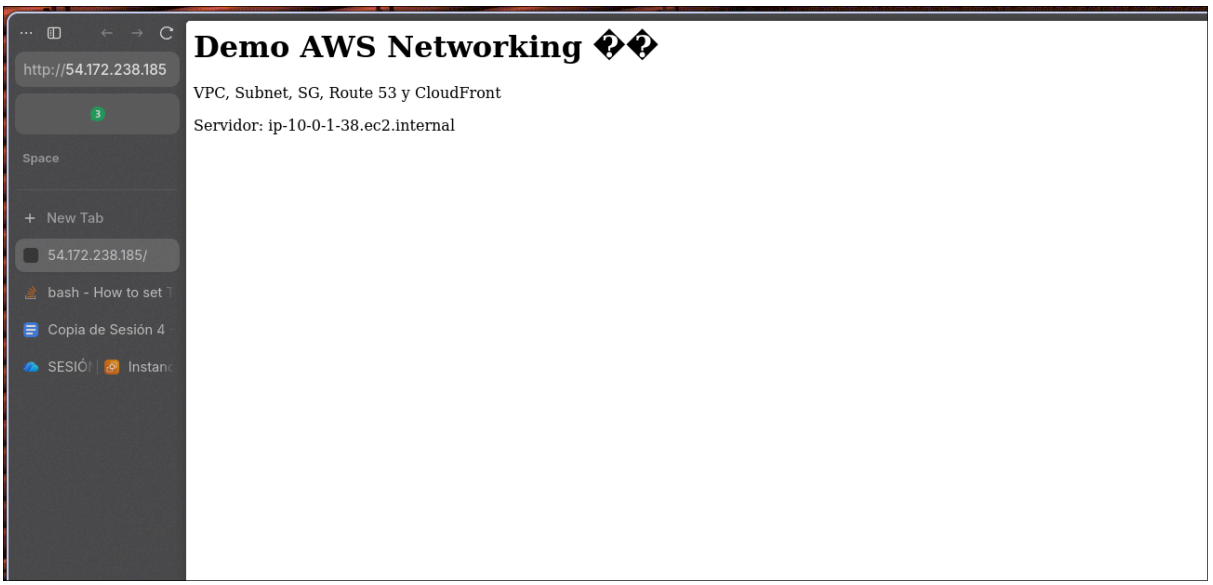
Connect | Instance state | Actions

Updated less than a minute ago

Instance ID i-011cf67f2039ef1bf	**Public IPv4 address** 54.172.238.185 | open address	**Private IPv4 addresses** 10.0.1.38
IPv6 address –	**Instance state** Running	**Public DNS** –
Hostname type IP name: ip-10-0-1-38.ec2.internal	**Private IP DNS name (IPv4 only)** ip-10-0-1-38.ec2.internal	
Answer private resource DNS name –	**Instance type** t3.micro	**Elastic IP addresses** –
Auto-assigned IP address 54.172.238.185 [Public IP]	**VPC ID** vpc-0f96c6d6771b20358 (demo-vpc)	**AWS Compute Optimizer finding** User: arn:aws:iam::654654478122:user/students/anggonpad@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-053c8fd04b17fa601 (public-subnet-AngelGonzalez)	**Auto Scaling Group name** –
IMDSv2 Required	**Instance ARN** arn:aws:ec2:us-east-1:654654478122:instance/i-011cf67f2039ef1bf	**Managed** false

```
[ec2-user@ip-10-0-1-38 html]$ sudo systemctl status httpd
● httpd.service - The Apache HTTP Server
     Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
     Active: active (running) since Mon 2026-02-09 00:20:23 UTC; 2min 1s ago
       Docs: man:httpd.service(8)
   Main PID: 25881 (httpd)
     Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec:   0 B/sec"
      Tasks: 177 (limit: 1067)
     Memory: 13.4M
        CPU: 160ms
     CGroup: /system.slice/httpd.service
             ├─25881 /usr/sbin/httpd -DFOREGROUND
             ├─25882 /usr/sbin/httpd -DFOREGROUND
             ├─25883 /usr/sbin/httpd -DFOREGROUND
             ├─25884 /usr/sbin/httpd -DFOREGROUND
             └─25936 /usr/sbin/httpd -DFOREGROUND

Feb 09 00:20:23 ip-10-0-1-38.ec2.internal systemd[1]: Starting httpd.service - The Apache HTTP Server...
Feb 09 00:20:23 ip-10-0-1-38.ec2.internal httpd[25881]: Server configured, listening on: port 80
Feb 09 00:20:23 ip-10-0-1-38.ec2.internal systemd[1]: Started httpd.service - The Apache HTTP Server.
[ec2-user@ip-10-0-1-38 html]$
[0] 0:sudo*
```


http://54.172.238.185
Space
New Tab
54.172.238.185/
bash - How to set
Copia de Sesión 4
Demo AWS Networking ��
VPC, Subnet, SG, Route 53 y CloudFront
Servidor: ip-10-0-1-38.ec2.internal