

1. Crear una VPC

≡ [VPC](#) > [Your VPCs](#) > Create VPC

Create VPC [Info](#)

A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.

VPC settings

Resources to create [Info](#)

Create only the VPC resource or the VPC and other networking resources.

VPC only

VPC and more

Name tag - optional

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

my-vpc-01

IPv4 CIDR block [Info](#)

- IPv4 CIDR manual input
- IPAM-allocated IPv4 CIDR block

IPv4 CIDR

10.0.0.0/24

CIDR block size must be between /16 and /28.

IPv6 CIDR block [Info](#)

- No IPv6 CIDR block
- IPAM-allocated IPv6 CIDR block
- Amazon-provided IPv6 CIDR block
- IPv6 CIDR owned by me

≡ [VPC](#) > [Your VPCs](#) > Create VPC

VPC settings

Resources to create [Info](#)

Create only the VPC resource or the VPC and other networking resources.

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VPC and more

Name tag - optional

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

demo-vpc-yennyfergomez

IPv4 CIDR block [Info](#)

- IPv4 CIDR manual input
- IPAM-allocated IPv4 CIDR block

IPv4 CIDR

10.0.0.0/16

CIDR block size must be between /16 and /28.

IPv6 CIDR block [Info](#)

- No IPv6 CIDR block
- IPAM-allocated IPv6 CIDR block
- Amazon-provided IPv6 CIDR block
- IPv6 CIDR owned by me

Tenancy [Info](#)

Default



VPC encryption control (\$) [Info](#)

Monitor mode provides visibility into encryption status without blocking traffic. Enforce mode prevents unencrypted traffic. [Additional charges apply](#) ↗

You successfully created vpc-0ead71e82eca0ad23 / demo-vpc-yennyfergomez

vpc-0ead71e82eca0ad23 / demo-vpc-yennyfergomez

[Actions ▾](#)

Details Info	
VPC ID vpc-0ead71e82eca0ad23	State Available
DNS resolution Enabled	Tenancy default
Main network ACL acl-021280f6f195b978f	Default VPC No
IPv6 CIDR (Network border group) -	Network Address Usage metrics Disabled
Encryption control ID -	Encryption control mode -
Block Public Access <input type="radio"/> Off	
DHCP option set dopt-0dd7028e215a4421b	
IPv4 CIDR 10.0.0.0/16	
Route 53 Resolver DNS Firewall rule groups ✖ Failed to load rule groups	
DNS hostnames Disabled	
Main route table rtb-0fdaa7d26b8b14db6	
IPv6 pool -	
Owner ID 654654478122	

[Resource map](#) | [CIDRs](#) | [Flow logs](#) | [Tags](#) | [Integrations](#)

You successfully created vpc-0ead71e82eca0ad23 / demo-vpc-yennyfergomez

DNS resolution Enabled	Tenancy default	DHCP option set dopt-0dd7028e215a4421b	Main route table rtb-0fdaa7d26b8b14db6
Main network ACL acl-021280f6f195b978f	Default VPC No	IPv4 CIDR 10.0.0.0/16	IPv6 pool -
IPv6 CIDR (Network border group) -	Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups ✖ Failed to load rule groups	Owner ID 654654478122
Encryption control ID -	Encryption control mode -		

[Resource map](#) | [CIDRs](#) | [Flow logs](#) | [Tags](#) | [Integrations](#)

Resource map [Info](#)

[Show all d](#)

VPC
 Your AWS virtual network
[demo-vpc-yennyfergomez](#)

Subnets (0)
 Subnets within this VPC

Route tables (1)
 Route network traffic to resources
[rtb-0fdaa7d26b8b14db6](#)

2. : Crear Subnet Pública

You have successfully created 1 subnet: subnet-0efaf4a6ed032598d

Subnets (1) [Info](#)

Last updated less than a minute ago [Actions ▾](#) [Create subnet](#)

<input type="checkbox"/>	Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR
<input type="checkbox"/>	public-subnet-1-yennyfergomez	subnet-0efaf4a6ed032598d	Available	vpc-0ead71e82eca0ad23 dem...	<input type="radio"/> Off	10.0.1.0/24

3. : Crear internet Gateway

VPC > Internet gateways > Create internet gateway

Create internet gateway Info

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

Internet gateway settings

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

Tags - optional
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
<input type="text" value="Name"/>	<input type="text" value="demo-igw-yennyfergomez"/> X Remove

[Add new tag](#)
You can add 49 more tags.

Cancel Create internet gateway

The following internet gateway was created: igw-0cb467a8d90b8a143 - demo-igw-yennyfergomez. You can now attach to a VPC to enable the VPC to communicate with the internet. [Attach to a VPC](#)

igw-0cb467a8d90b8a143 / demo-igw-yennyfergomez

[Actions ▾](#)

Details Info

Internet gateway ID	State	VPC ID	Owner
igw-0cb467a8d90b8a143	<input checked="" type="checkbox"/> Detached	-	<input checked="" type="checkbox"/> 654654478122

Tags (1) [Manage tags](#)

Key	Value
Name	demo-igw-yennyfergomez

4. Configurar Route Table

VPC > Internet gateways > Attach to VPC (igw-0cb467a8d90b8a143)

Attach to VPC (igw-0cb467a8d90b8a143) Info

VPC

Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs

Attach the internet gateway to this VPC.

▶ AWS Command Line Interface command

☰ VPC > Route tables > Create route table

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.
public-rt-yennyfergomez

VPC
The VPC to use for this route table.
vpc-0ead71e82eca0ad23 (demo-vpc-yennyfergomez)

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
<input type="text" value="Name"/>	<input type="text" value="public-rt-yennyfergomez"/> X Remove

Add new tag

You can add 49 more tags.

b-0f68d1d372ecf9a1c

⌚ Route table rtb-0f68d1d372ecf9a1c | public-rt-yennyfergomez was created successfully.

rtb-0f68d1d372ecf9a1c / public-rt-yennyfergomez

Actions ▾

Details Info

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-0f68d1d372ecf9a1c	<input checked="" type="checkbox"/> No	-	-
VPC	Owner ID	-	
vpc-0ead71e82eca0ad23 demo-vpc-yennyfergomez	654654478122	-	

Routes Subnet associations Edge associations Route propagation Tags

Routes (1)

Filter routes		Both		Edit routes	
Destination	Target	Status	Propagated	Route Origin	Actions
10.0.0.0/16	local	Active	No	Create Route Table	X

5. Crear Subnet Privada

rtb-0f68d1d372ecf9a1c

⌚ Updated routes for rtb-0f68d1d372ecf9a1c / public-rt-yennyfergomez successfully

► Details

rtb-0f68d1d372ecf9a1c / public-rt-yennyfergomez

Actions ▾

Details Info

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-0f68d1d372ecf9a1c	<input checked="" type="checkbox"/> No	-	-
VPC	Owner ID	-	
vpc-0ead71e82eca0ad23 demo-vpc-yennyfergomez	654654478122	-	

Routes Subnet associations Edge associations Route propagation Tags

Routes (2)

Filter routes		Both		Edit routes	
Destination	Target	Status	Propagated	Route Origin	Actions
0.0.0.0/0	igw-0cb467a8d90b8a143	Active	No	Create Route	X
10.0.0.0/16	local	Active	No	Create Route Table	X

DNS resolution Enabled	Tenancy default	DHCP option set dopt-0dd7028e215a4421b	Main route table rtb-0fdaa7d26b8b14db6
Main network ACL acl-021280f6f195b978f	Default VPC No	IPv4 CIDR 10.0.0.0/16	IPv6 pool -
IPv6 CIDR (Network border group) -	Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups Failed to load rule groups	Owner ID 654654478122
Encryption control ID -	Encryption control mode -		

Resource map | CIDs | Flow logs | Tags | Integrations

Resource map Info

Show all details

VPC
Your AWS virtual network
[demo-vpc-yennyfergomez](#)

Subnets (1)
Subnets within this VPC

us-east-1c

[public-subnet-1-yennyfergomez](#)

Route tables (2)
Route network traffic to resources

[rtb-0fdaa7d26b8b14db6](#)

[public-rt-yennyfergomez](#)

VPC

VPC ID

Create subnets in this VPC.

[vpc-0ead71e82eca0ad23 \(demo-vpc-yennyfergomez\)](#)

Associated VPC CIDRs

IPv4 CIDRs
10.0.0.0/16

Subnet settings

Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name

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

[private-subnet-1-yennyfergomez](#)

The name can be up to 256 characters long.

Availability Zone Info

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

[United States \(N. Virginia\) / use1-az4 \(us-east-1c\)](#)

6. Crear Security Group

Security group ([sg-08b3d7685d46e750a](#) | demo-sg-yennyfergomez) was created successfully
► Details

[sg-08b3d7685d46e750a - demo-sg-yennyfergomez](#)

Actions ▾

Details

Security group name
[demo-sg-yennyfergomez](#)

Security group ID
[sg-08b3d7685d46e750a](#)

Description
[security](#)

VPC ID
[vpc-0ead71e82eca0ad23](#)

Owner

[654654478122](#)

Inbound rules count
2 Permission entries

Outbound rules count
0 Permission entries

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
-	sgr-017f1026a841ebaf	IPv4	SSH	TCP	22
-	sgr-08d4be6861250e201	IPv4	HTTP	TCP	80

7. Lanzar EC2 con User Data

Instance summary for i-0e7101fbe8423c981 (demo-ec2-yennyfergomez) Info		
Updated less than a minute ago		
Instance ID i-0e7101fbe8423c981	Public IPv4 address 18.208.192.172 open address	Private IPv4 addresses 10.0.1.82
IPv6 address -	Instance state Running	Public DNS -
Hostname type IP name: ip-10-0-1-82.ec2.internal	Private IP DNS name (IPv4 only) ip-10-0-1-82.ec2.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t3.micro	AWS Compute Optimizer finding User: arn:aws:iam::654654478122:user/andreas3578@hotmail.com is not authorized to perform: compute-optimizer:GetEnrollmentStatus on resource: * because no identity-based policy allows the compute-optimizer:GetEnrollmentStatus action
Auto-assigned IP address 18.208.192.172 [Public IP]	VPC ID vpc-0ead71e82eca0ad23 (demo-vpc-yennyfergomez)	Retry
IAM role -	Subnet ID subnet-0efaf4a6ed032598d (public-subnet-1-yennyfergomez)	Auto Scaling Group name -

Demo AWS Networking

VPC, Subnet, SG, Route 53 y CloudFront

Servidor: ip-10-0-1-82.ec2.internal