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Documentación
Creación de su VPC y
lanzamiento de un
servidor web

AWS Re/Start
ARBUE-12

267-[NF]-Lab

Objetivos:

- Crear una Virtual Private Cloud (VPC)
- Crear subredes
- Configurar un grupo de seguridad
- Lanzar una instancia de Amazon Elastic Compute Cloud (Amazon EC2) en la VPC

Diagrama del cliente

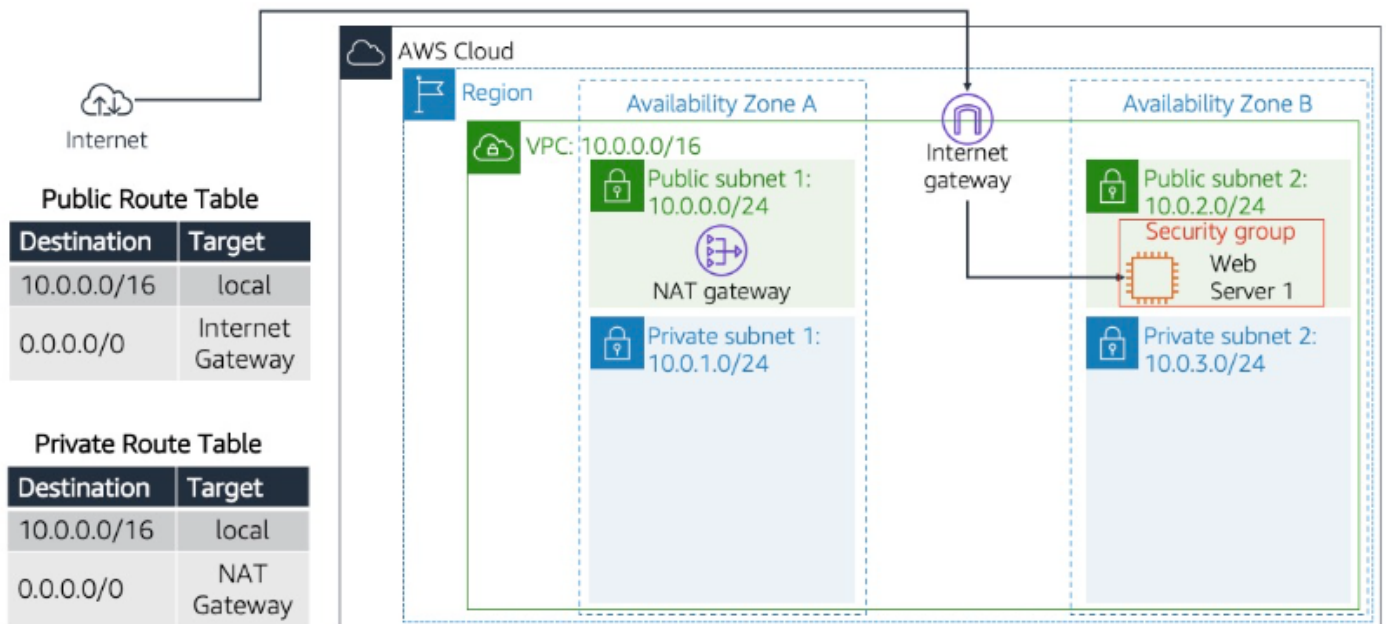


Figura: El cliente solicita la creación de esta arquitectura para iniciar correctamente su servidor web.

Tarea 1: Crear una VPC

The screenshot shows the AWS Management Console interface for a VPC. The top navigation bar includes the AWS logo, 'Servicios', a search bar, and the user's account information. The main content area is titled 'Resource map' and shows a visual representation of the VPC resources. A notification box on the left states: 'Introducing the VPC resource map. Solid lines represent relationships between resources in your VPC. Dotted lines represent network traffic to network functions. This feature is under development and may change. Provide feedback.'

Resource map components:

- VPC:** Lab VPC-vpc
- Subredes (2):** us-west-2a, Lab VPC-subnet-public1-us-west-2a, Lab VPC-subnet-private1-us-west-2a
- Tablas de enrutamiento (3):** Lab VPC-rtb-public, Lab VPC-rtb-private1-us-west-2a, rtb-033261291346df8f8
- Conexiones de red (3):** Lab VPC-igw, Lab VPC-nat-public1-us-west-2a, Lab VPC-vpce-s3

Tarea 2 Crear subredes adicionales

The screenshot shows the AWS Management Console interface for the 'Subredes' page. A green banner at the top indicates: 'Ha creado correctamente 1 subred: subnet-014a8a9f354e586c8'. The table below lists the existing subnets and their details.

	Subredes (4/8)	Información
<input type="checkbox"/>	subnet-0aa69a416d68dfe2c	Available vpc-0bbedd35513295e93 172.31.32.0/20 - 4091
<input type="checkbox"/>	subnet-022c3ba06df5a63fa	Available vpc-0bbedd35513295e93 172.31.16.0/20 - 4091
<input type="checkbox"/>	subnet-0127239359b98abdb	Available vpc-0bbedd35513295e93 172.31.0.0/20 - 4091
<input checked="" type="checkbox"/>	Private Subnet 2 subnet-014a8a9f354e586c8	vpc-0ddce9bb98357e9ff L... 10.0.3.0/24 - 251
<input checked="" type="checkbox"/>	Public Subnet 2 subnet-0dbaef955fe320cab	vpc-0ddce9bb98357e9ff L... 10.0.2.0/24 - 251
<input checked="" type="checkbox"/>	Lab VPC-subnet-p... subnet-02b10fb4c51880a4f	vpc-0ddce9bb98357e9ff L... 10.0.1.0/24 - 251
<input checked="" type="checkbox"/>	Lab VPC-subnet-p... subnet-0177b1d7f8a13baee	vpc-0ddce9bb98357e9ff L... 10.0.0.0/24 - 250

Subredes: subnet-014a8a9f354e586c8, subnet-0dbaef955fe320cab, subnet-02b10fb4c51880a4f, subnet-0177b1d7f8a13baee

Tarea 3

Crear una tabla de enrutamiento

The screenshot shows the AWS Management Console interface for the 'Tablas de enrutamiento' (Route Tables) section. The left sidebar contains navigation links for VPC, Subnets, Route Tables, Internet Gateways, NAT Gateways, and Security. The main content area displays a list of route tables. The 'Private Route Table' (rtb-088f3710b76c472d6) is selected, and its routes are shown in a table below.

Destino	Destino	Estado	Propagada
pl-68a54001	vpce-0d10f7634148f91ad	Activo	No
0.0.0.0/0	nat-005658d31f8990280	Activo	No
10.0.0.0/16	local	Activo	No

Tarea 4

Asociar las subredes y agregar rutas

The screenshot shows the AWS Management Console interface for the 'Editar asociaciones de subredes' (Edit Subnet Associations) page. The page lists available subnets and shows the selected subnets for the route table.

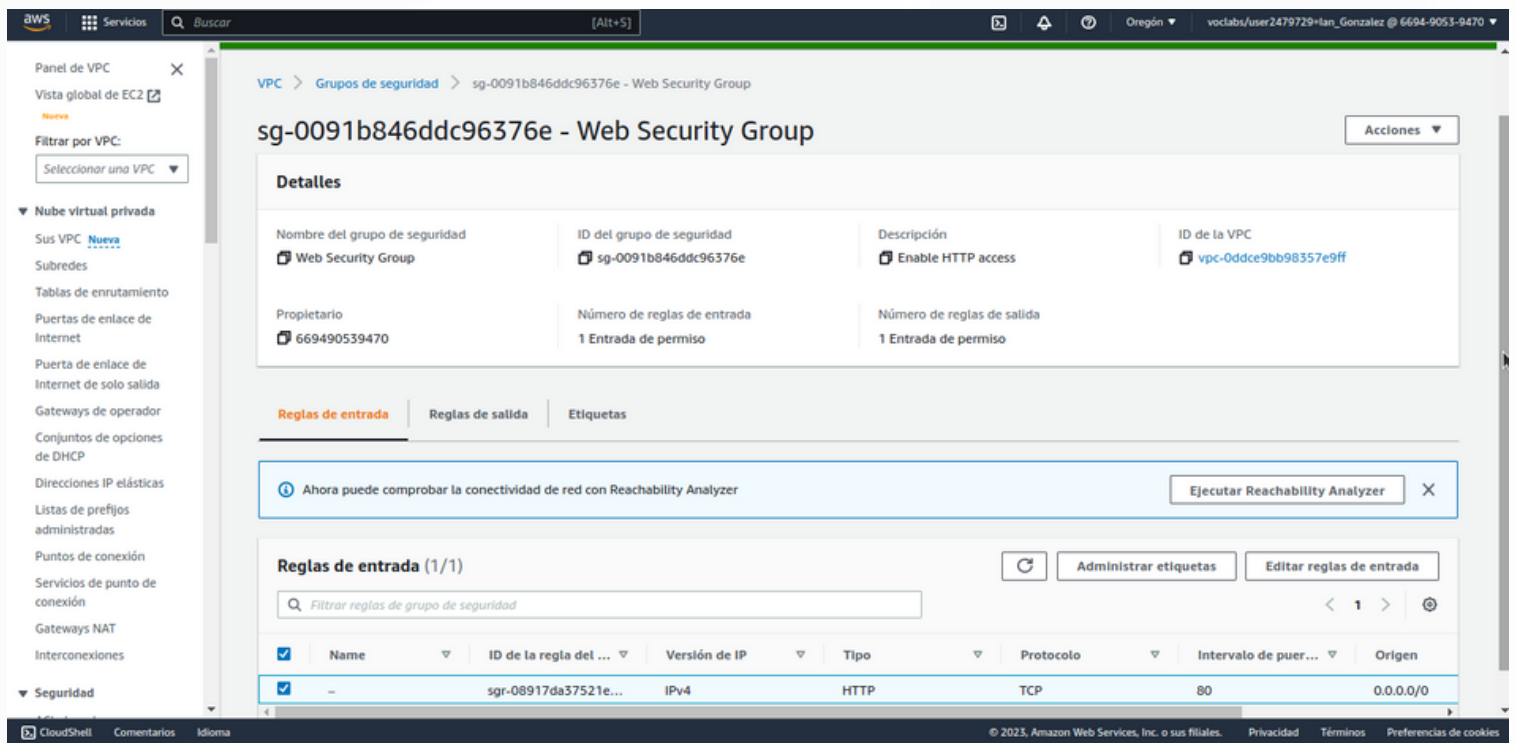
Subredes disponibles (2/4)
<input type="checkbox"/> Lab VPC-subnet-public1-us-west-2a
<input checked="" type="checkbox"/> Private Subnet 2
<input checked="" type="checkbox"/> Lab VPC-subnet-private1-us-west-2a
<input type="checkbox"/> Public Subnet 2

Subredes seleccionadas:

subnet-02b10fb4c51880a4f / Lab VPC-subnet-private1-us-west-2a X subnet-014a8a9f354e586c8 / Private Subnet 2 X

Tarea 5

Crear un grupo de seguridad de la VPC



Tarea 6

Lanzar una instancia de servidor web

