



Laboratorio

DIRECCIONES IP ESTÁTICAS Y DINÁMICAS

Hecho por Ignacio Suárez



Objetivos

- Resumir los requisitos del consumidor.
- Analizar la diferencia entre IPs dinámicas y estáticas asignadas utilizando instancias de EC2
- Asignar una IP estática a una instancia EC2
- Desarrollar una solución al problema del cliente del laboratorio; luego de eso, resumir y describir tus descubrimientos.

Tarea 1: Investigar los requisitos del cliente.

Hello Cloud Support! 

We are having issues with one of our EC2 instances. The IP changes every time we start and stop this instance called Public Instance. This causes everything to break since it needs a static IP address. We are not sure why the IP changes on this instance to a random IP every time. Can you please investigate? Attached is our architecture. Please let me know if you have any questions. Thanks!




Análisis del correo.

En este caso tenemos un cliente al cual la IP dinámica de una instancia EC2 le genera un problema, para solucionar esto deberemos de comprobar que en efecto la instancia tiene IP dinámica para luego darle una IP estática asociando una Elastic IP address a la instancia.







Creación de una instancia de testeo

[EC2](#) > [Instances](#) > Launch an Instance

 **Success**
Successfully initiated launch of instance ([i-0357010ed433610db](#))

▼ Launch log

| | |
|-------------------------------|---|
| Initializing requests |  Succeeded |
| Creating security groups |  Succeeded |
| Creating security group rules |  Succeeded |
| Launch initiation |  Succeeded |

IP antes del reinicio

test instance

i-0357010ed433610db

Running

t3.micro

Initializing

i-0357010ed433610db (test instance)

Details

Status and alarms

New

Monitoring

Security

Networking

Storage

Tags

▼ Networking details

Info

Public IPv4 address

18.246.229.154

 |

open address

Private IPv4 addresses

10.0.10.59

IP luego del reinicio (cambió)

☒ test instance i-0357010ed433610db Running t3.micro Initializing

i-0357010ed433610db (test instance)

Details

Status and alarms New

Monitoring

Security

Networking

Storage

Tags

▼ Networking details Info

Public IPv4 address

52.36.80.164

 | [open address](#)

Private IPv4 addresses

10.0.10.59

Asociando esta
Elastic IP
address, la
instancia dejará
de tener IP
dinámica

Elastic IP address: 34.209.110.228

Resource type
Choose the type of resource with which to associate the Elastic IP address.

☒ Instance
☐ Network interface

⚠ If you associate an Elastic IP address with an instance that already has an Elastic IP address associated, the previously associated Elastic IP address will be disassociated, but the address will still be allocated to your account. [Learn more](#)

If no private IP address is specified, the Elastic IP address will be associated with the primary private IP address.

Instance

Private IP address
The private IP address with which to associate the Elastic IP address.

Reassociation
Specify whether the Elastic IP address can be reassociated with a different resource if it already associated with a resource.
☐ Allow this Elastic IP address to be reassociated

Tarea 2: Enviar la respuesta al cliente.

Hello! 

In order to solve this problem you may attach one allocated Elastic IP address to the EC2's instance, this will make the instance's IP static so it will never change after a reset.

Greetings!



Conclusiones

- Se encontró una solución al problema del cliente.
- Comprobamos que mediante el Elastic IP address podemos tener IPs estáticas en las instancias.
- Se envió la respuesta al cliente y se dió paso al cierre del ticket.

¡Muchas gracias!

- Hecho por Ignacio Suárez. Realizado en canva.com