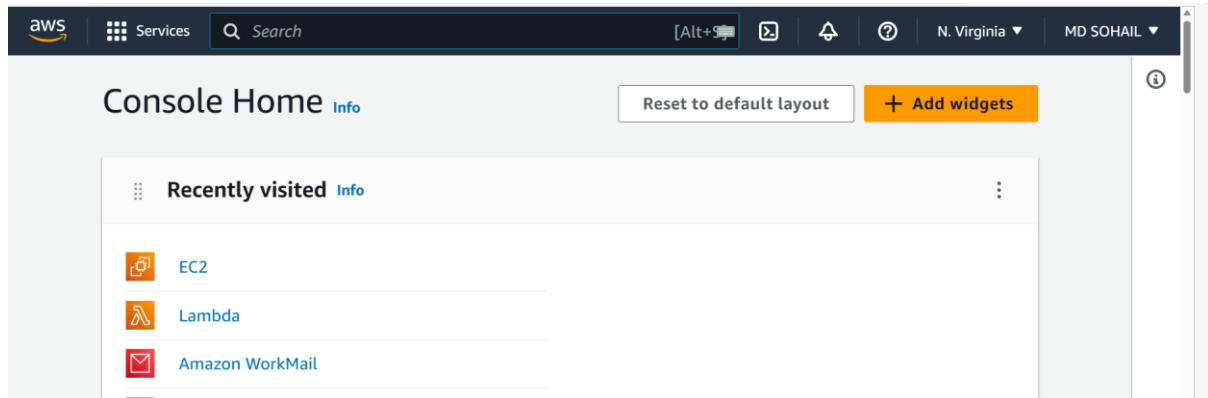


# ASSIGNMENT 14

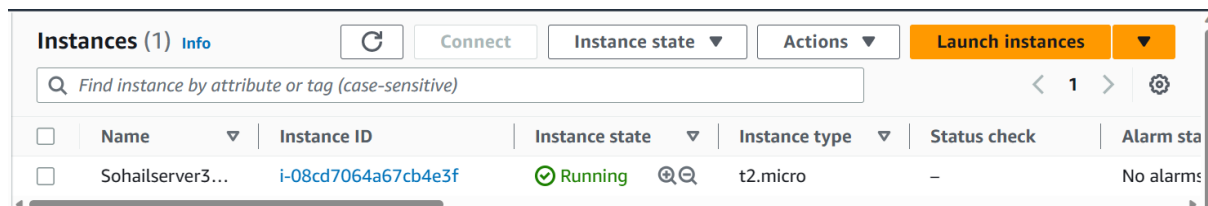
**Problem Statement:** *Create an Elastic IP for an instance.*

## **Procedure**

1. **Sign in** to your AWS account.



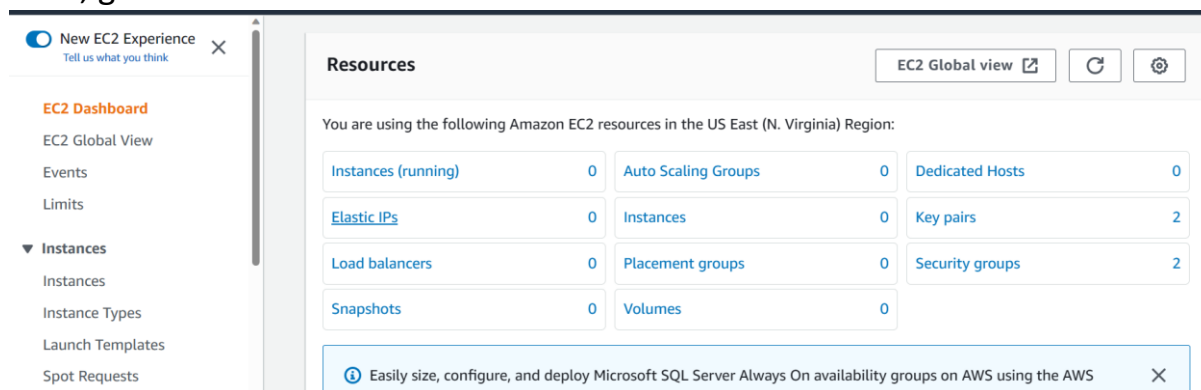
2. Go to EC2 and **create an instance**. [Create using the steps shown in the previous assignments. But there is no need to clone and run the project]



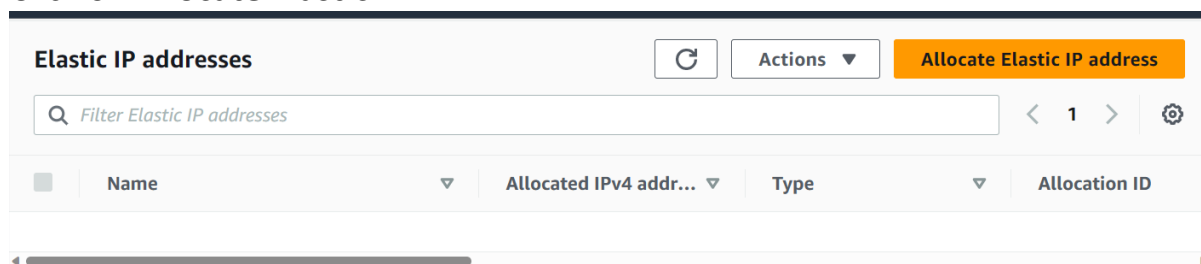
3. Copy the Public IPv4 address of the instance and paste it in a text file to notice its change when the Elastic IP is associated.



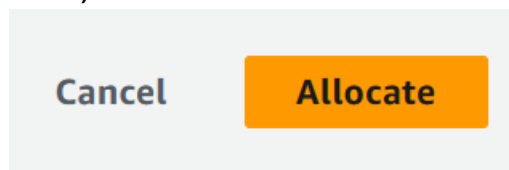
4. Now, go to EC2 dashboard and click on **Elastic IPs**.



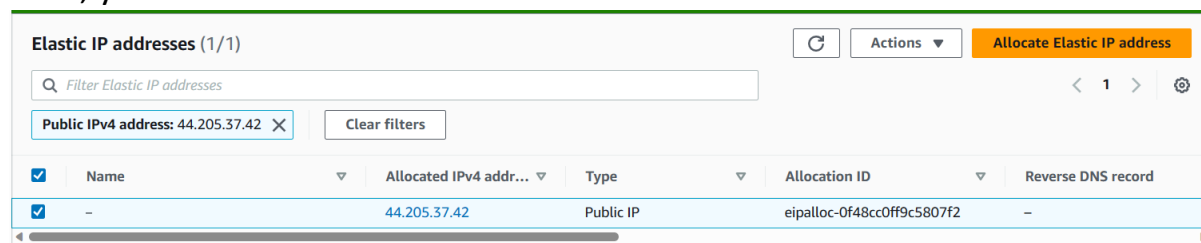
5. Click on **Allocate Elastic IP**.



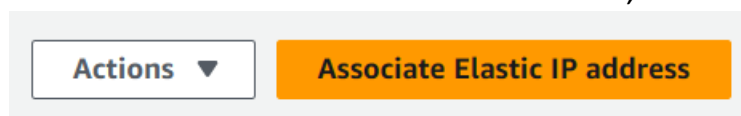
6. Next, click on **Allocate** at the bottom of the page.



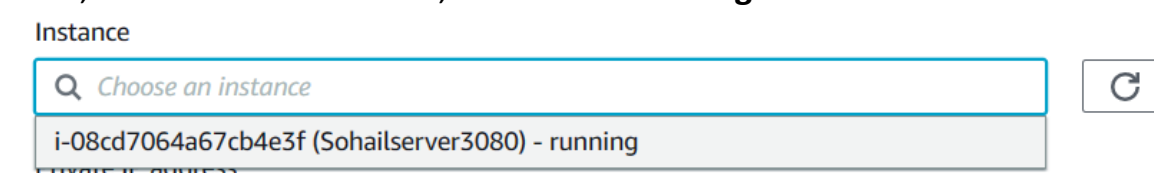
7. Now, you can see the **Allocated Elastic IP address**.



8. Click on the Allocated IPv4 address. Next, click on **Associate Elastic IP address**.



9. Now, in the instance section, choose the **running** instance.



Next, choose the **Private IP address**.

#### Private IP address

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

172.31.16.235

Next, choose whether you want the Elastic IP to be reassociated. [ In my case, I am choosing it to be reassociated.]

#### 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

At last, click on **Associate**.

Cancel

Associate

10. Now, go to the Instance you created and check its Public IPv4 address. See it has **changed** to Elastic IPv4 address.

EC2 > Instances > i-08cd7064a67cb4e3f

**Instance summary for i-08cd7064a67cb4e3f (Sohailserver3080)** [Info](#)

Updated less than a minute ago

Connect

Instance state ▼

Actions ▼

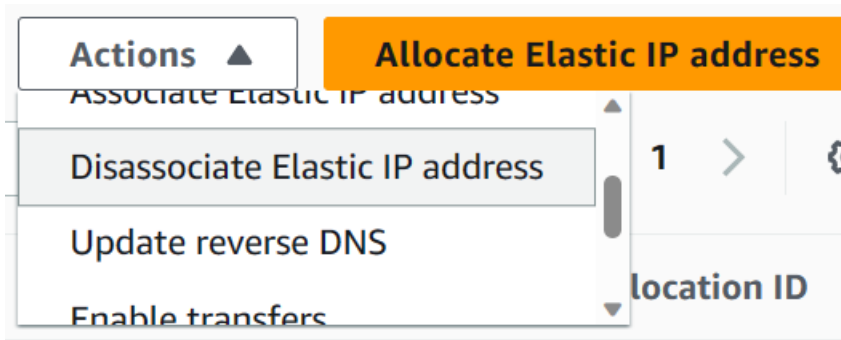
Instance ID i-08cd7064a67cb4e3f (Sohailserver3080)	Public IPv4 address 44.205.37.42   <a href="#">open address</a>	Private IPv4 addresses 172.31.16.235
----------------------------------------------------------	--------------------------------------------------------------------	-----------------------------------------

before Public IPv4 address - 54.91.5.163

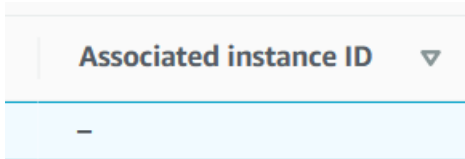
after Public IPv4 address - 44.205.37.42

11. To **remove** the Elastic IP, we have to follow the below steps:

- Go to Elastic Ips
- Select the Elastic IP and click on **Actions→Disassociate Elastic IP address→Disassociate**. [The Elastic IP address will be disassociated from the instance]



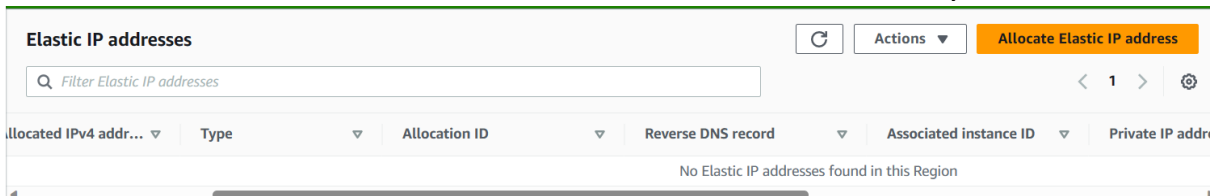
Afterwards, you can see the **Associated instance ID** blank.



- c) Next, select the Elastic IP address and click on **Actions** → **Release Elastic IP addresses** → **Release**



- d) You can see that there are no Elastic IP addresses allocated anymore.




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*Hence, we have successfully created, associated and removed the elastic IP.*

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