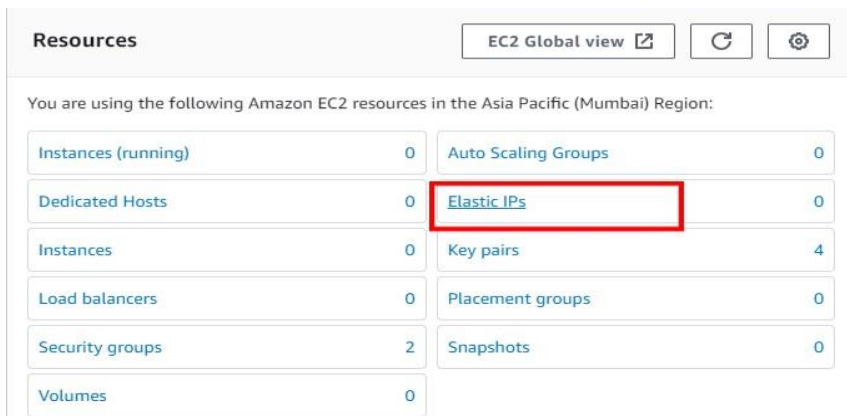


## ASSIGNMENT NO-14

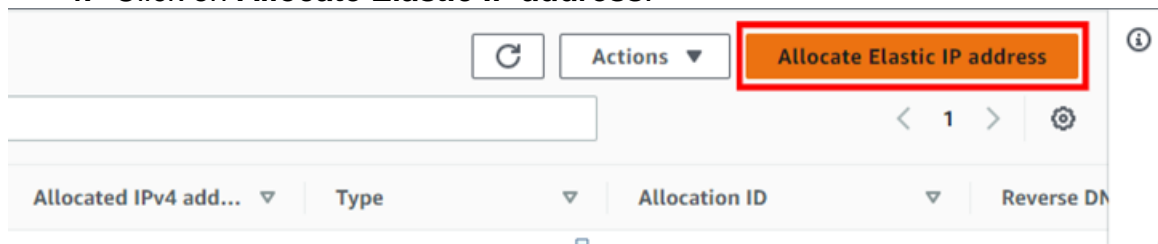
**Problem Statement:- Create an elastic IP for an instance.**

### **Steps:-**

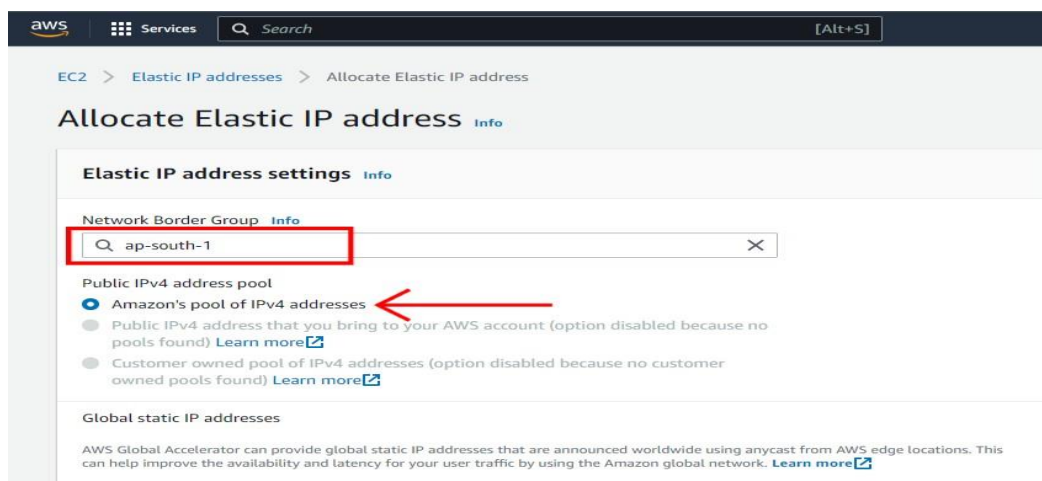
1. **Sign in.** Sign in to your **AWS account**.
2. Create an EC2 instance.
3. Go to **EC2 dashboard** and click on **Elastic IPs**.



4. Click on **Allocate Elastic IP address**.



5. Select the **network border group** as same as of you instance and select the **Amazon's pool of IPv4 address**.



## 6. Click on **allocate**.

Global static IP addresses

AWS Global Accelerator can provide global static IP addresses that are announced worldwide using anycast from AWS edge locations. This can help improve the availability and latency for your user traffic by using the Amazon global network. [Learn more](#)

Create accelerator

**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.

No tags associated with the resource.

Add new tag

You can add up to 50 more tag

Cancel **Allocate**

## 7. Now your Elastic IP address is allocated successfully. Now click on **Associate this Elastic IP address**.

Elastic IP address allocated successfully.  
Elastic IP address 13.235.41.25

Associate this Elastic IP address

Elastic IP addresses (1)

Filter Elastic IP addresses

Public IPv4 address: 13.235.41.25

Clear filters

	Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS
<input type="checkbox"/>	-	13.235.41.25	Public IP	eipalloc-0fb4a44ca98203a2b	-

## 8. Set the **Resource type** as **Instance**. After that select the **Instance** you have created.

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

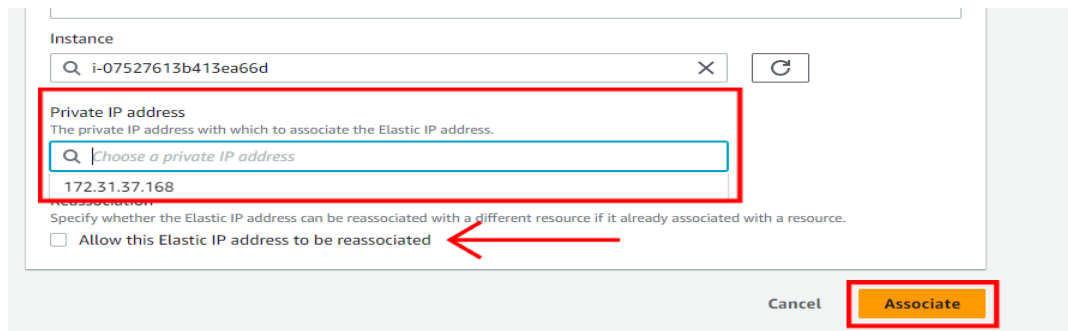
Choose an instance

i-07527613b413ea66d (Dip12) - running

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

Choose a private IP address

9. After that select the **Private IP address** and click the **check box**. Now click on **Associate**.



The screenshot shows the 'Associate Elastic IP address' dialog box in the AWS Management Console. At the top, the 'Instance' dropdown is set to 'i-07527613b413ea66d'. Below this, the 'Private IP address' section is highlighted with a red box; it contains a search bar with the placeholder 'Choose a private IP address' and the selected address '172.31.37.168'. Below the search bar, the checkbox 'Allow this Elastic IP address to be reassociated' is checked, also highlighted with a red box and an arrow. At the bottom right, the 'Associate' button is highlighted with a red box. A 'Cancel' button is located to its left.

10. Now stop the instance and start it again and you can see the IP does not change and remains the same.



The screenshot shows the 'Instance summary' page for instance 'i-07527613b413ea66d (Dip12)'. The instance state is 'Running'. The 'Public IPv4 address' is '13.235.41.25', which is highlighted with a red box. The 'Private IPv4 addresses' section shows '172.31.37.168'. The 'Public IPv4 DNS' is 'ec2-13-235-41-25.ap-south-1.compute.amazonaws.com'. The 'Private IP DNS name (IPv4 only)' is 'ip-172-31-37-168.ap-south-1.compute.amazonaws.com'.