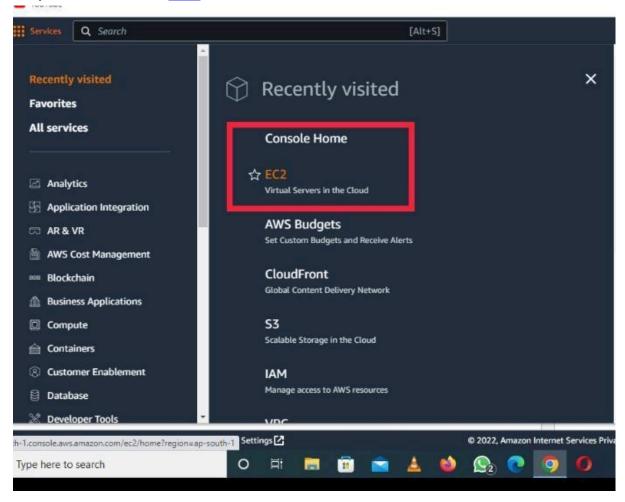
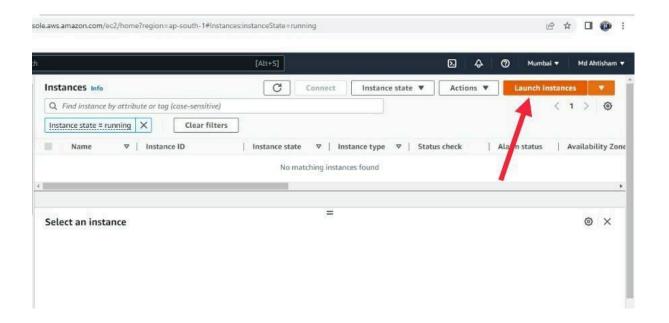
## 8. Perform an experiment to allocate a new Elastic IP to an EC2 instance

Step 1: Click on All services.

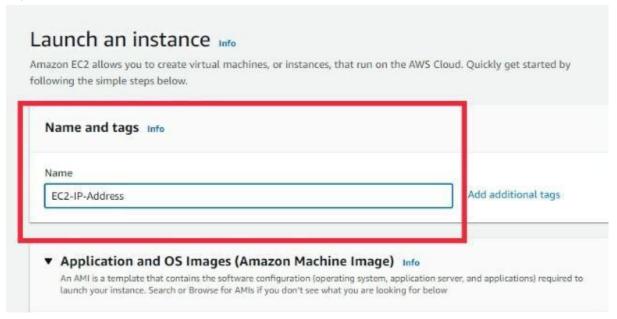
Step 2: Click on the EC2.



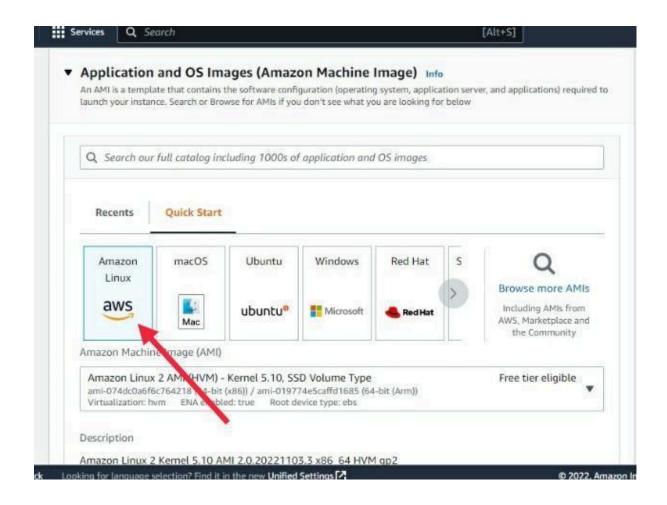
**Step 3:** Click on the Launch Instances.



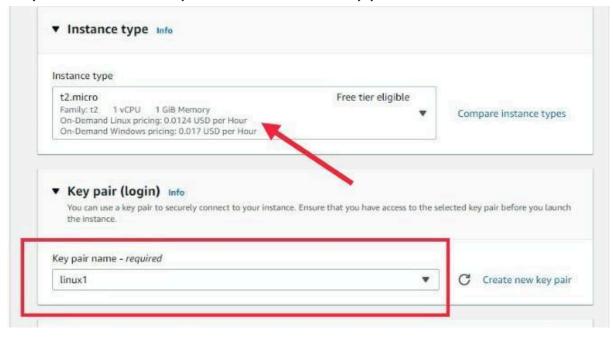
**Step 4:** Give the EC2 instance **name** or **tag** -> "EC2-IP-Address" is name in my case.



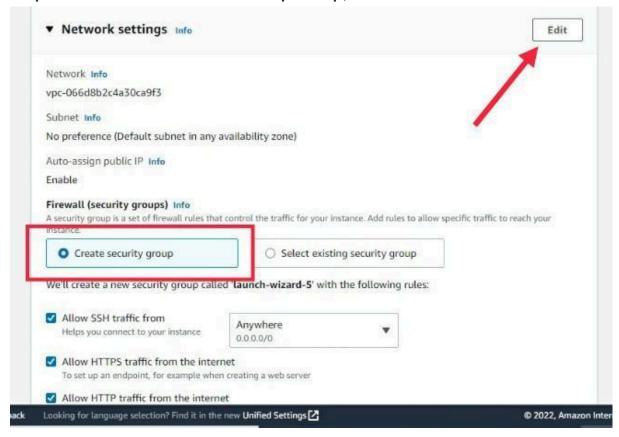
Step 5: Choose Amazon Machine Image for your instance.



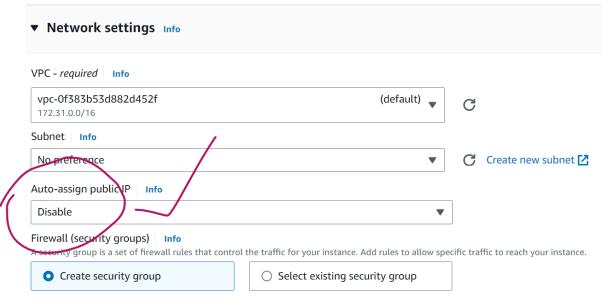
- Step 6: Choose an Instance type.
- Step 7: Choose the Key Pair or Create the Key pair.



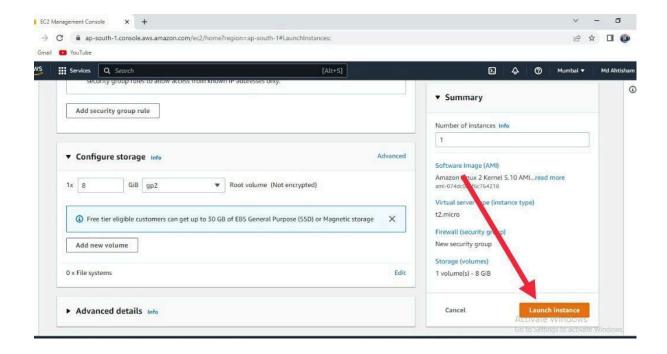
Step 8: Click on the Create Security Group, then Click on the EDIT button.



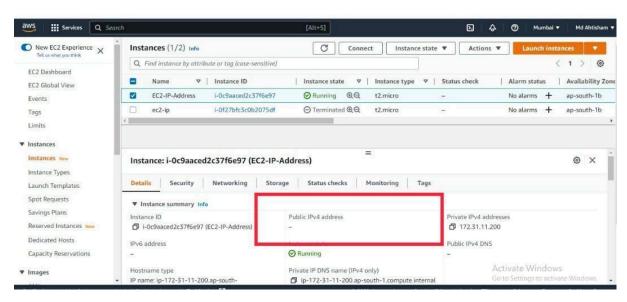
Step 9: Must be Disable the Auto Assign public IP.



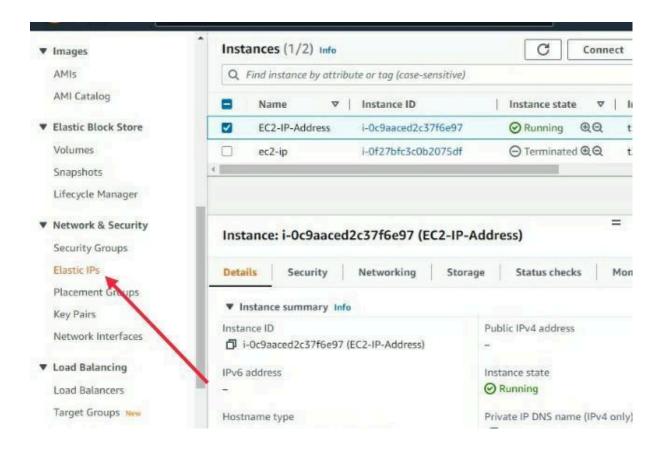
**Step 10:** Click on the **Launch Instance** button.



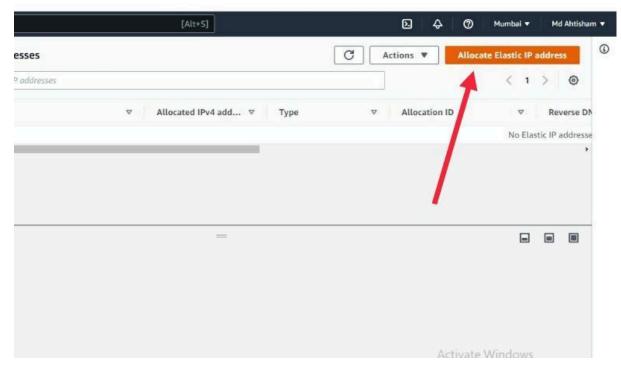
Now you can see the Public IPv4 is not assigned. Now it's time to manually configure the IP-Address



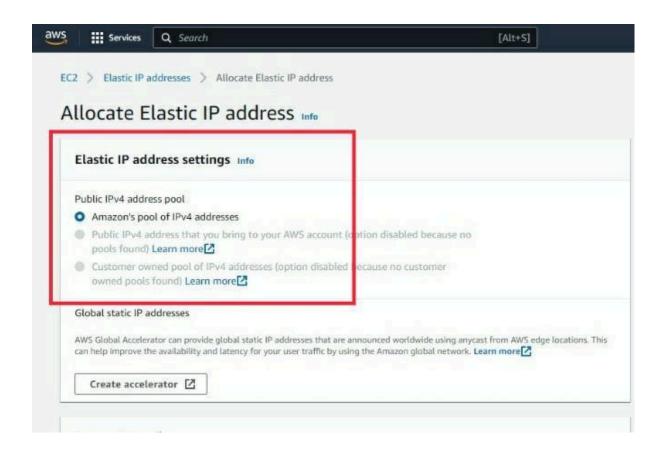
Step 11: Scroll down and Click on the Elastic IPs.



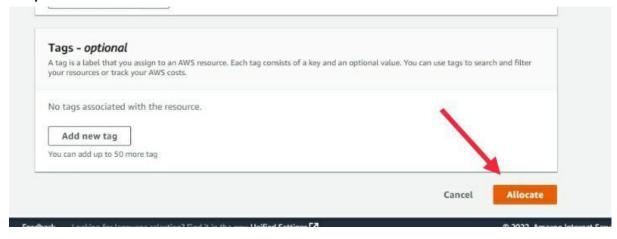
Step 12: Click on the Allocate Elastic IP Address.



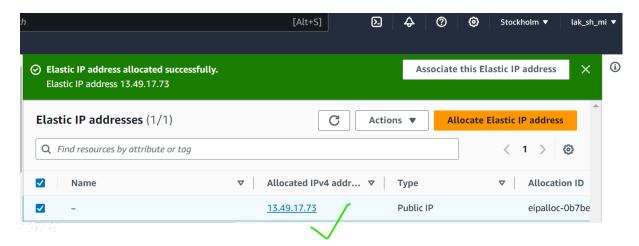
Elastic IP Address setting – Default setting.



Step 13: Click on the Allocate.



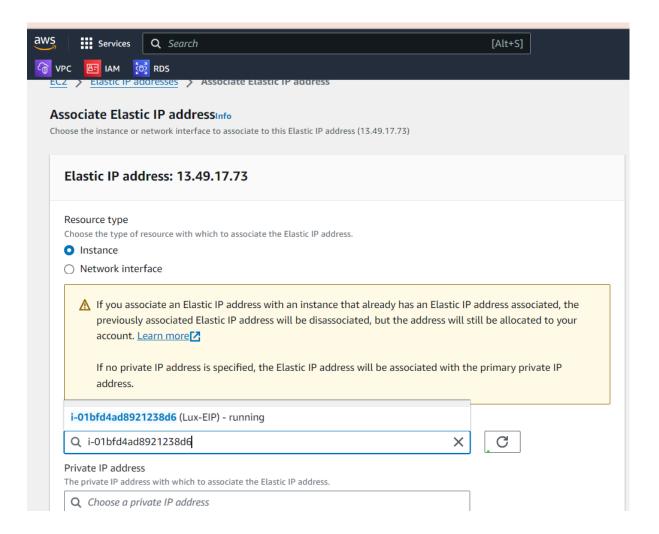
**Step 14:** Click on the **IP Address**, you will see the **Allocated IP Address** 13.49.17.73.



**Step 15:** Select the IP-Address -> Click on the **Action**, then select the **Associate Elastic IP Address**.

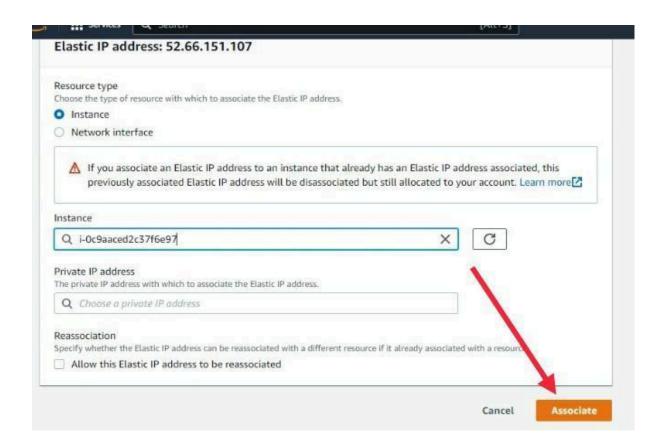
## **Ntnote** Elastic IP address allocated successfully. Elastic IP address 52.66.151.107 Associate this Elastic IP address Elastic IP addresses (1/1) C Actions A Allocate Elasti IP address View details Q Filter Elastic IP addresses Release Elastic IP addresses Public IPv4 address: 52.66.151.107 X Clear filters Associate Elastic IP address Disassociate Elastic IP address Name Allocated IPv4 add... ▽ Reverse DN Type Update reverse DNS Public IP V Enable transfers Disable transfers Accept transfers 52.66.151.107 Summary Summary Activate Windows 13.49.17.73 $\checkmark$

Note down the IP Address in observation notebook, for later reference.

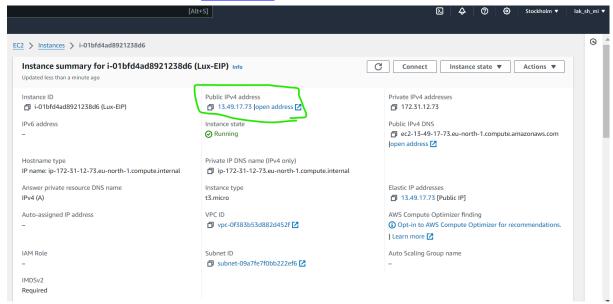


Associate Elastic IP Address -> Instance - **Choose an instance** and Select the instance where you wants to allocate IP Address.

Step 16: Click on the Associate Button

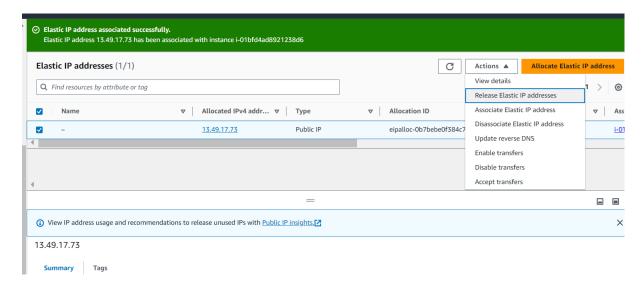


**Step 17:** Go to the Instance and Select the **Instance** and now you can see the **Public IPv4 Address** 13.49.17.73.



Step 18: (important step – Don't skip) After taking screenshot of the "Public IPV4 address), ie the IP address you were able to get, you may release the IP and delete the instance.

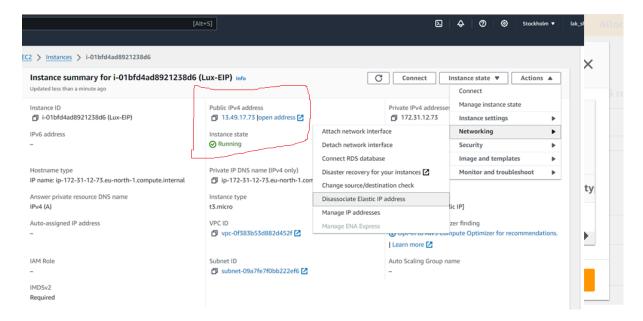
18->a) go to release Elastic IP Addresses, it will give a message that the same is associated with an instance



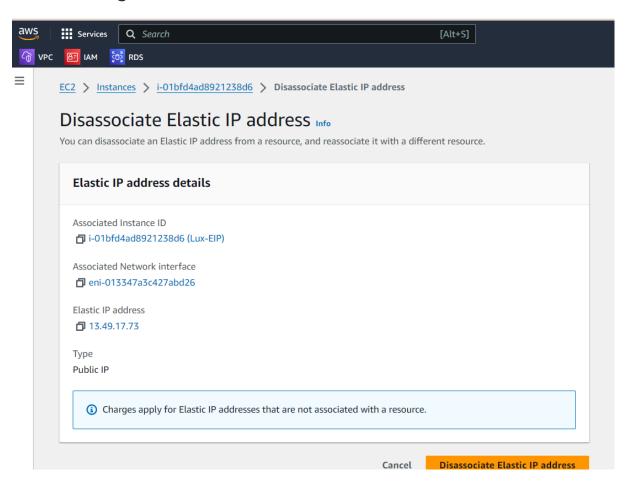
18-b)Observe this error that it cannot release the IDs.



18-> c) Go to Instance in the navigation pan, and invoke the Instance state -> Networking



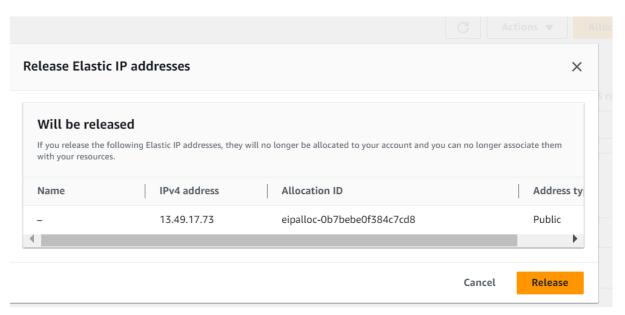
- TAKE A SCREENSHOT OF THIS in your CONSOLE AND SAVE IT in your GOOGLE Drive FOR OBSERVATION and to WRITE THIS IN YOUR NOTEBOOK(RECORD)
- 18-> d) Go to Instance in the navigation pan, and invoke the Instance state -> Networking-> Disassociate Elastic IP address



18-> e) Go to Instance in the navigation pan, and invoke the Instance state -> Networking-> Disassociate Elastic IP address -> Press Disassociate

Disassociate Elastic IP addre	ess	×
Are you sure that you want to disasso	ociate this Elastic IP address?	
Elastic IP address		
<b>1</b> 13.49.17.73		
To confirm disassociation, enter proce	eed in the field.	
proceed		
	Cancel	Disassociate

18-> f) Release Elastic IP addresses by pressing the "Release" button.



## 19-> Additional task.

Interested to have insights click on the VPC IP Manager to see any "Public IP Insights"

If you find any IP which you don't want to pay for you have to repeat step 18.