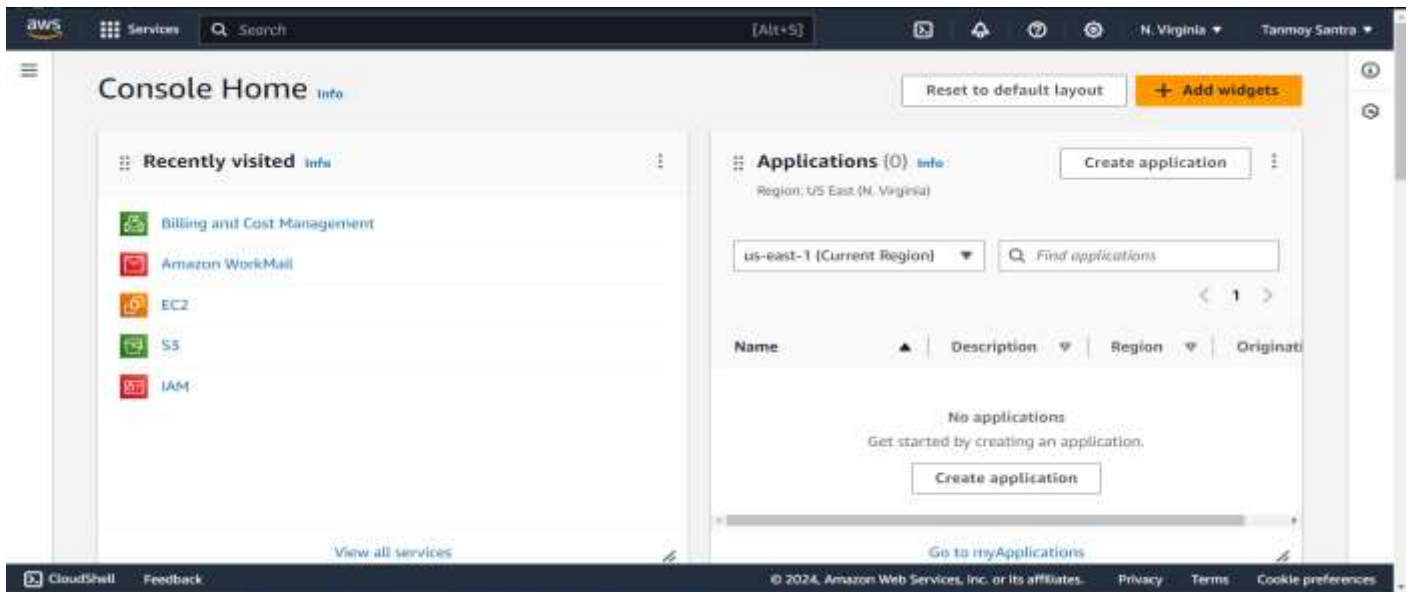


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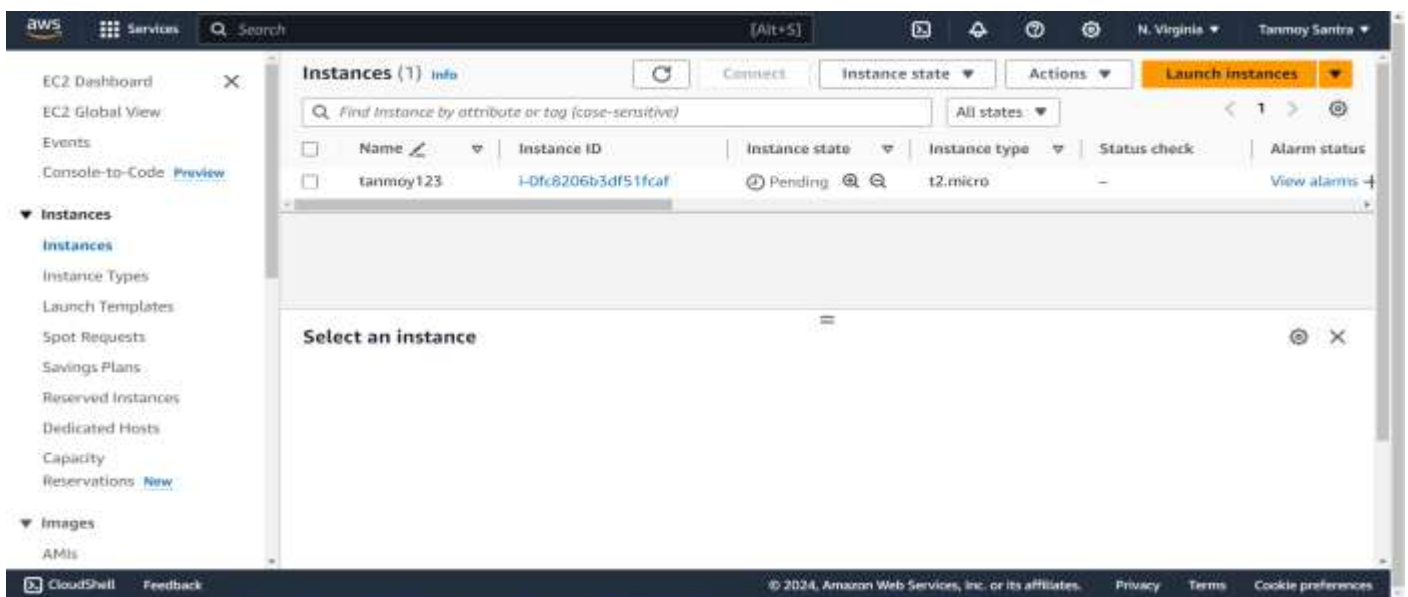
PROBLEM STATEMENT -Create an Elastic IP for an Instance.

To Create Elastic IP for an Instance -

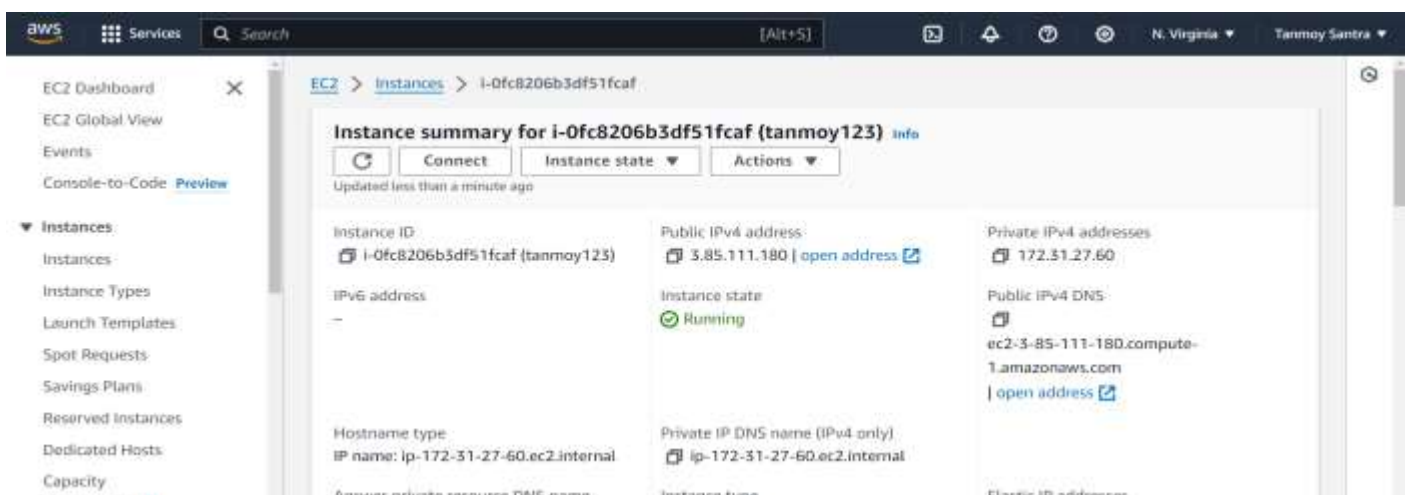
STEP 1- Go to EC2.



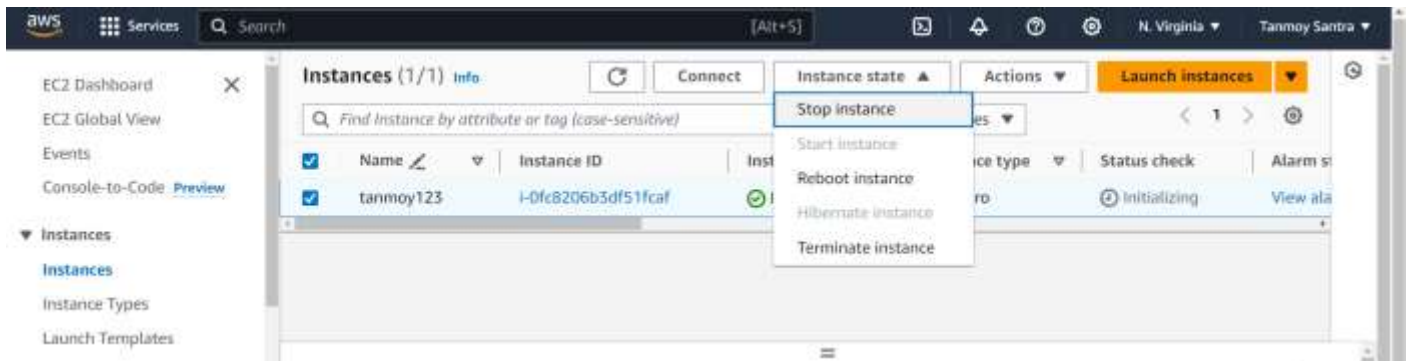
STEP 2- Go to Instances. If no instance , then create it



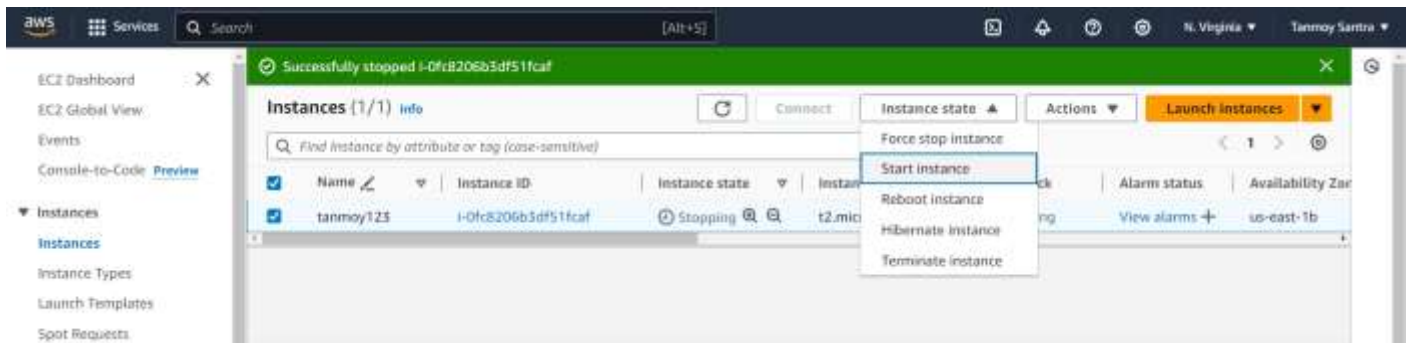
STEP 3- Select an instance and save its Public IPv4 address.



STEP 4- Stop the Instance from Stop Instance option.



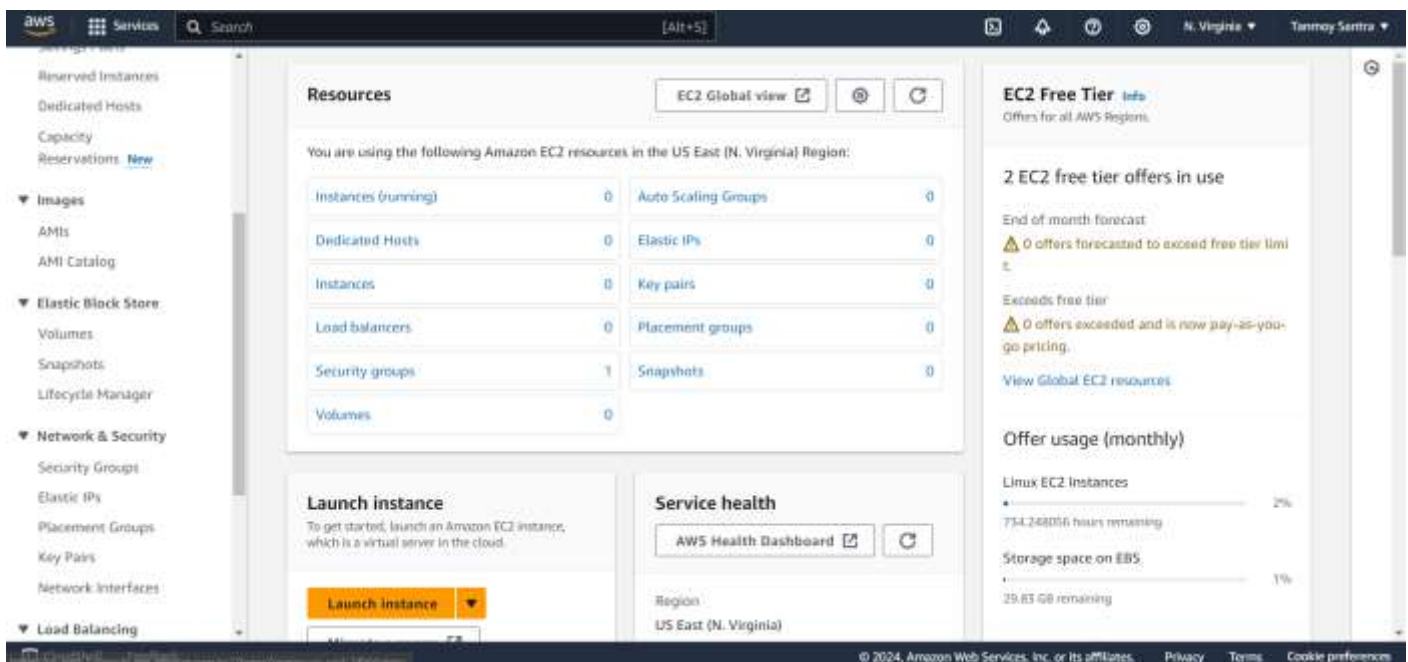
STEP 5- Select the Start Instance option to again activate the instance.



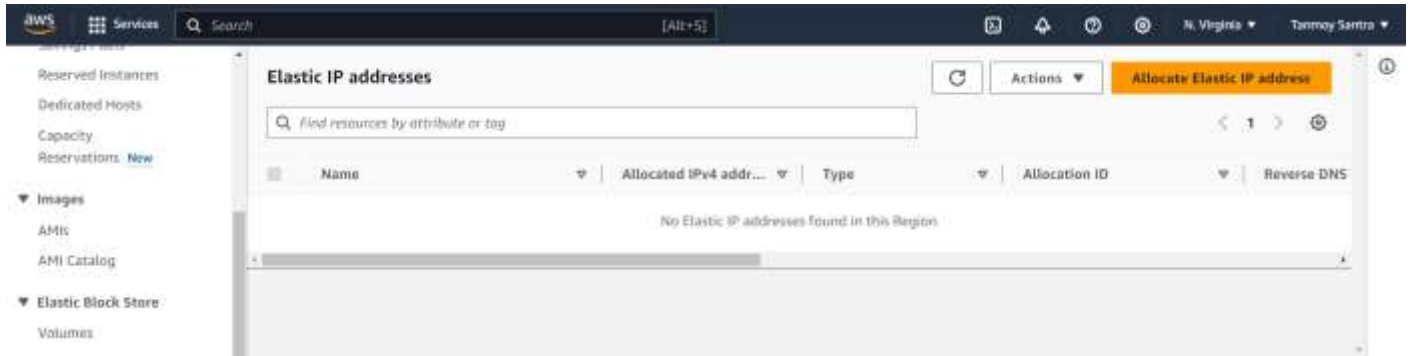
STEP 6- Now again save the Public IPv4 address compare it with the previous IP.



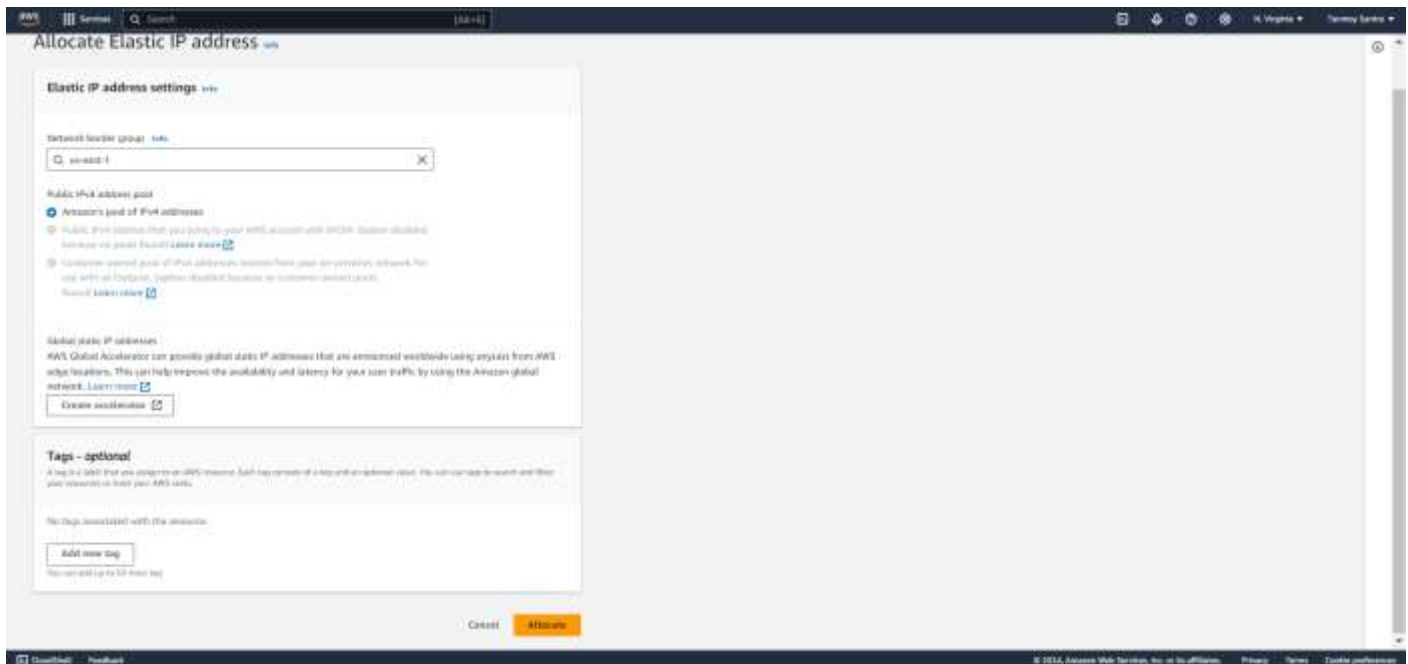
STEP 7- Go to the Elastic IPs option.



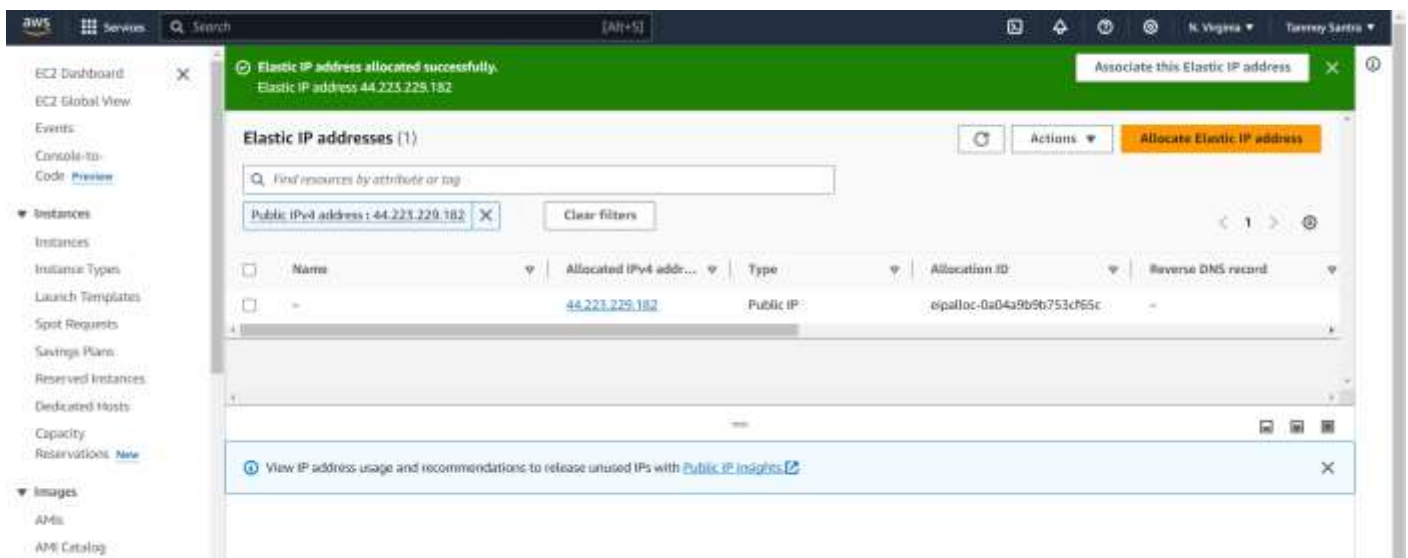
STEP 8-Click on Allocate Elastic IP button.



STEP 9- Click on “Allocate”.



STEP 10- The Elastic IP has been created. Click on the IP to open it.



STEP 11- Click on Associate Elastic IP Address.

The screenshot shows the AWS Elastic IP address console. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Console-to-Code, and various EC2 resources like Instances, Images, and Elastic Block Store. The main content area displays the details for the Elastic IP address 44.223.229.182. At the top, there is a breadcrumb trail: EC2 > Elastic IP addresses > 44.223.229.182. Below the IP address, there is a 'Summary' section with a table of attributes:

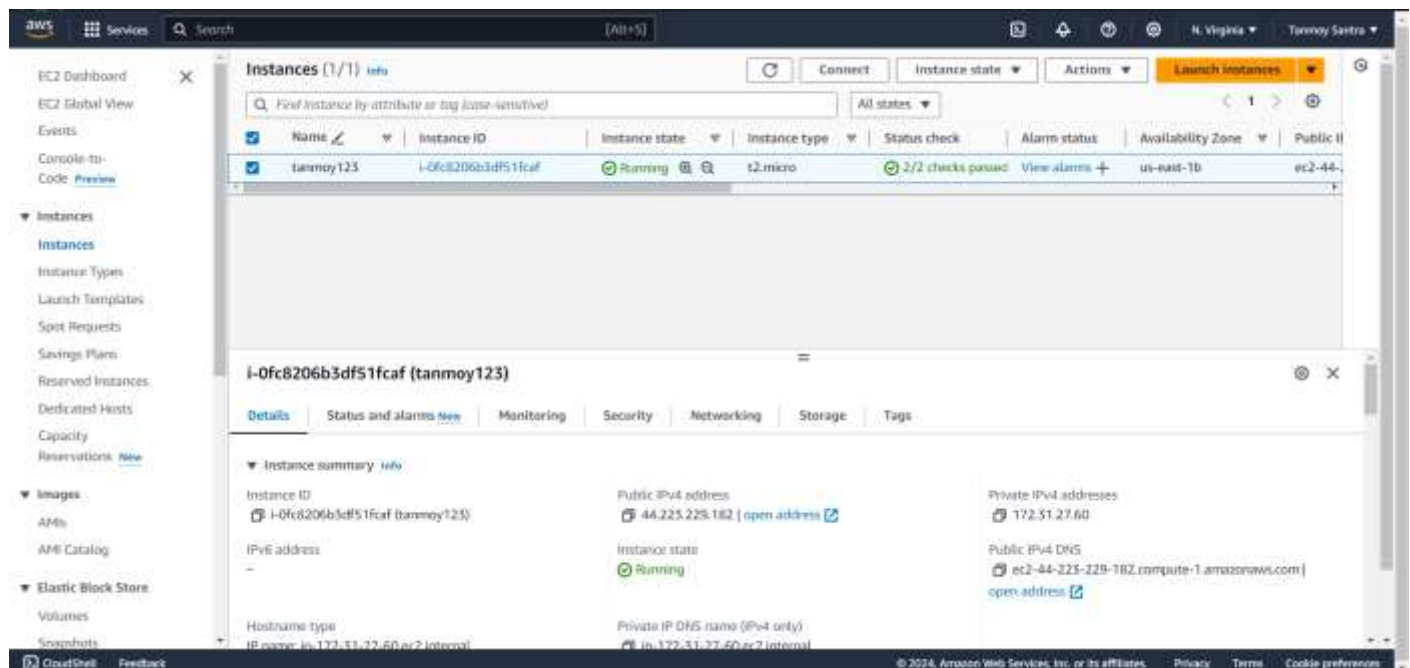
Attribute	Value
Allocated IPv4 address	44.223.229.182
Type	Public IP
Allocation ID	epuwl0c-0a04e9b9b755cf65c
Reverse DNS record	—
Association ID	—
Scope	VPC
Associated instance ID	—
Private IP address	—
Network interface ID	—
Network interface owner account ID	—
Public DNS	—
NAT Gateway ID	—
Address pool	Amazon
Network border group	us-east-1

Below the summary, there is a 'Tags(0)' section with a 'Manage tags' button. At the bottom, it states 'No tags associated with this resource'.

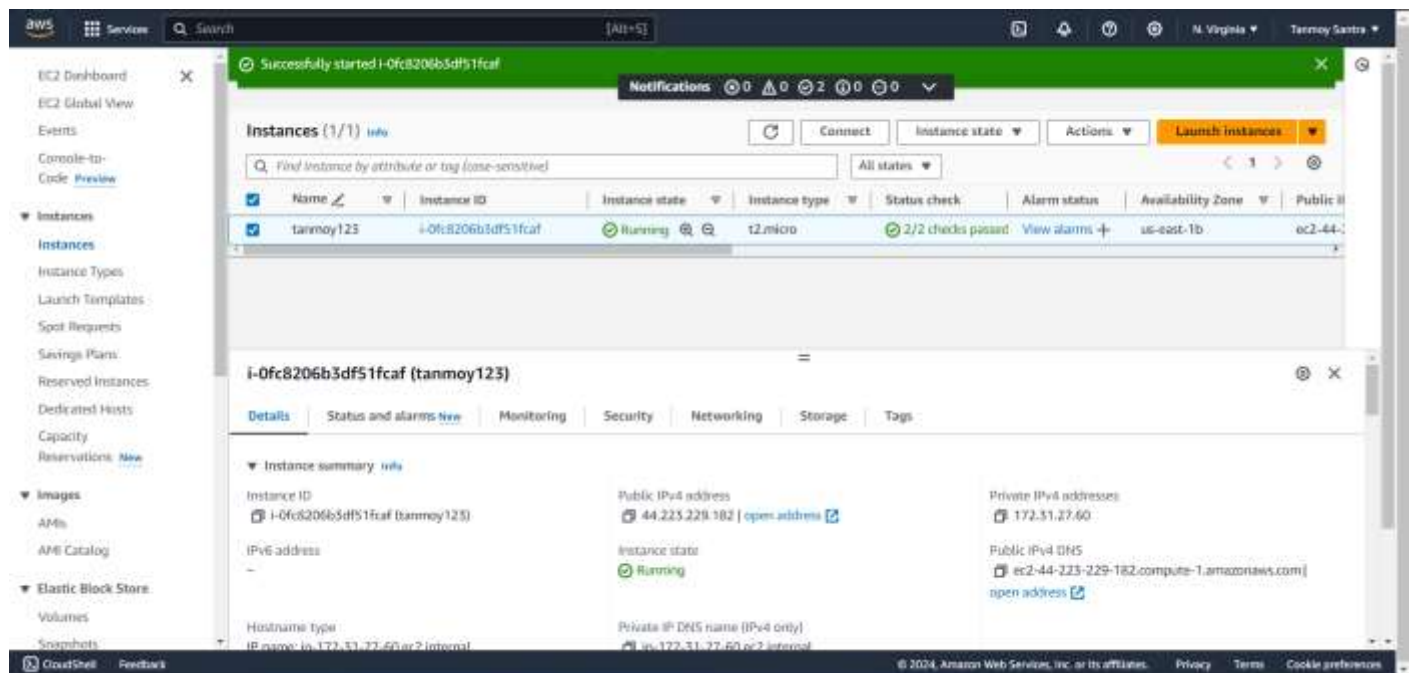
STEP 12- With resource type selected as “Instance”, select the name of the instance & its private IP address. Check the bottom checkbox to reassociate the Elastic IP. Then click on “Associate”.

The screenshot shows the 'Associate Elastic IP address' dialog box in the AWS console. The dialog has a title bar 'Elastic IP address: 44.223.229.182'. Inside, there is a 'Resource type' section with two radio buttons: 'Instance' (selected) and 'Network interface'. Below this, there is a warning box that reads: '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](#)'. Below the warning, there is a section for 'Instance' with a text input field containing 'i-0fc8206b5df51fcdf' and a 'Private IP address' section with a text input field containing '172.31.27.60'. At the bottom, there is a 'Reassociation' section with a checkbox labeled 'Allow this Elastic IP address to be reassociated' which is checked. The dialog has 'Cancel' and 'Associate' buttons at the bottom right.

STEP 13- Now again save the Public IPv4 address, then stop the instance.



STEP 14- Restart the instance.



After restarting, again save the IP address and compare it with the previous one.

Now it is observed that the IP Address does not change.