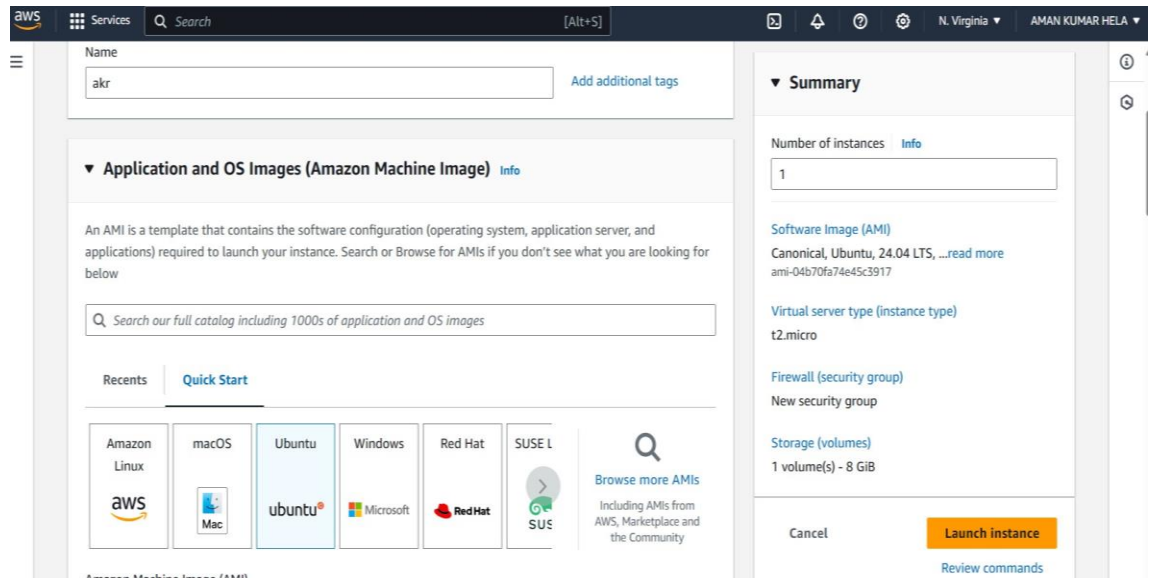


Assignment-14:

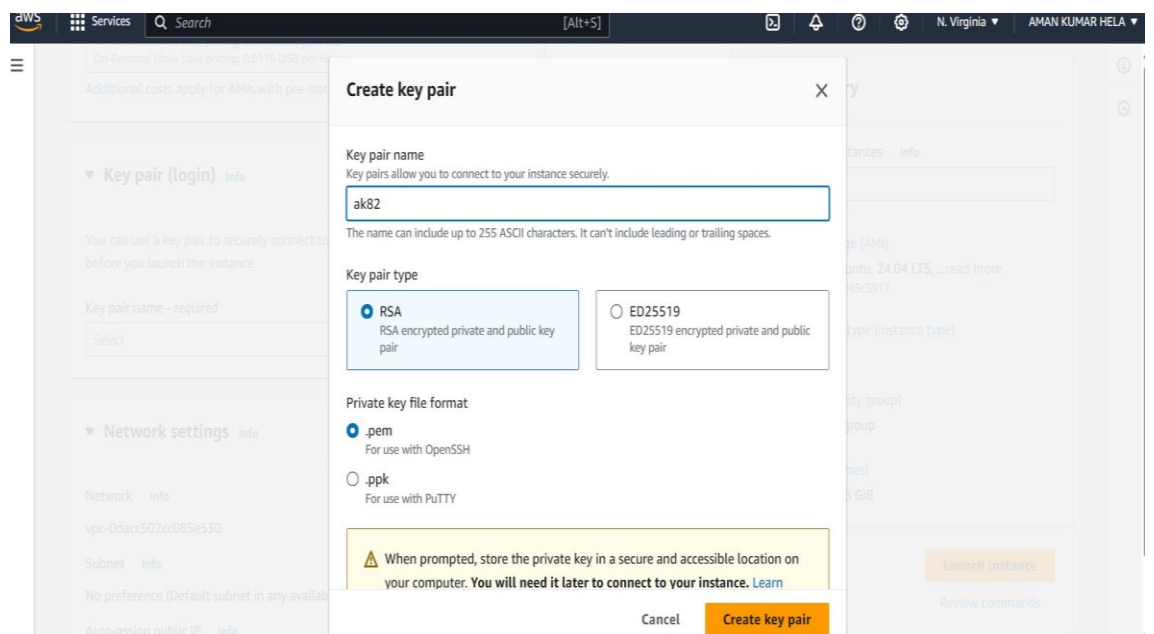
Create an Elastic IP for an Instance.

Steps:

- Click on Launch Instance and then give name of instance and then select Ubuntu.



- Now create key pair for it.



- Under Create security group select all SSH, HTTP, HTTPS options.

Additional charges apply when outside of free tier allowance

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group ☐ Select existing security group

We'll create a new security group called 'launch-wizard-2' with the following rules:

- ☒ Allow SSH traffic from Anywhere
0.0.0.0/0
Helps you connect to your instance
- ☒ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server
- ☒ Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

▼ [Configure storage](#) [Info](#) [Advanced](#)

Summary

Number of instances [Info](#)
1

Software image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...[read more](#)
ami-04b70fa74e45c3917

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Cancel **Launch instance**

- Now copy now public IPv4 address in notepad.

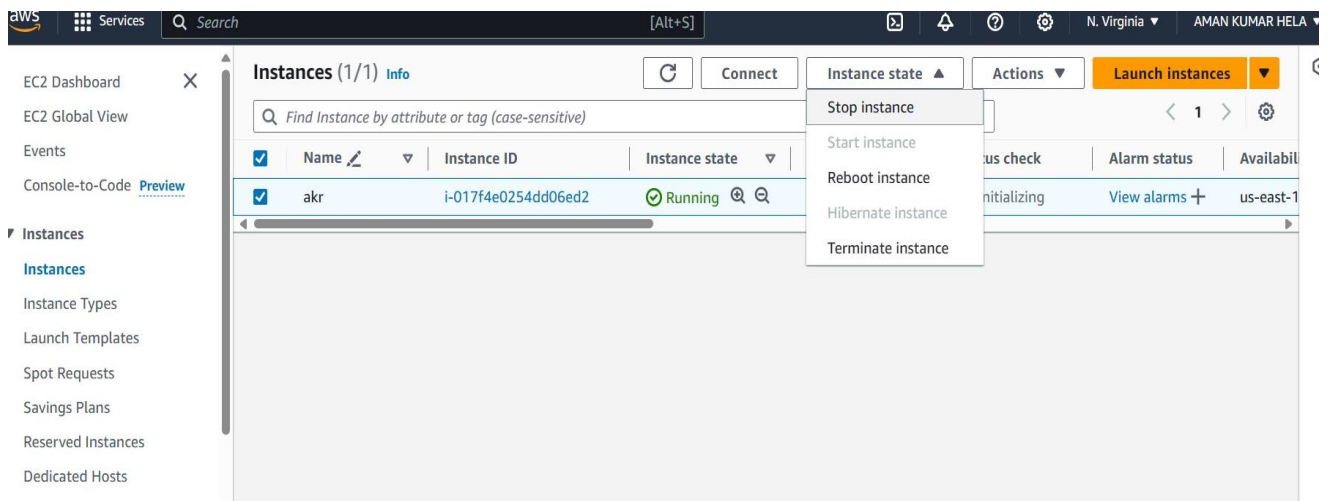
File Edit View

52.91.222.74\$

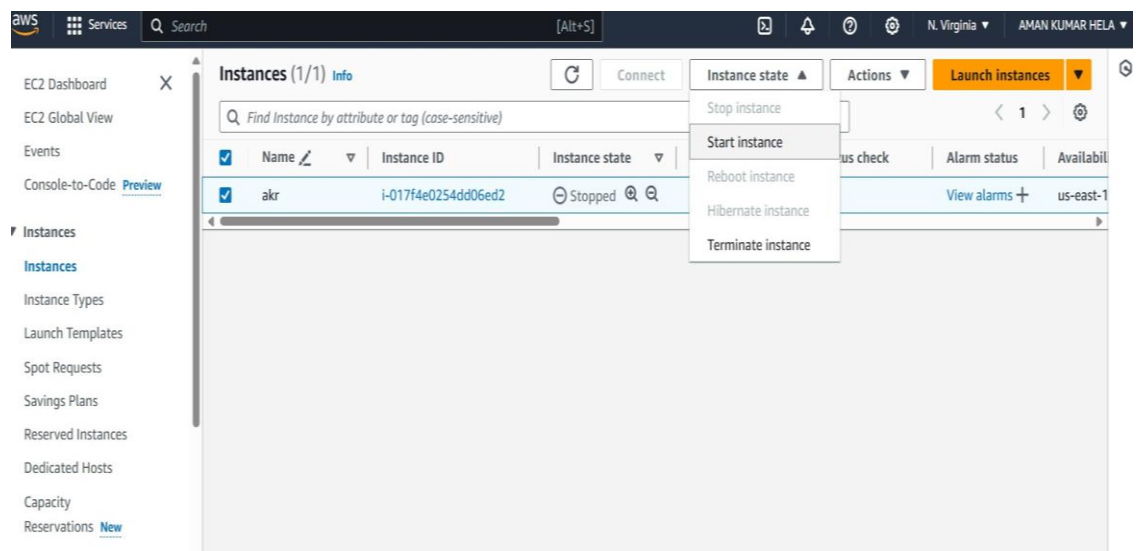
Ln 1, Col 14 13 characters 100% Windows (CRLF) UTF-8

Auto-assigned IP address	VPC ID	AWS Compute Optimizer finding
52.91.222.74 [Public IP]	vpc-0dacc502cc085e530	Opt-in to AWS Compute Optimizer for recommendations

- Now stop that created instance.



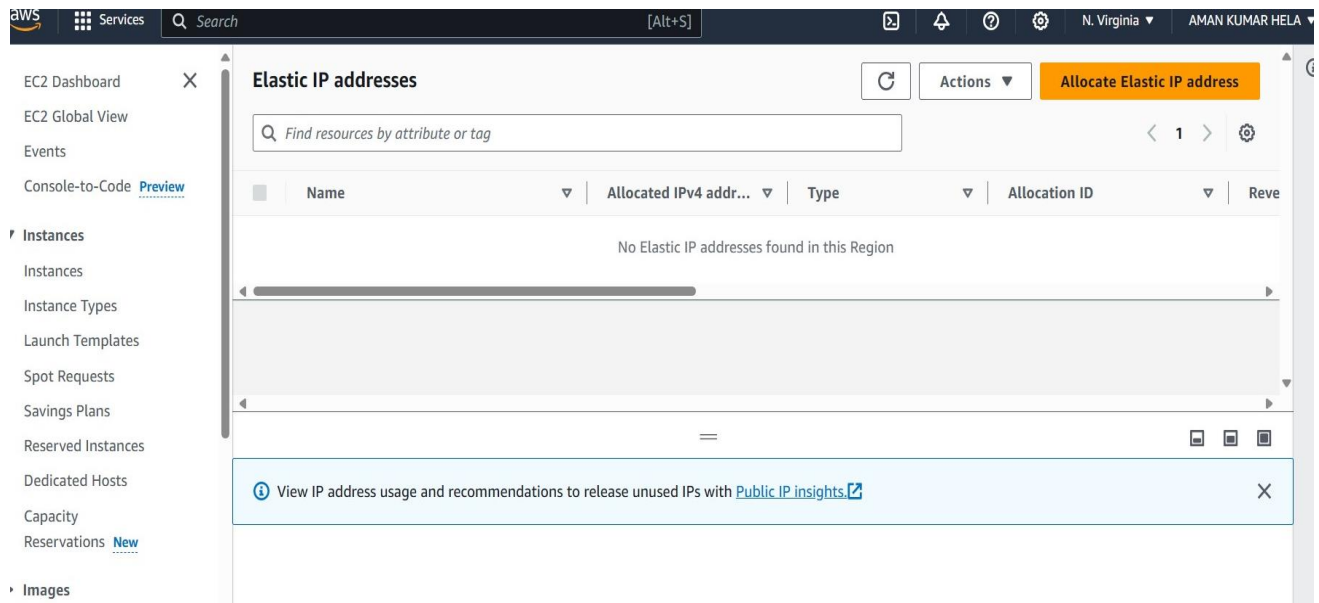
- Now again start that stopped instance.



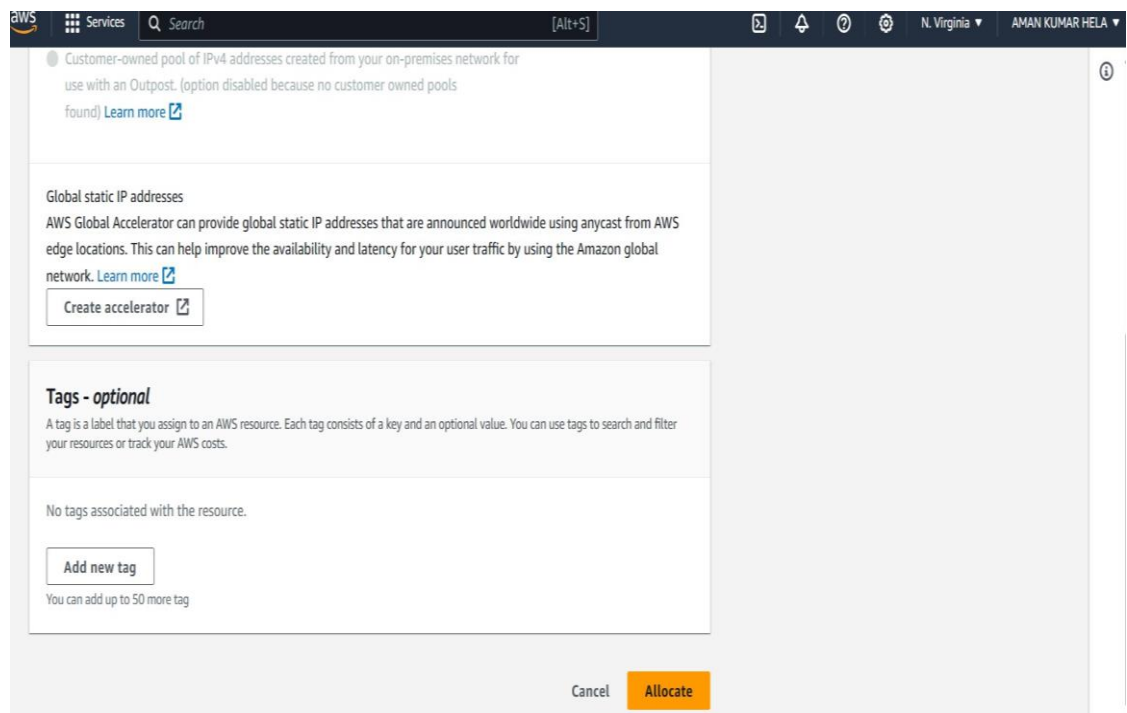
- After it again copy that public IPv4 address in notepad and here you can see that IPv4 address changed as it fetches new one from AWS pool of IPv4 address.



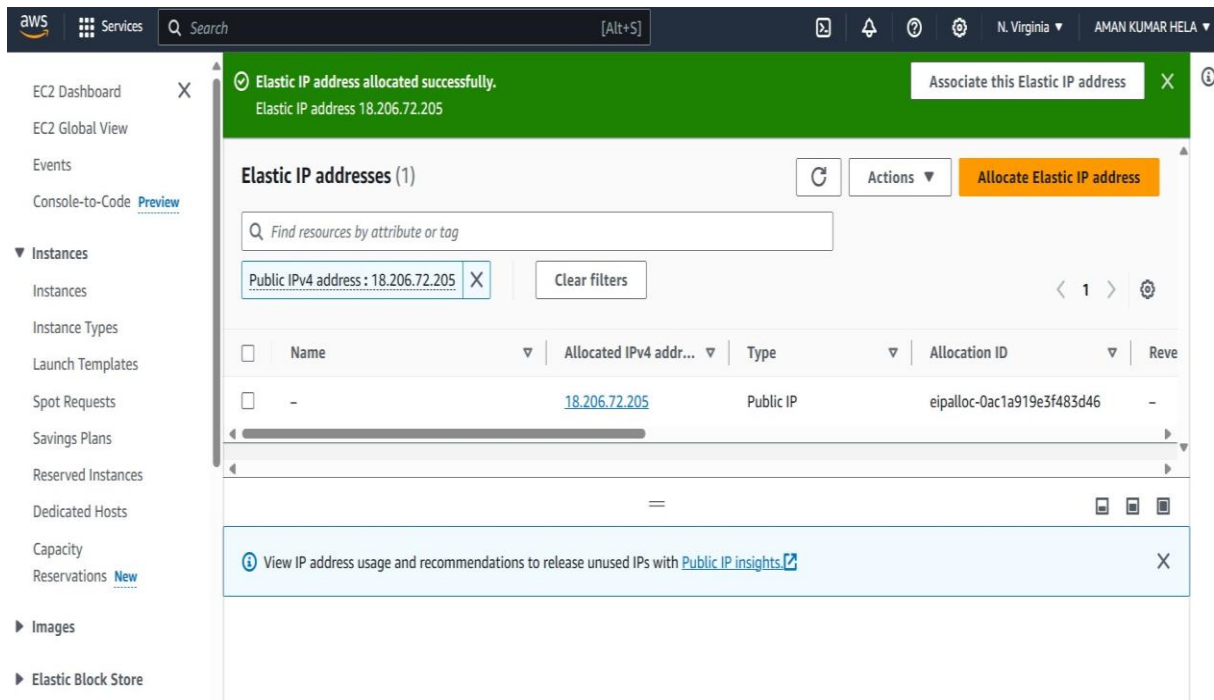
- So not to change ip address go for elastic ip ,so go to Elastic IPs in Network & Security group and click on Allocate Elastic IP address.



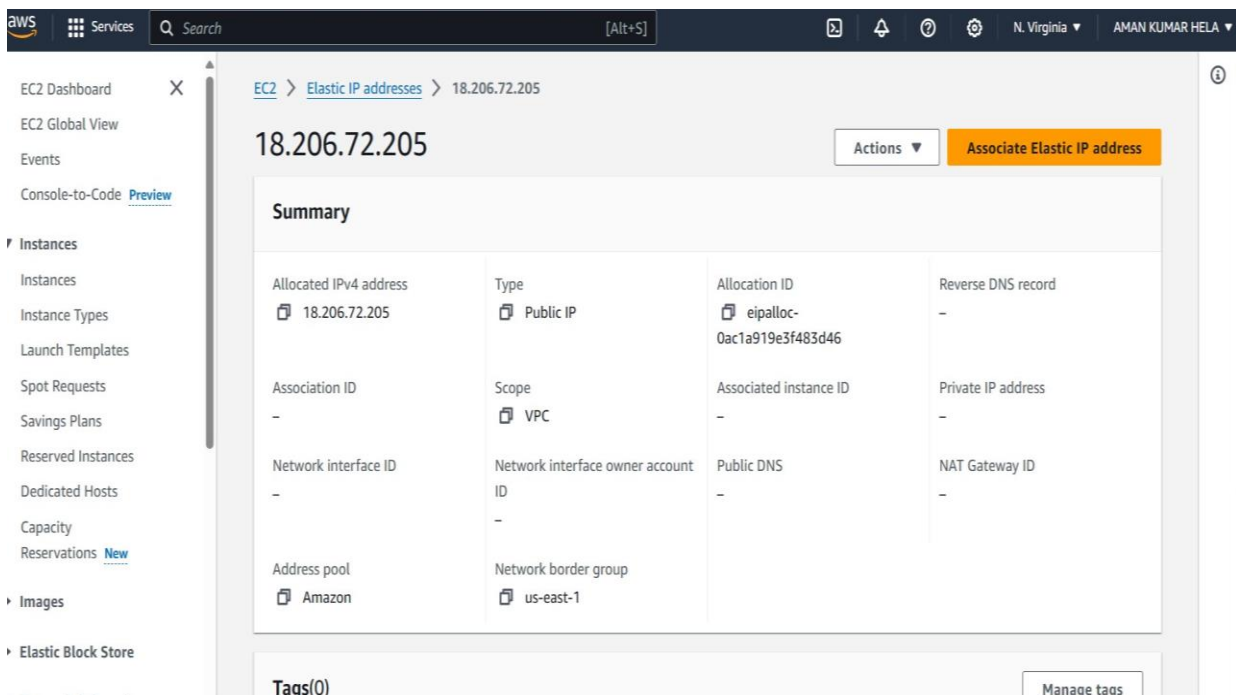
- Now click on Allocate.



- After it click on Allocate IPv4 address.



- Here now click on Associate Elastic IP address.



- Select on instance and then click on Associate.

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

☒ Instance

☐ Network interface

Warning: 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.

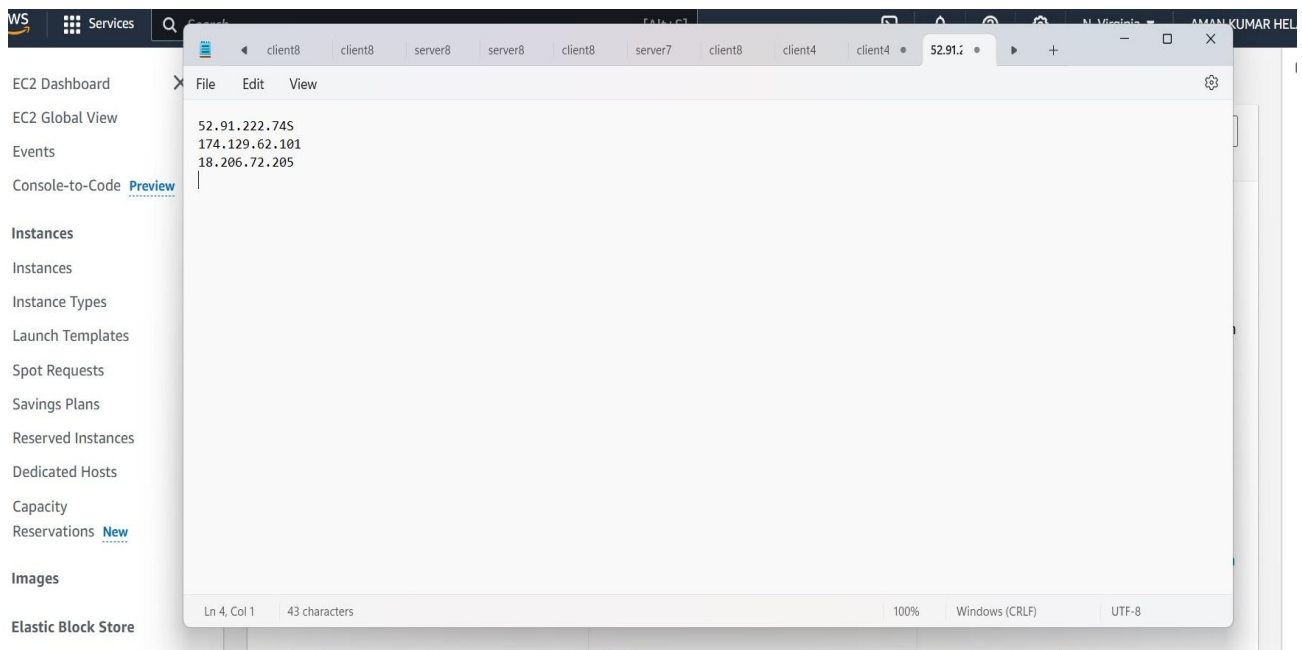
Instance:

Private IP address:

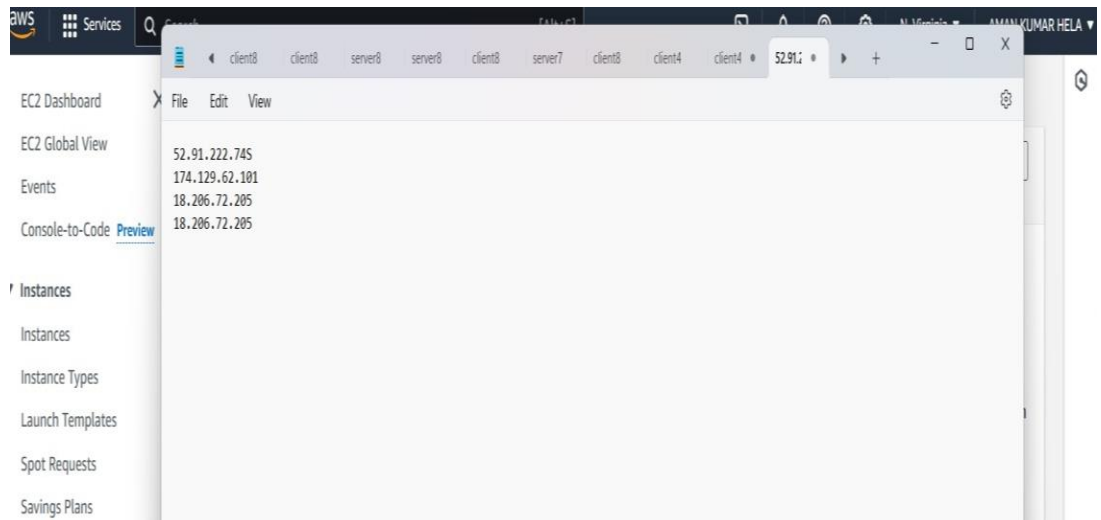
Reassociation: ☐ Allow this Elastic IP address to be reassociated

Cancel Associate

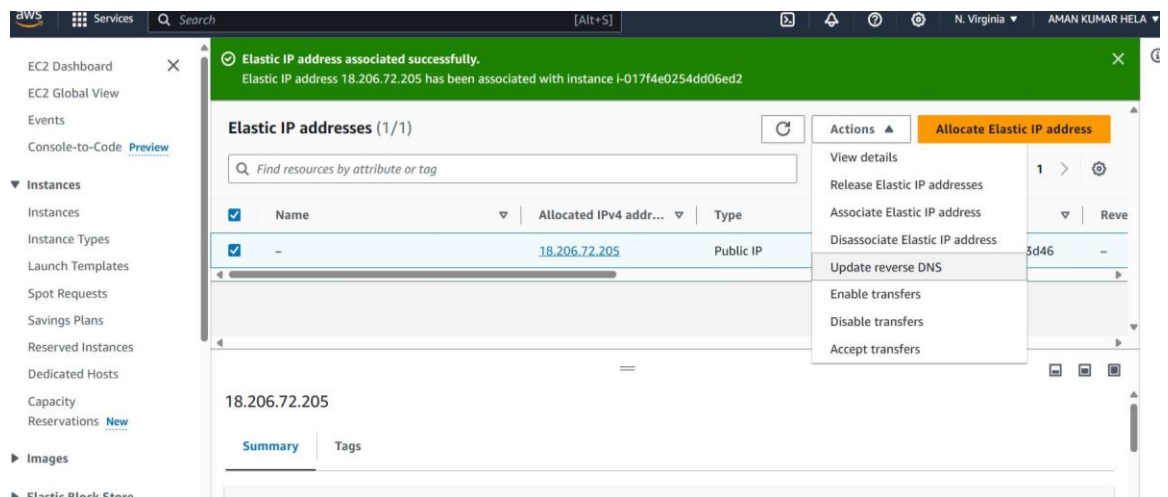
- Now go back to EC2 instance and then copy public and public IPv4 address and paste in notepad.



- Now stop and start instance again then paste that newly restarted instance public IPv4 address in notepad. You can see same IPv4. Both are 44.209.53.90.



- Now to delete elastic ip select that and click on Disassociate Elastic Ipv4 address.



- Click on Disassociate.

