AWS Documentation

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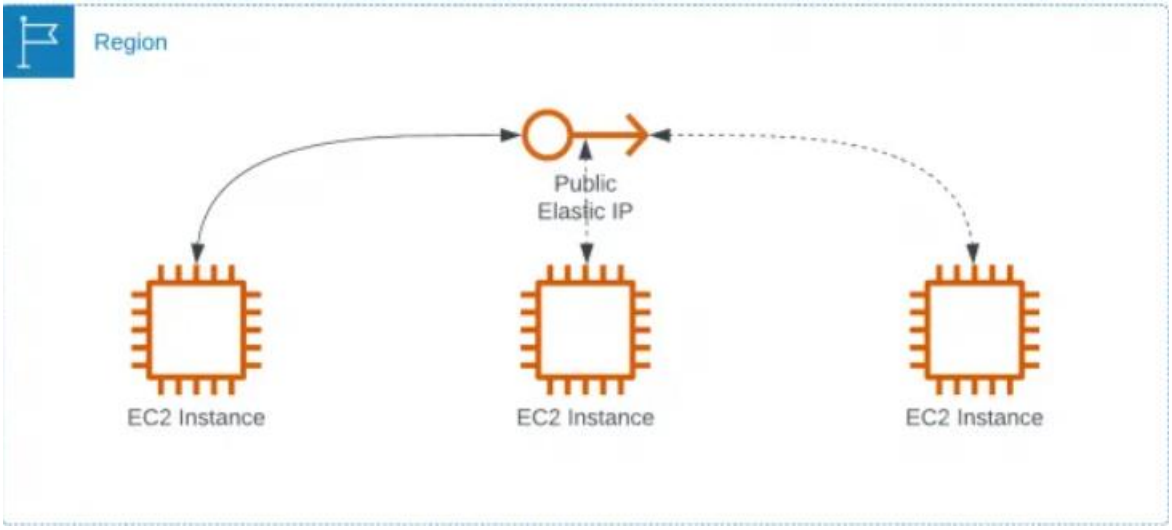
1.	**Elastic IP**

Elastic IP:-

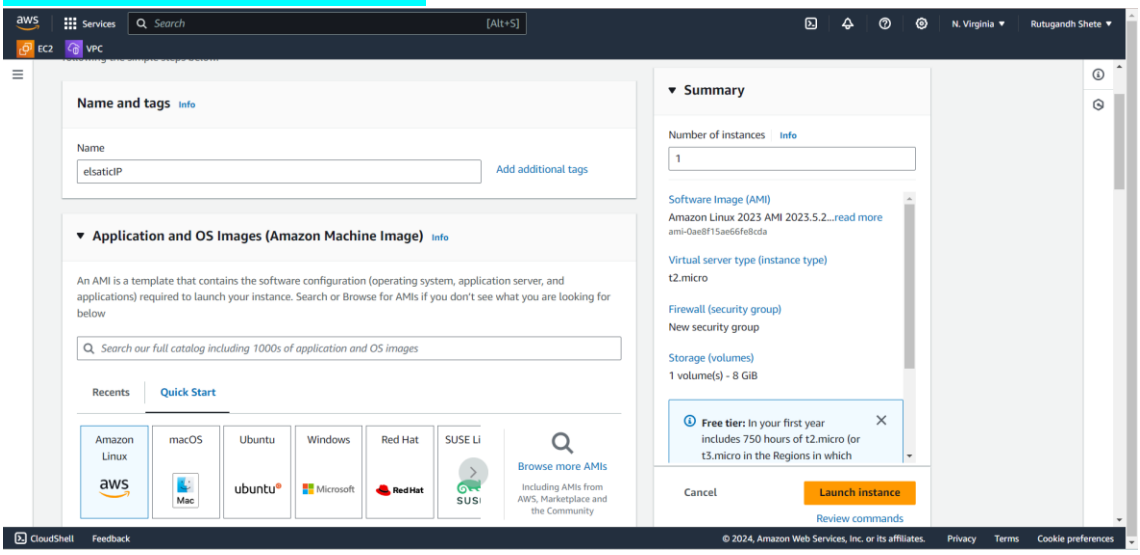
Introduction:

- An Elastic IP address is static; it does not change over time.
- An Elastic IP address is for use in a specific Region only, and cannot be moved to a different Region.
- An Elastic IP address comes from Amazon's pool of IPv4 addresses, or from a custom IPv4 address pool that you have brought to your AWS account. We do not support Elastic IP addresses for IPv6.
- To use an Elastic IP address, you first allocate one to your account, and then associate it with your instance or a network interface.
- When you associate an Elastic IP address with an instance, it is also associated with the instance's primary network interface. When you associate an Elastic IP address with a network interface that is attached to an instance, it is also associated with the instance.

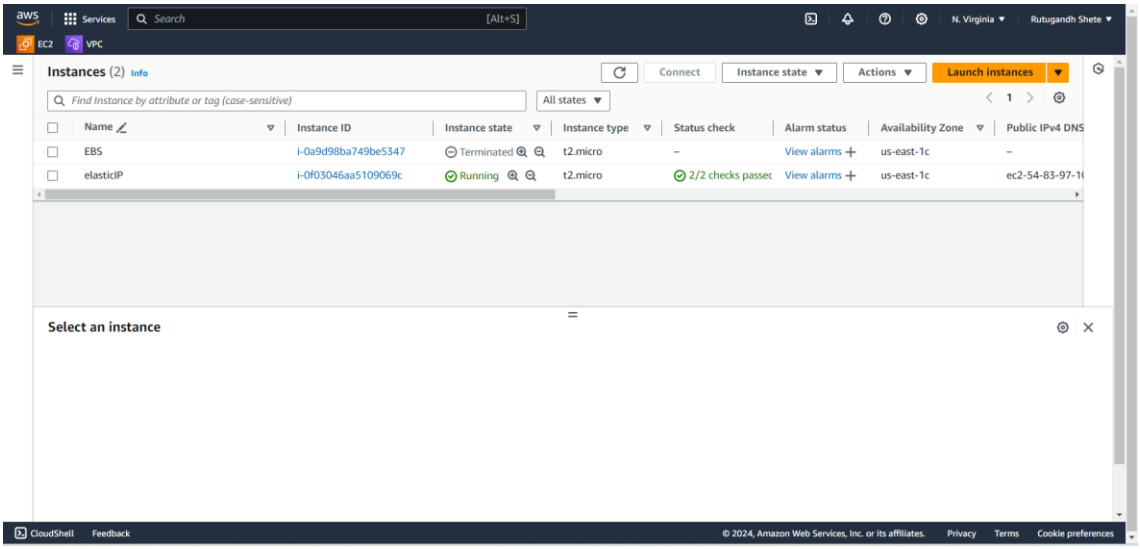


Steps:

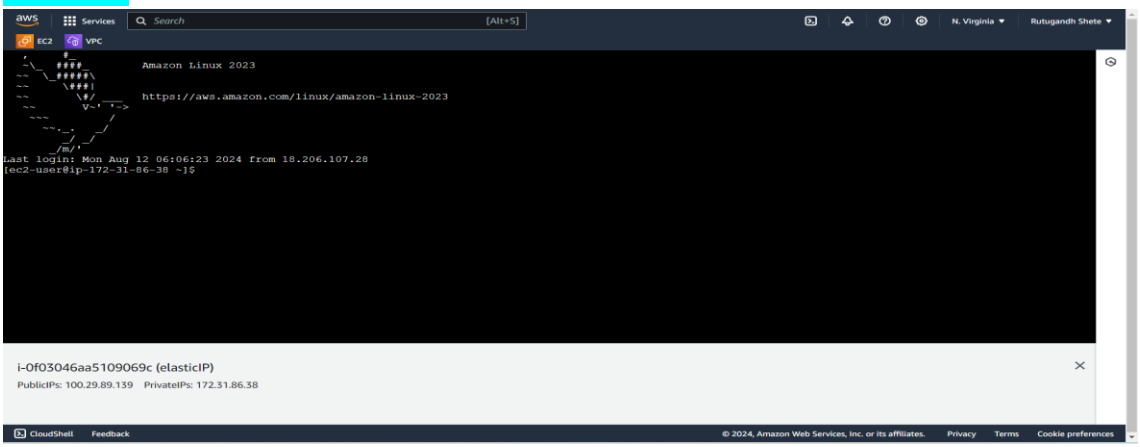
- Create EC2 as per normal procedure, while creating instance region should be taken into consideration.



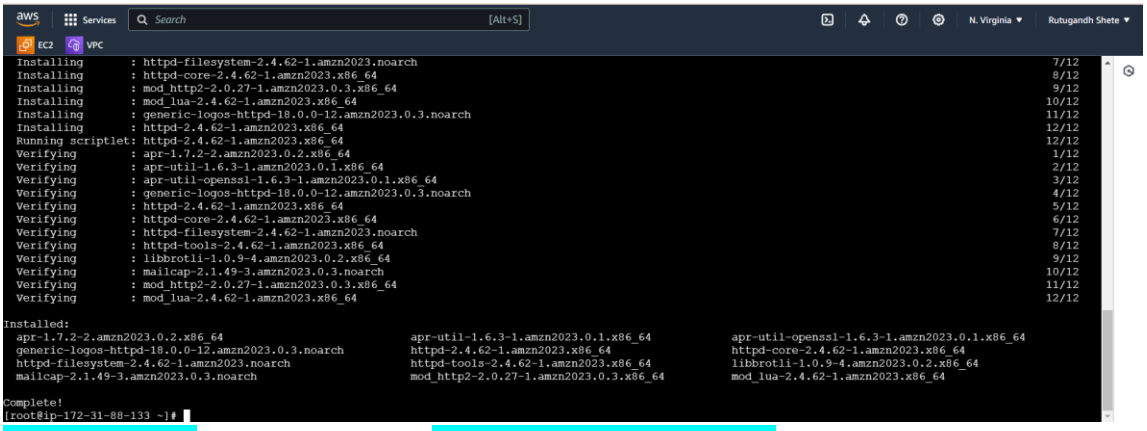
- After creation of ec2 instance.



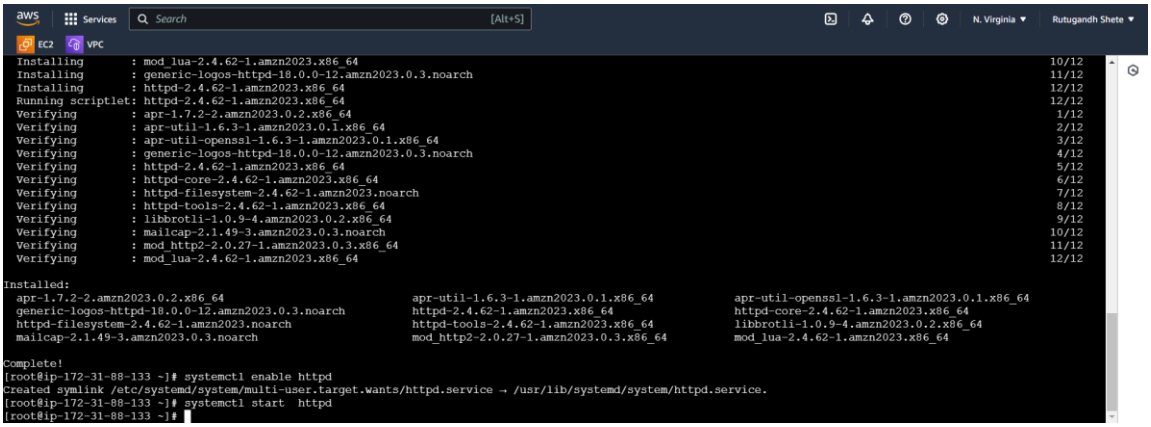
- Connect instance to terminal.



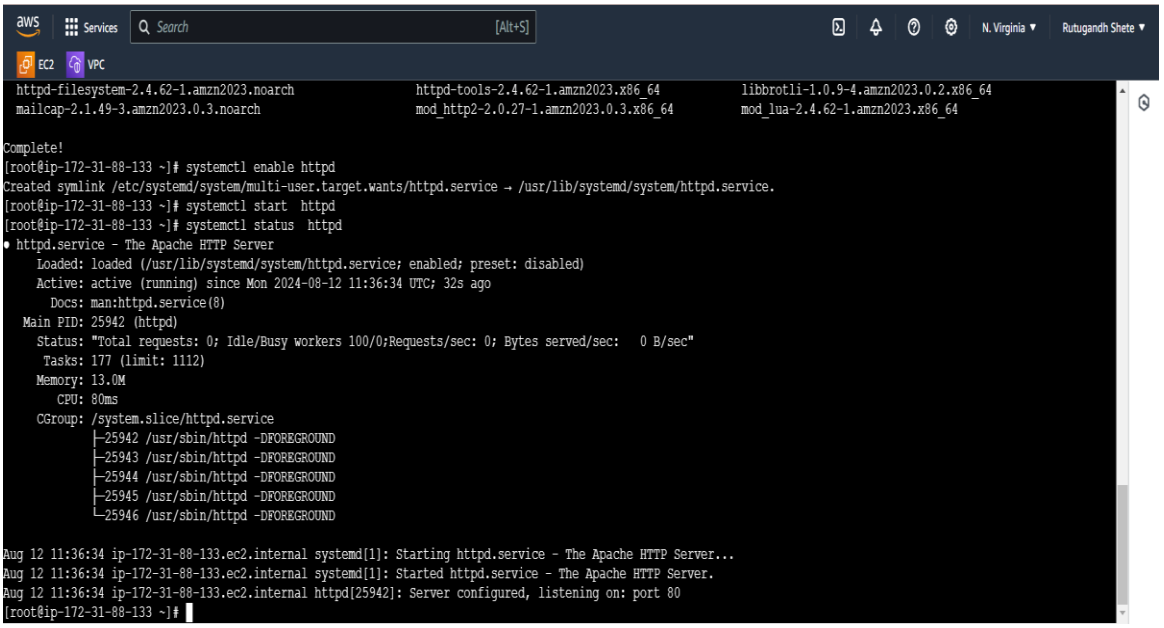
- Install “httpd service” using command “yum install httpd”.



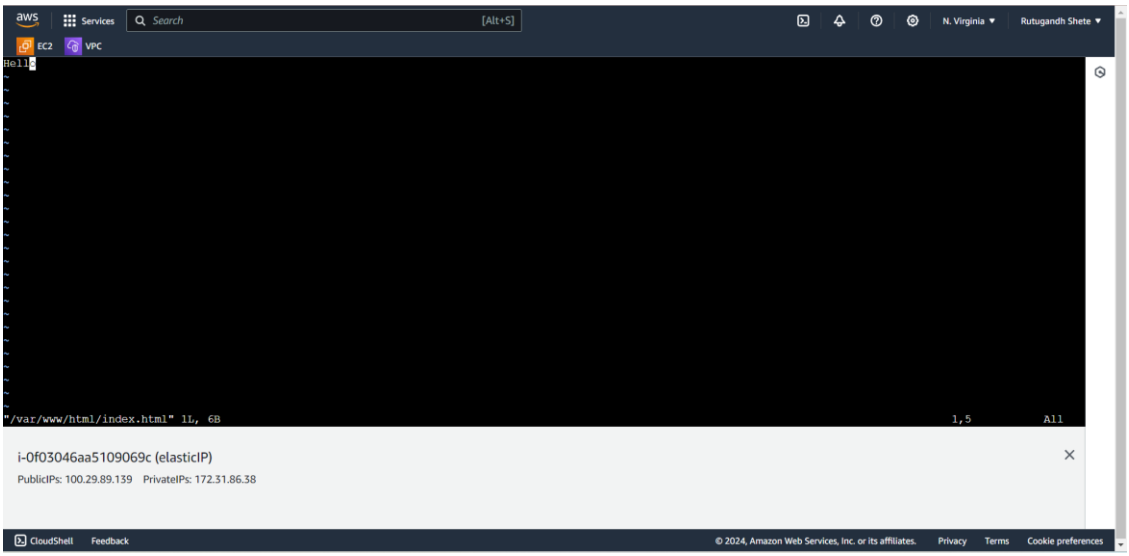
- Enable httpd service using “ systemctl enable httpd”. After enabling service start the service using “systemctl start httpd”.



- Start and check service. “systemctl start httpd”& “systemctl status httpd”.

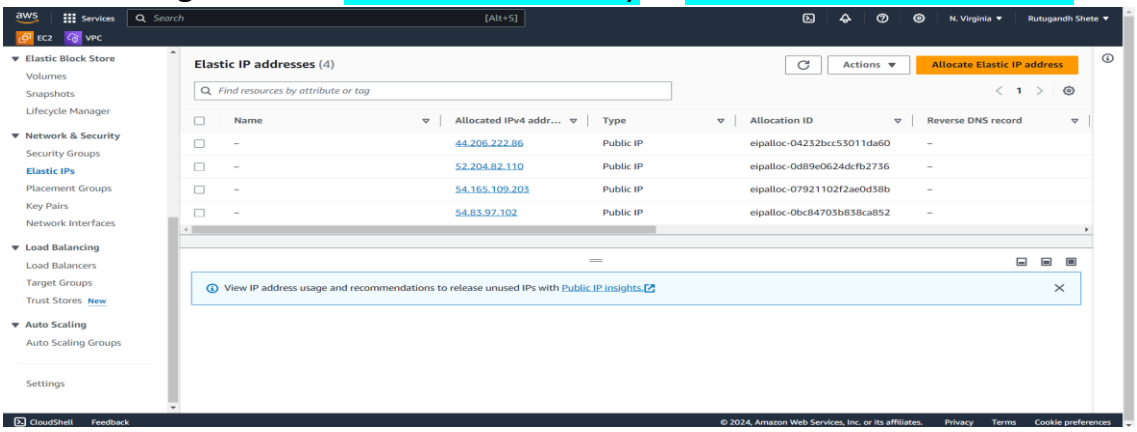


- Add index.html to location /var/www/html and vim /var/www/html/index.html.

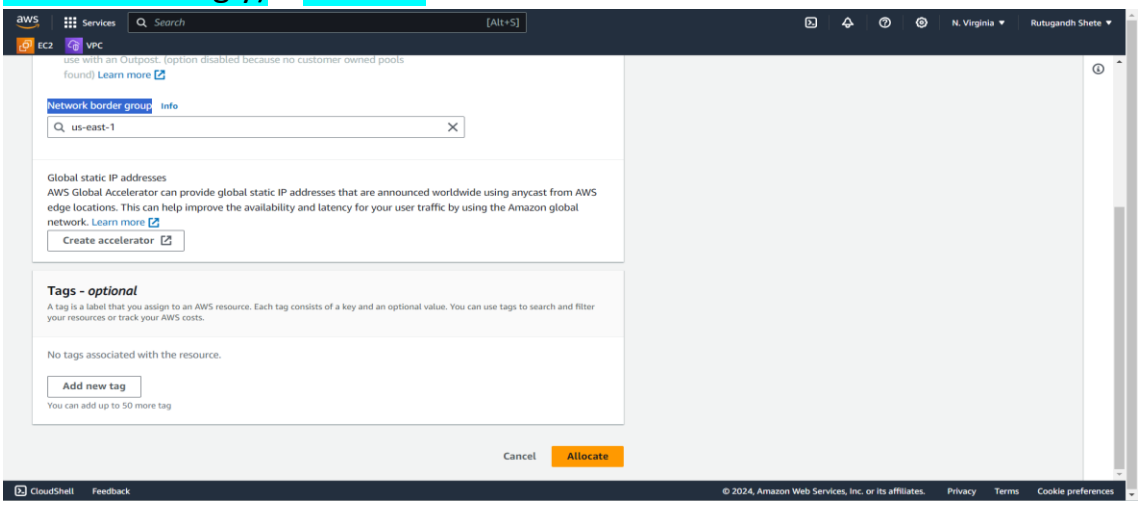


- Enter public IP of created instance to web browser.

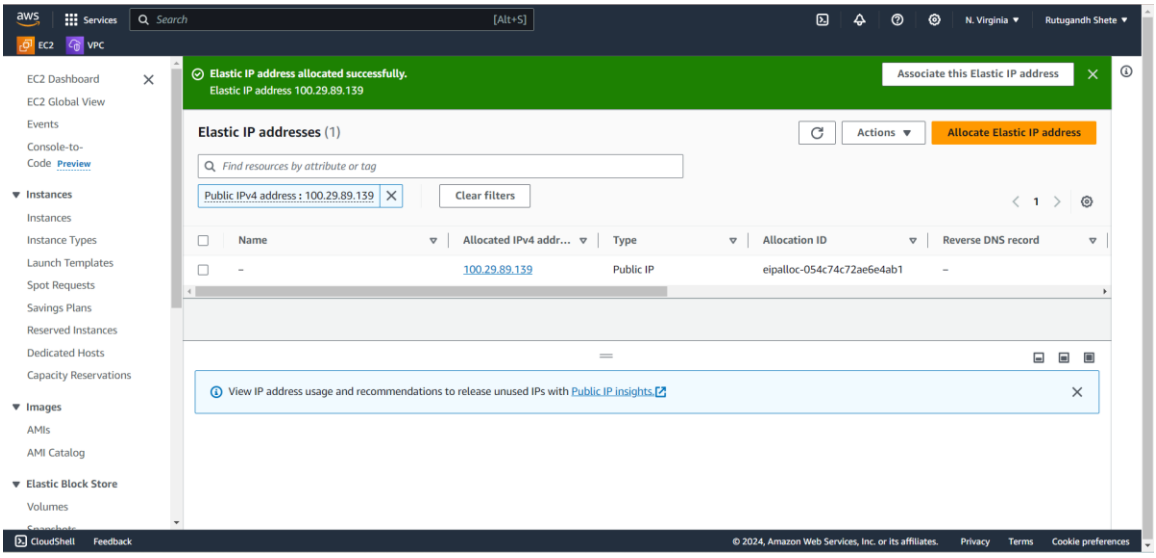
- Ip address changes whenever we stops Instance and new IP is created everytime whenever instance is started.
- For initiating elastic IP Network & Security →Allocate Elastic IP address.



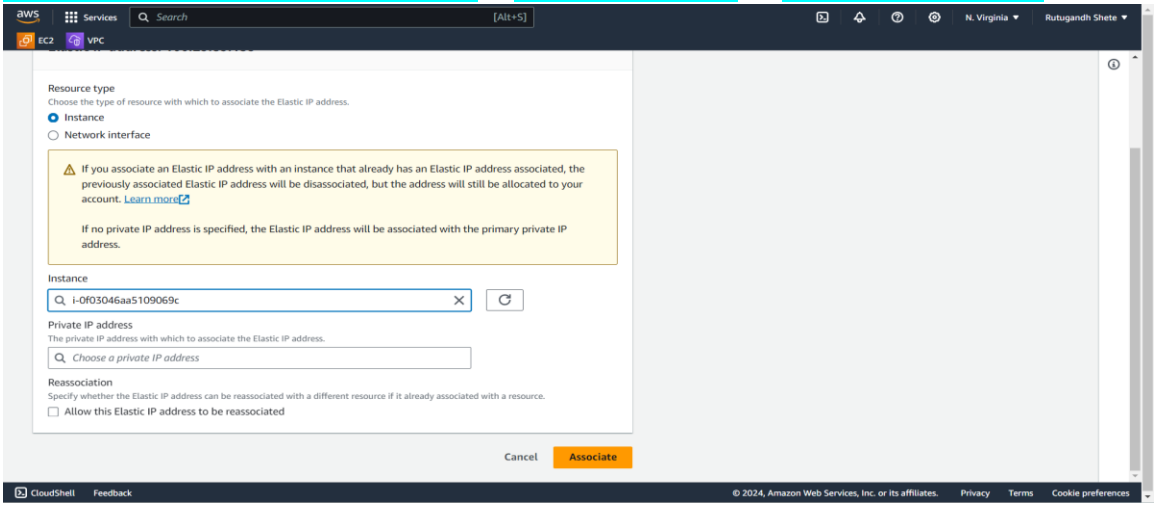
- Click on Allocate Elsatic IP address→ select Network border group(choose zone accordingly)→Allocate



- Elastic IP address is crearted successfully.



- Asssociate this Elastic IP address to Instance that we have created Associate this elastic IP address→select instance →click on associate.



- After successfully associated it to instance.