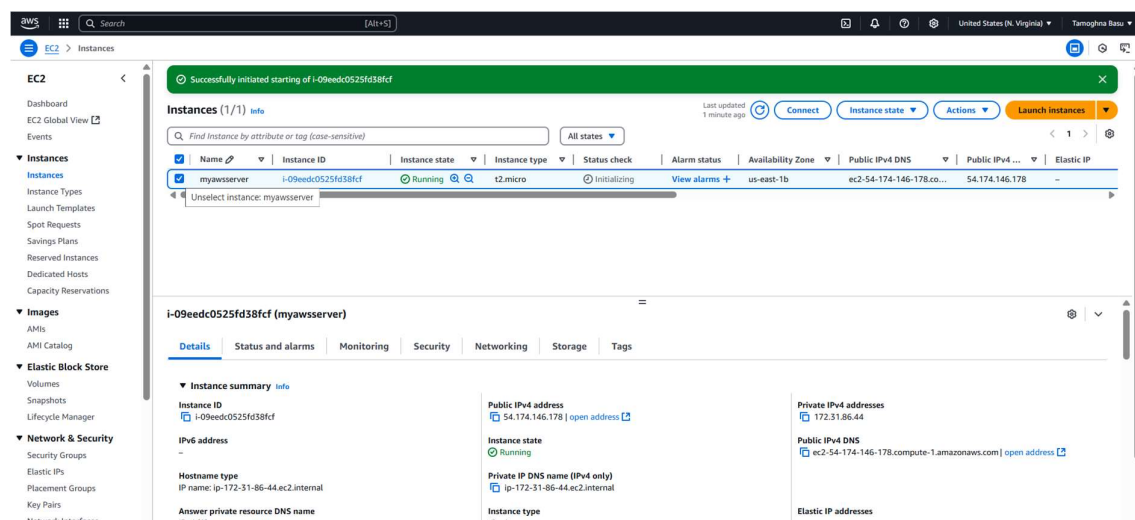
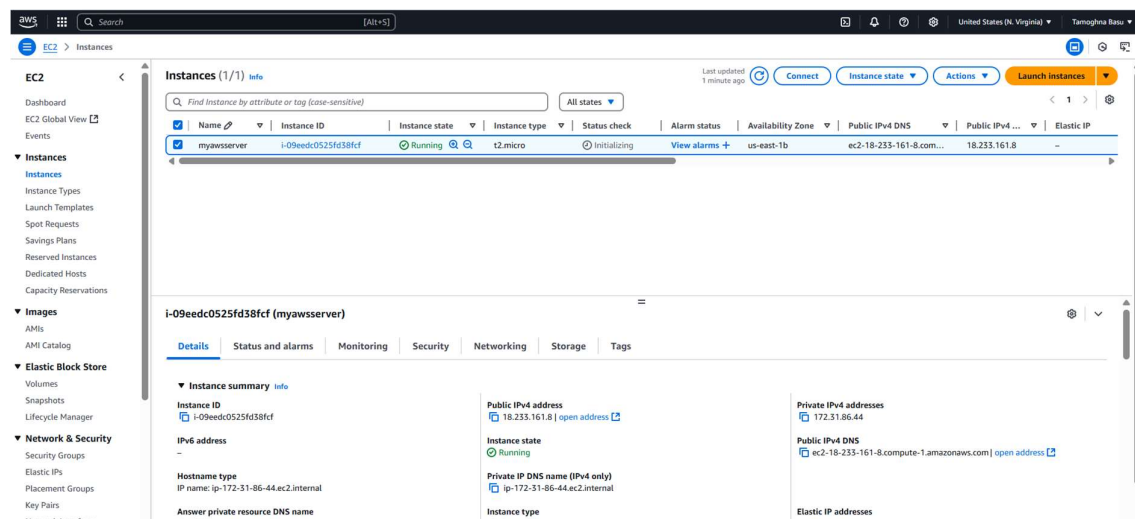


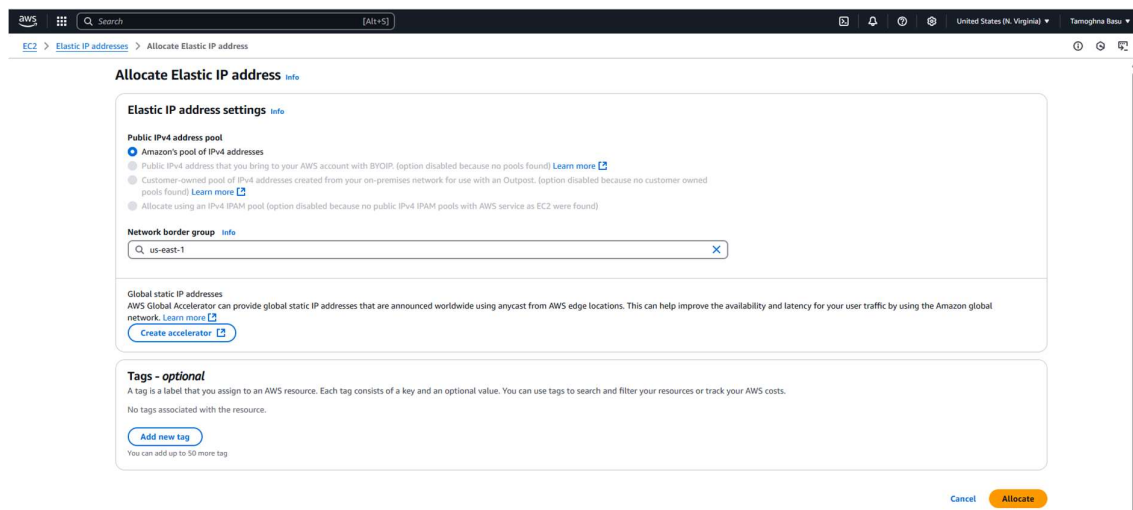
Assignment No:14

Problem Definition: Create an Elastic IP for an instance.

Step 1: At first we launch an instance on EC2 and check its public ipv4 address. After sometime we stop the instance and start the instance again. Doing this we can see the public ipv4 address of the instance is changing.



Step 2: To stop the ipv4 address from changing we allocate elastic ipv4 address to the instance. To do this we search elastic ipv4 and select it. Then we select 'Amazon's pool of ipv4 addresses' and click on Allocate option.



Step 3: Next we click on associate, select resource type as instance and put the private ip address of the instance. By clicking on associate the instance will be associated with the elastic ip.

Associate Elastic IP address
Choose the instance or network interface to associate to this Elastic IP address (107.22.6.171)

Elastic IP address: 107.22.6.171

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

☒ Instance
☐ Network interface

Instance
i-09eedc0525fd38fcf

Private IP address
The private IP address with which to associate the Elastic IP address.
172.31.86.44

Reassociation
Specify whether the Elastic IP address can be reassociated with a different resource if it already associated with a resource.
☒ Allow this Elastic IP address to be reassociated

[Cancel](#) [Associate](#)

Step 4: Now if we check the public ipv4 address of instance by stopping the instance and start it again, then we can see the ip address is not changing now.

WWS

Search

United States (N. Virginia)

Tamoghna Basu

EC2

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info

Find instance by attribute or tag (case-sensitive)

All states

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
myawsserver	i-09eedc0525fd38fcf	Running	t2.micro	2/2 checks passed	View alarms	us-east-1b	ec2-107-22-6-171.com...	107.22.6.171	107.22.6.171

i-09eedc0525fd38fcf (myawsserver)

Details

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Monitoring

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Tags

Instance summary

Instance ID

i-09eedc0525fd38fcf

IPv6 address

-

Hostname type

IP name: ip-172-31-86-44.ec2.internal

Public IPv4 address

107.22.6.171 | open address

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-86-44.ec2.internal

Private IPv4 addresses

172.31.86.44

Public IPv4 DNS

ec2-107-22-6-171.compute-1.amazonaws.com | open address

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Search

[Alt+F]

United States (N. Virginia)

Tamoghna Basu

Instances (1/1)

Find instance by attribute or tag (case-sensitive)

All states

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
myawsserver	i-09eedc0525fd38fcf	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b	ec2-107-22-6-171.com...	107.22.6.171	107.22.6.171

i-09eedc0525fd38fcf (myawsserver)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

Instance summary

Instance ID

i-09eedc0525fd38fcf

IPv6 address

-

Hostname type

IP name: ip-172-31-86-44.ec2.internal

Answer private resource DNS name

IPv4 (A)

Public IPv4 address

107.22.6.171 | open address

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-86-44.ec2.internal

Instance type

t2.micro

Private IPv4 addresses

172.31.86.44

Public IPv4 DNS

ec2-107-22-6-171.compute-1.amazonaws.com | open address

Elastic IP addresses

107.22.6.171 [Public IP]