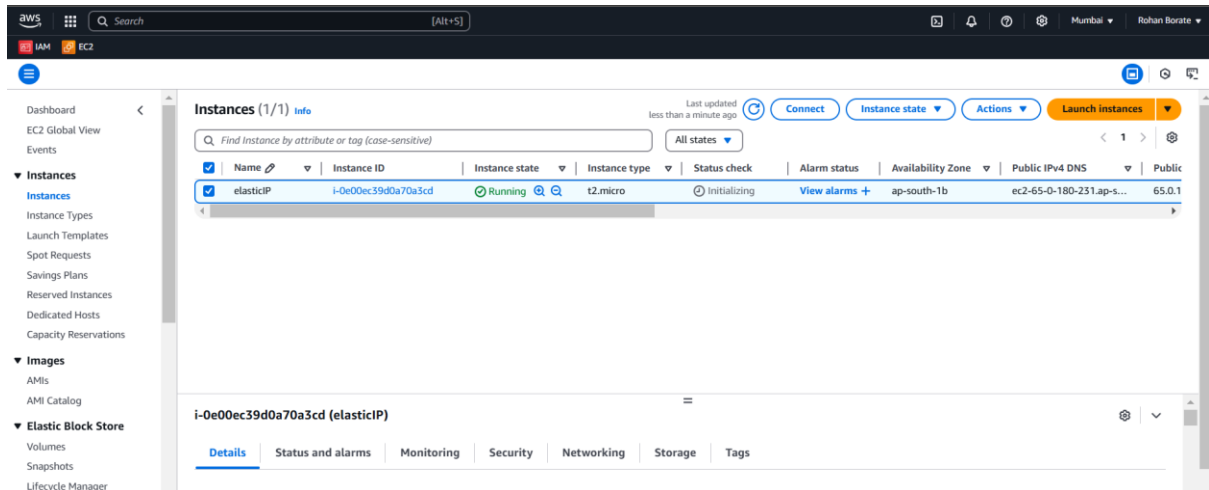
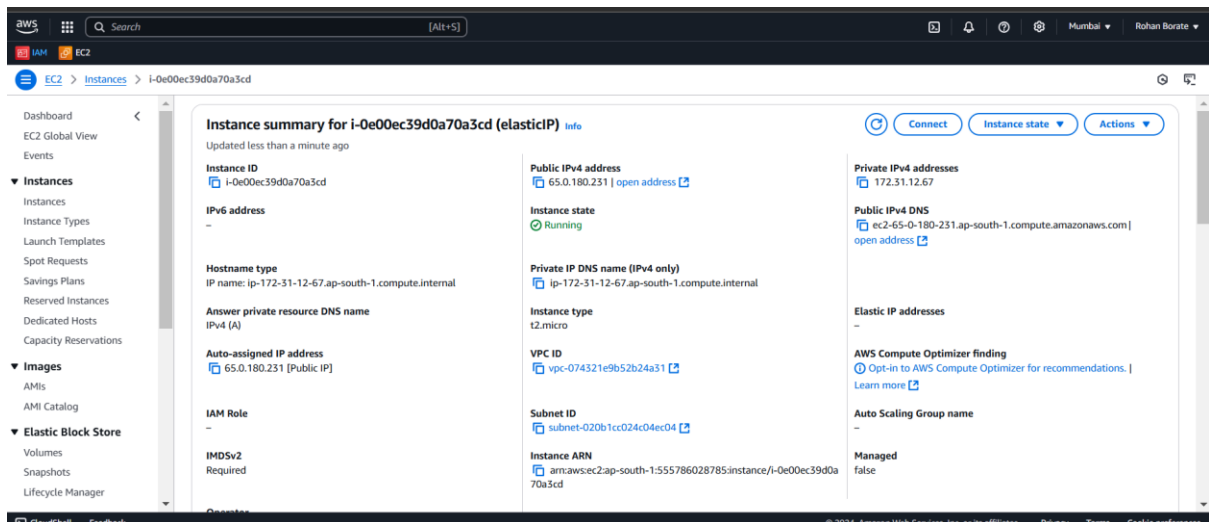


AWS Elastic IP

Created an instance (elasticIP) with default IP , dynamic IP

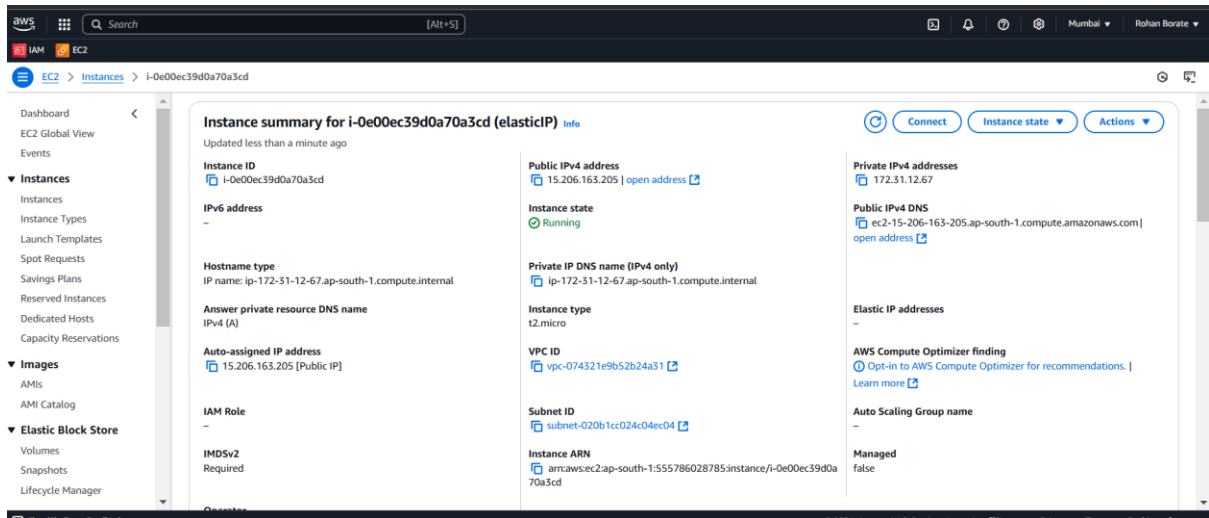


Check the public public IPV4 address of created instance → 65.0.180.231

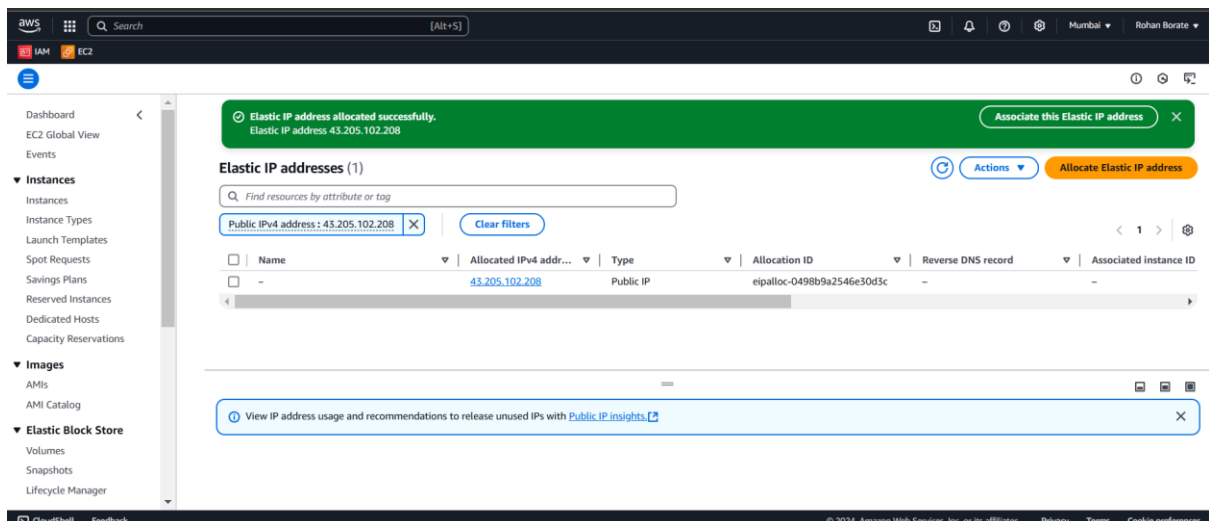
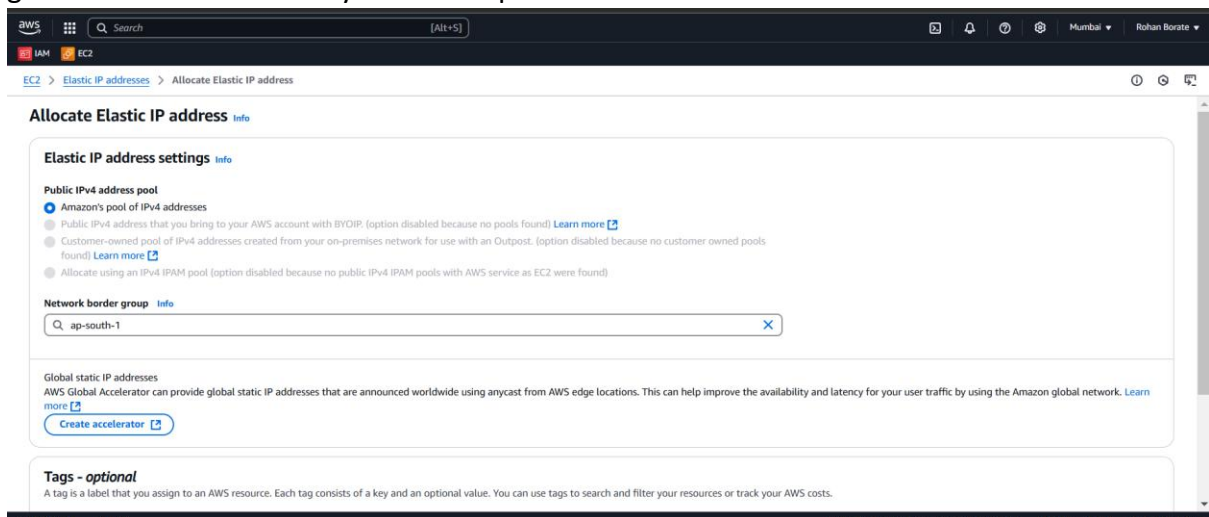


Restarting this instance then now check the publicIPv4 public address → 15.206.163.205 .

Which is different from the above IP address, because it is an dynamic IP,
due to this we are now assigning a static ip to the instance



Creating the static IP , (elastic IP service of AWS)
go to network and security → Elastic Ips →



Associate this elastic IP to the instance

The screenshot shows the 'Associate Elastic IP address' page in the AWS console. The Elastic IP address 43.205.102.208 is selected. Under 'Resource type', 'Instance' is chosen. A warning box states that associating the IP with an instance that already has one will disassociate the previous one. The 'Instance' field contains 'i-0e00ec39d0a70a3cd'. The 'Private IP address' field is empty. The 'Reassociation' checkbox 'Allow this Elastic IP address to be reassociated' is unchecked. 'Cancel' and 'Associate' buttons are at the bottom right.

Elastic IP address: 43.205.102.208

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

☒ Instance
☐ Network interface

Instance
i-0e00ec39d0a70a3cd

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

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

The screenshot shows the 'Elastic IP addresses' page. A green success message states: 'Elastic IP address associated successfully. Elastic IP address 43.205.102.208 has been associated with Instance i-0e00ec39d0a70a3cd'. Below, a table lists the Elastic IP address 43.205.102.208, which is a Public IP allocated to the instance i-0e00ec39d0a70a3cd. A sidebar on the left shows navigation options like Dashboard, EC2 Global View, and various instance and image categories.

Elastic IP address associated successfully.
Elastic IP address 43.205.102.208 has been associated with Instance i-0e00ec39d0a70a3cd

Elastic IP addresses (1)

Find resources by attribute or tag

Public IPv4 address: 43.205.102.208 Clear filters

Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record	Associated instance ID
-	43.205.102.208	Public IP	eipalloc-0498b9a2546e30d3c	-	i-0e00ec39d0a70a3cd

View IP address usage and recommendations to release unused IPs with [Public IP insights](#)

Go to the instance details and check ip is associated (elastic ip → 43.205.102.208)

The screenshot shows the 'Instance summary' page for instance i-0e00ec39d0a70a3cd. The instance is in a 'Running' state. The 'Public IPv4 address' is 43.205.102.208. The 'Private IP address' is 172.31.12.67. The 'Elastic IP address' is 43.205.102.208. The 'Instance type' is t2.micro. The 'VPC ID' is vpc-074521e9b52b24a31. The 'Subnet ID' is subnet-020b1cc024c04ec04. The 'Instance ARN' is arn:aws:ec2:ap-south-1:555786028785:instance/i-0e00ec39d0a70a3cd.

Instance summary for i-0e00ec39d0a70a3cd (elasticIP)

Updated less than a minute ago

Instance ID
i-0e00ec39d0a70a3cd

IPv6 address
-

Hostname type
IP name: ip-172-31-12-67-ap-south-1.compute.internal

Answer private resource DNS name
IPv4 (A)

Auto-assigned IP address
-

IAM Role
-

IMDSv2
Required

Public IPv4 address
43.205.102.208 | [open address](#)

Instance state
Running

Private IP DNS name (IPv4 only)
ip-172-31-12-67-ap-south-1.compute.internal

Instance type
t2.micro

VPC ID
vpc-074521e9b52b24a31

Subnet ID
subnet-020b1cc024c04ec04

Instance ARN
arn:aws:ec2:ap-south-1:555786028785:instance/i-0e00ec39d0a70a3cd

Private IPv4 addresses
172.31.12.67

Public IPv4 DNS
ec2-43-205-102-208.ap-south-1.compute.amazonaws.com | [open address](#)

Elastic IP addresses
43.205.102.208 [Public IP]

AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | [Learn more](#)

Auto Scaling Group name
-

Managed
false

Restart the instance again and check the same elastic ip (static ip is associated with them or not), IP is same (43.205.102.208)

Dashboard

EC2 Global View

Events

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Instance summary for i-0e00ec39d0a70a3cd (elasticIP) Info

Updated less than a minute ago

Instance ID

i-0e00ec39d0a70a3cd

IPv6 address

–

Hostname type

IP name: ip-172-31-12-67.ap-south-1.compute.internal

Answer private resource DNS name

IPv4 (A)

Auto-assigned IP address

–

IAM Role

–

IMDSv2

Required

Public IPv4 address

43.205.102.208 | [open address](#)

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-12-67.ap-south-1.compute.internal

Instance type

t2.micro

VPC ID

vpc-074321e9b52b24a31

Subnet ID

subnet-020b1cc024c04ec04

Instance ARN

arn:aws:ec2:ap-south-1:555786028785:instance/i-0e00ec39d0a70a3cd

Private IPv4 addresses

172.31.12.67

Public IPv4 DNS

ec2-43-205-102-208.ap-south-1.compute.amazonaws.com | [open address](#)

Elastic IP addresses

43.205.102.208 [Public IP]

AWS Compute Optimizer finding

Opt-in to AWS Compute Optimizer for recommendations. | [Learn more](#)

Auto Scaling Group name

–

Managed

false

Connect

Instance state

Actions

CloudShell

Feedback

© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences