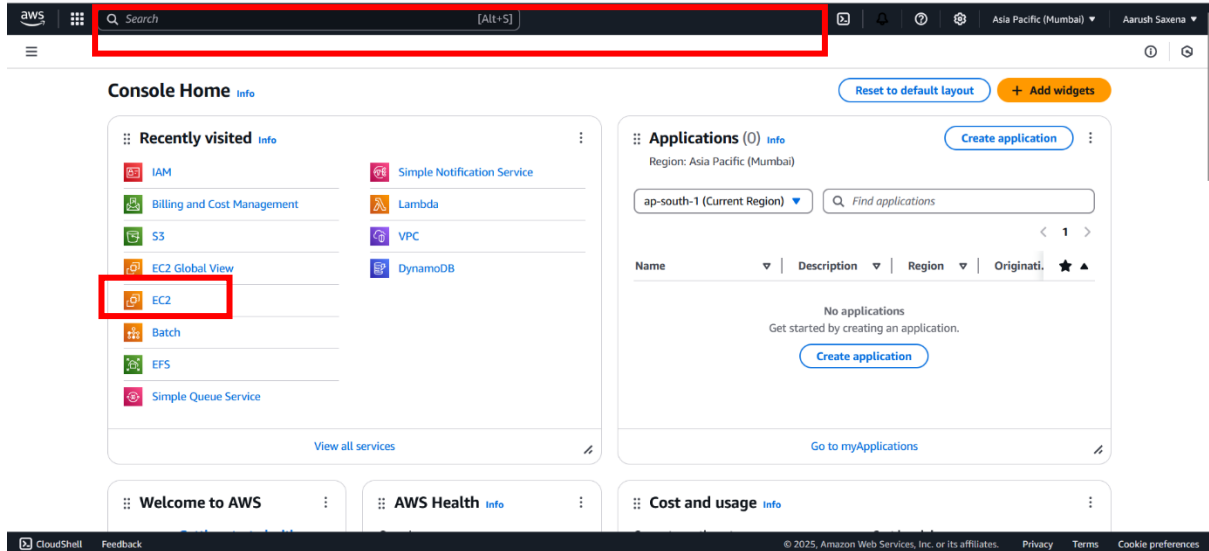
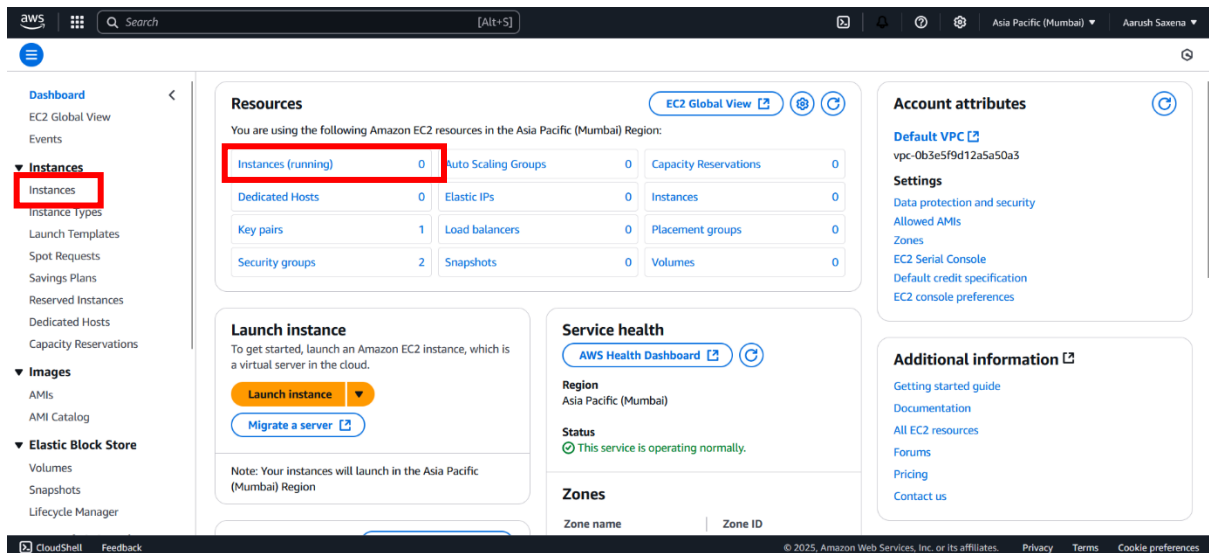


How to give a custom or Private IPV4

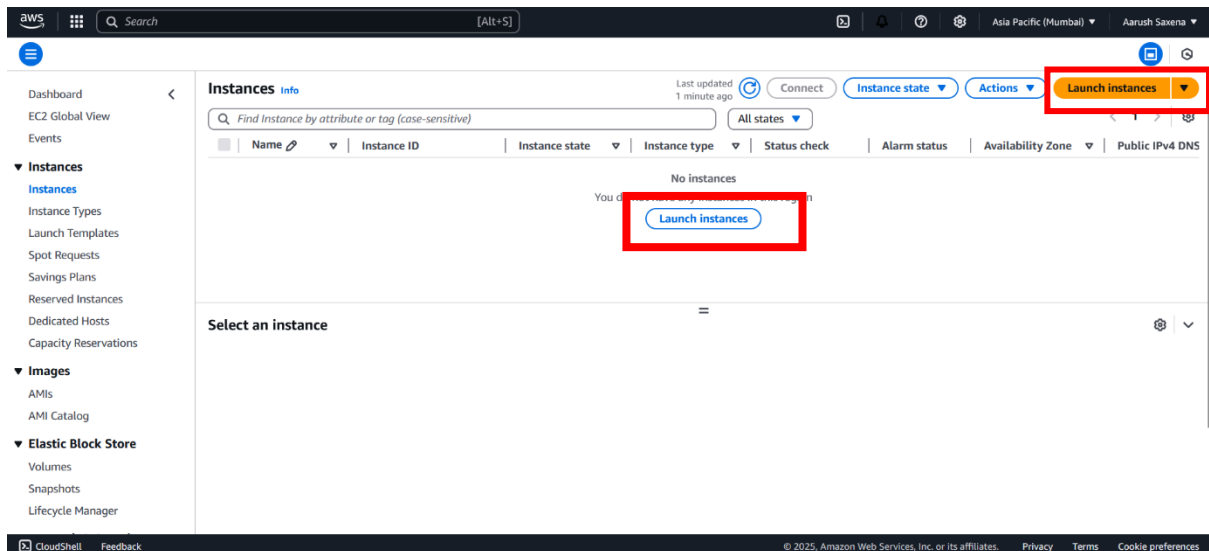
Step1: Log-in to your amazon web service and you will entered to the console Home from there go to EC2 or search it from the search-bar.



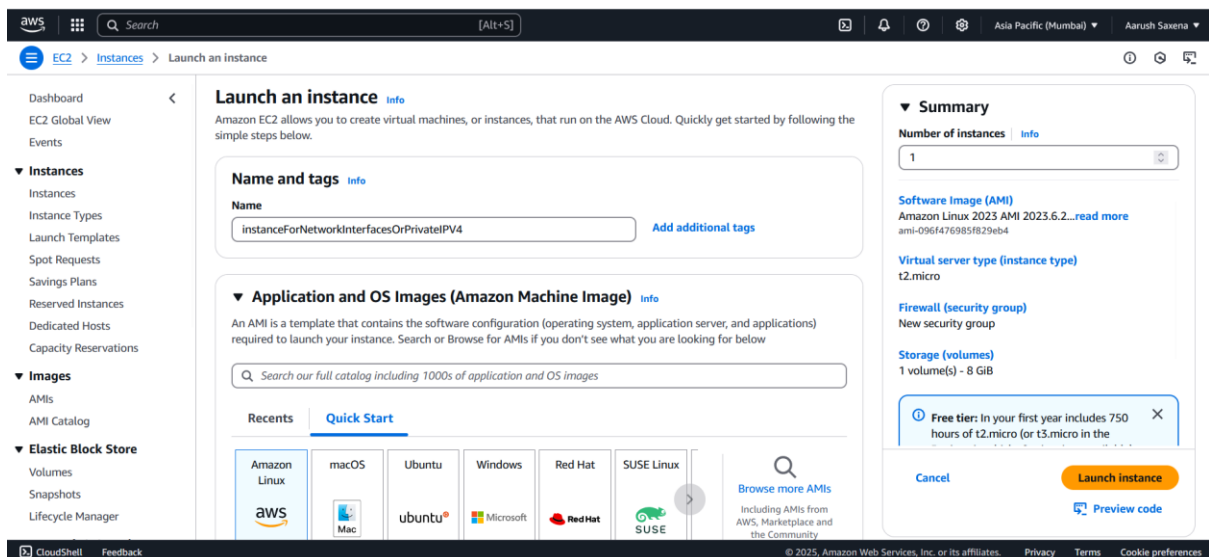
After clicking on it dashboard of EC2 will appear as shown in image given below. Click on Instance.



After clicking on it dashboard of it will appear as shown in image given below. Click on Launch Instances.



After clicking on it a window will appear as shown in image given below, give name to your EC2, choose amazon Linux AMI.



Give your key pair, security group as I have it I am going with it, if you do not have a key pair create it and then attach it. And if you don't have security group go with default or as per your requirement. And leave settings to default settings and click on Launch Instance.

aws

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Asia Pacific (Mumbai)

Aarush Saxena

EC2

Instances

Launch an instance

▼ Instance type

Info | Get advice

Instance type

t2.micro

Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Linux base pricing: 0.0124 USD per Hour On-Demand Windows base pricing: 0.017 USD per Hour

On-Demand RHEL base pricing: 0.0268 USD per Hour On-Demand SUSE base pricing: 0.0124 USD per Hour

On-Demand Ubuntu Pro base pricing: 0.0142 USD per Hour

Additional costs apply for AMIs with pre-installed software

All generations

Compare instance types

▼ Key pair (login)

Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

keyPair

Create new key pair

▼ Network settings

Info

Network

Info

vpc-0b3e5f9d12a5a50a3

Subnet

Info

Edit

▼ Summary

Number of instances

Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.6.2...read more

ami-096f476985f829eb4

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro

Cancel

Launch instance

Preview code

CloudShell

Feedback

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EC2

Instances

Launch an instance

▼ Network settings

Info

Network

Info

vpc-0b3e5f9d12a5a50a3

Subnet

Info

No preference (Default subnet in any availability zone)

Auto-assign public IP

Info

Enable

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

Common security groups

Info

Select security groups

launch-wizard-1 sg-0ad71504e6320b750

VPC: vpc-0b3e5f9d12a5a50a3

Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

▼ Configure storage

Info

Advanced

▼ Summary

Number of instances

Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.6.2...read more

ami-096f476985f829eb4

Virtual server type (instance type)

t2.micro

Firewall (security group)

launch-wizard-1

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro

Cancel

Launch instance

Preview code

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EC2

Instances

Launch an instance

▼ Configure storage

Info

Advanced

1x 8 GiB gp3

Root volume 3000 IOPS (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems

Edit

▼ Advanced details

Info

▼ Summary

Number of instances

Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.6.2...read more

ami-096f476985f829eb4

Virtual server type (instance type)

t2.micro

Firewall (security group)

launch-wizard-1

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro

Cancel

Launch instance

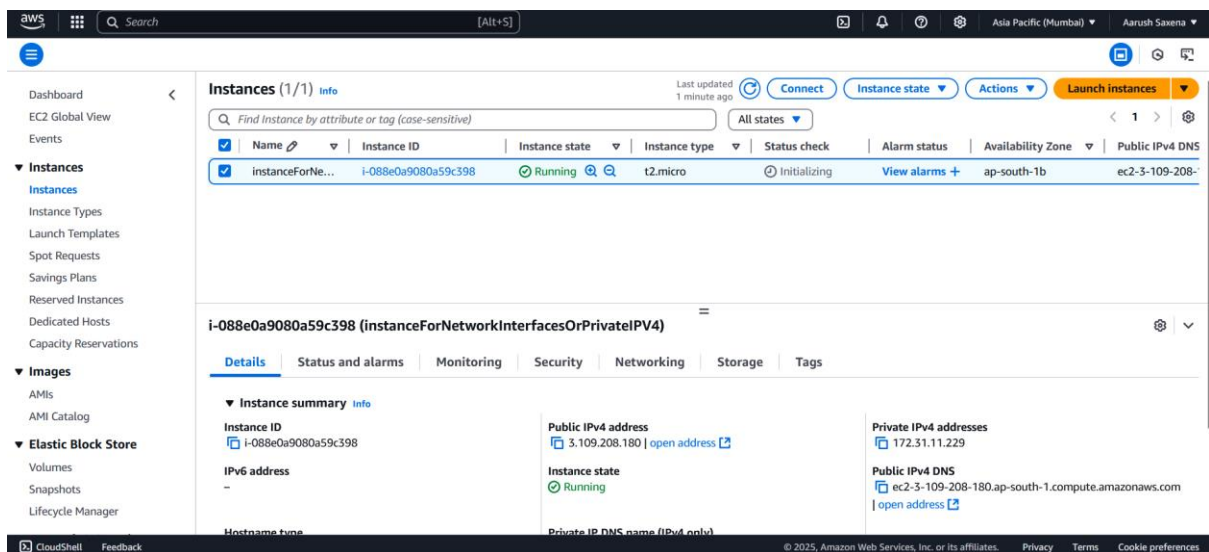
Preview code

CloudShell

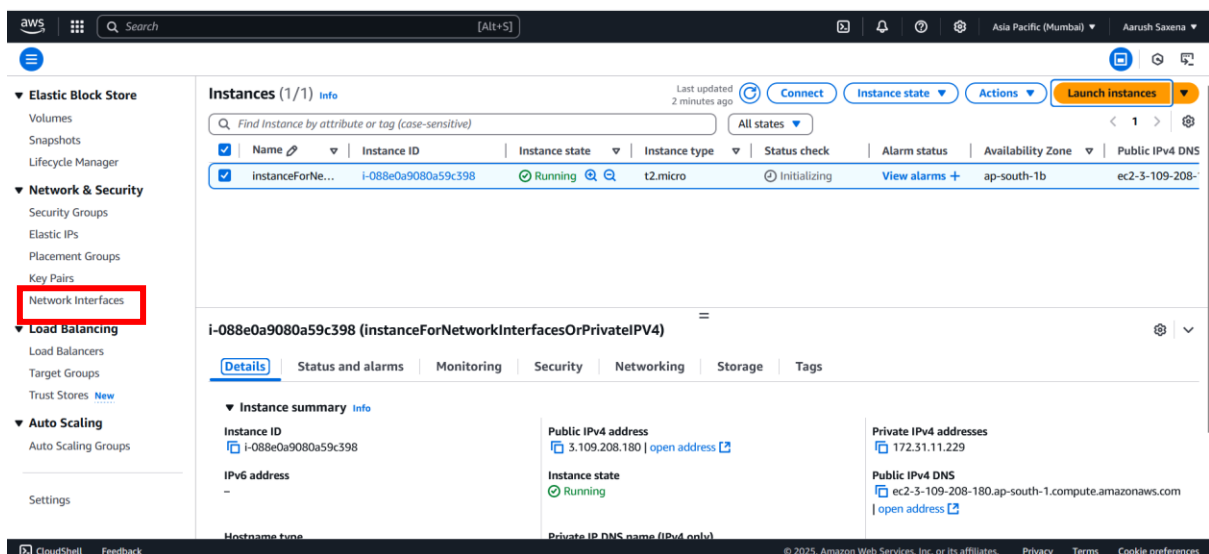
Feedback

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Now you can see your instance has been created.

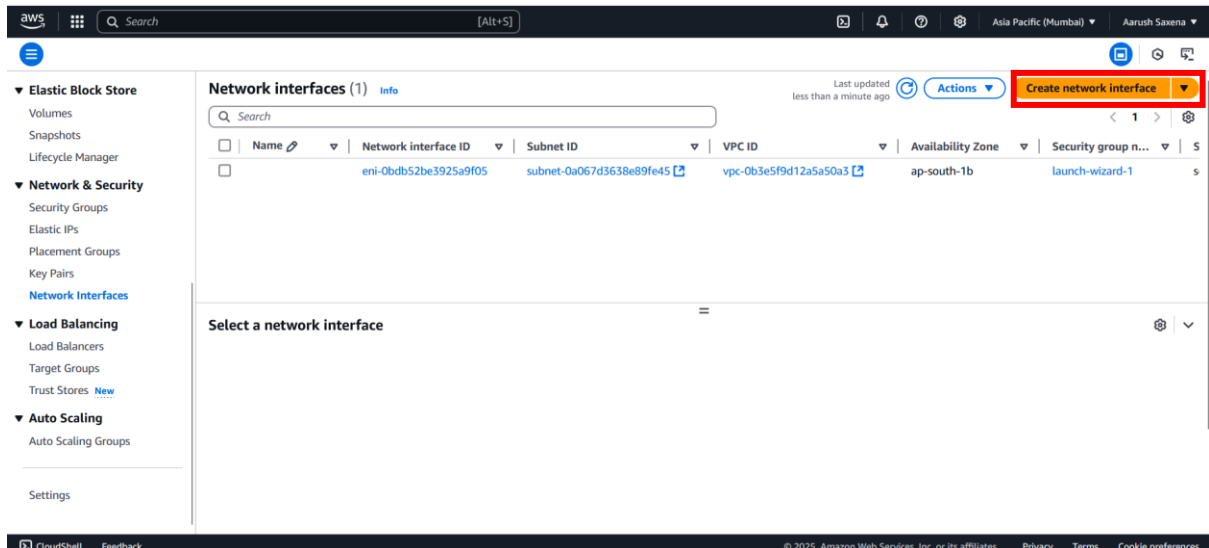


Step2: On the left side scroll down and under the network and security click on network Interfaces.

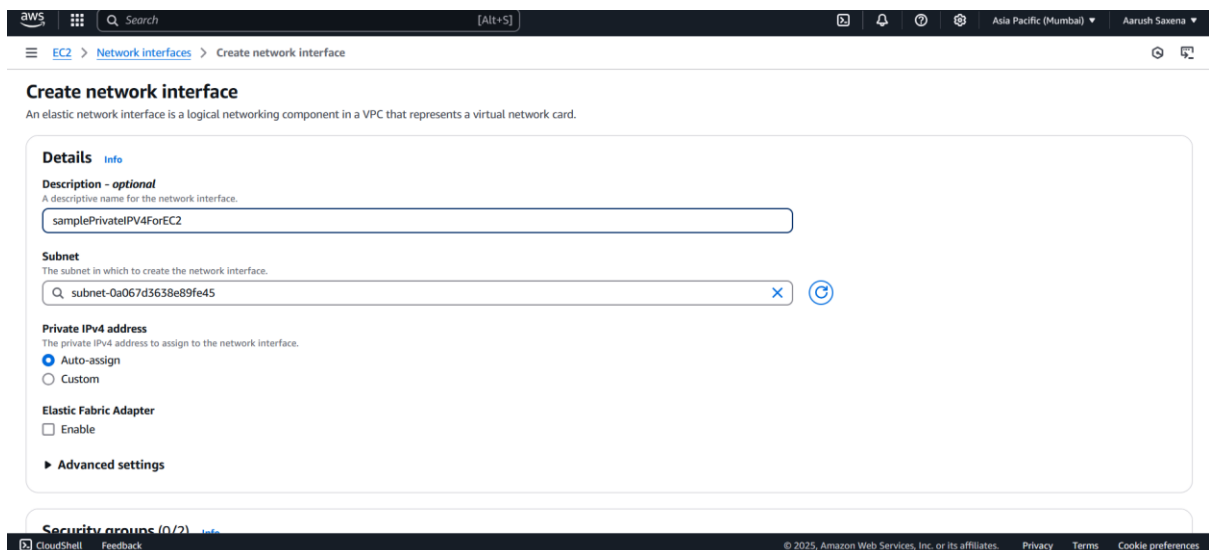


After clicking on it you will see the default Private IPV4 of your EC2 instance which we created right now.

For creating new private IPV4 click on create network Interface

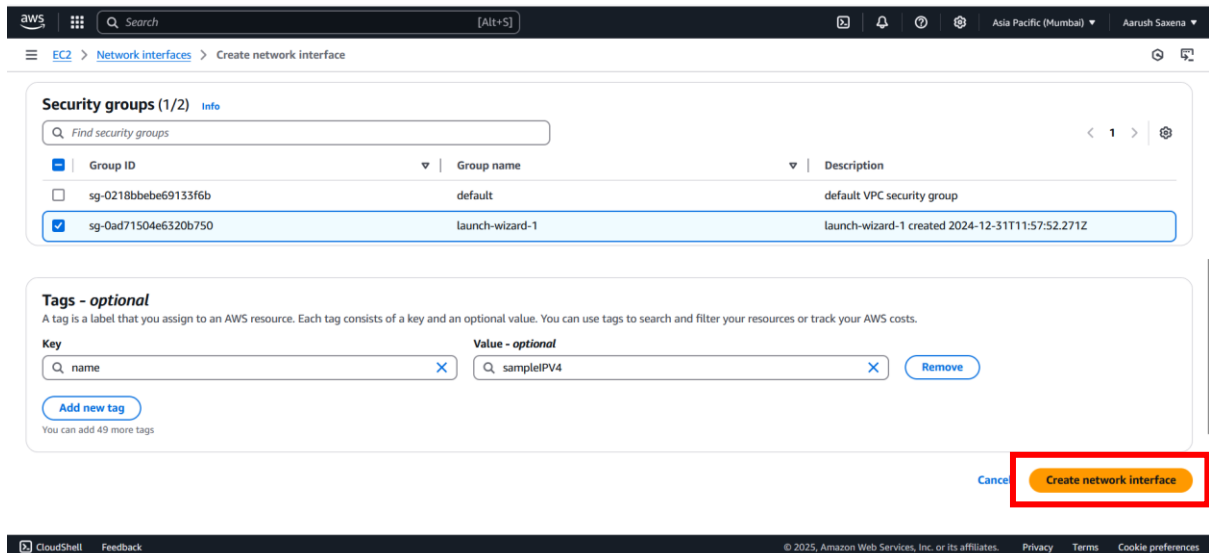


After clicking on it give description of it and select the subnet where your instances has been created and leave it to auto design you can give according to your requirements.

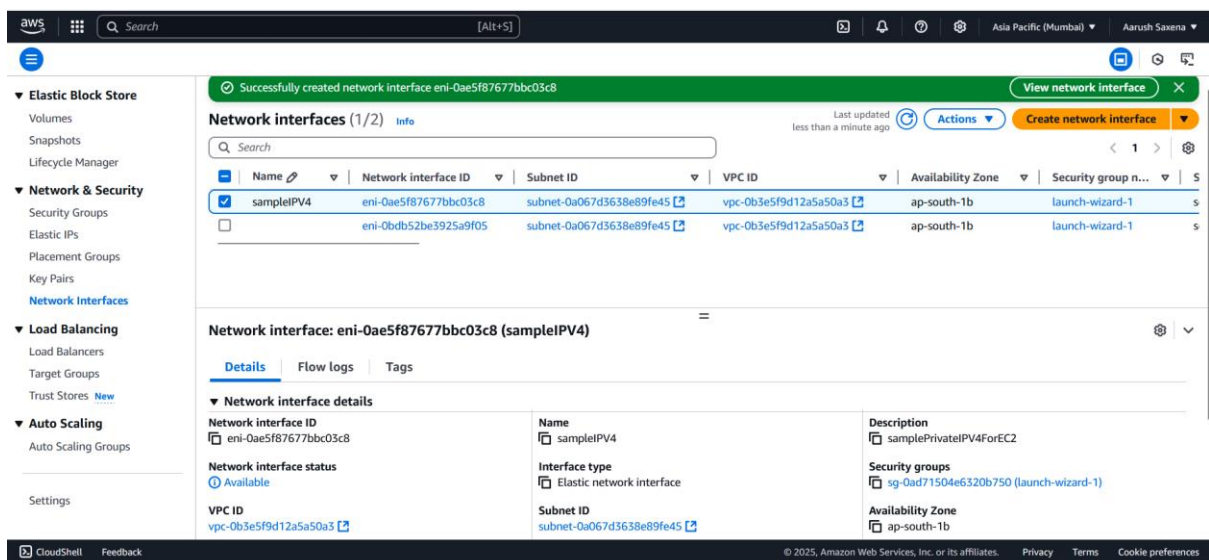


And select the security group to attach that ip.

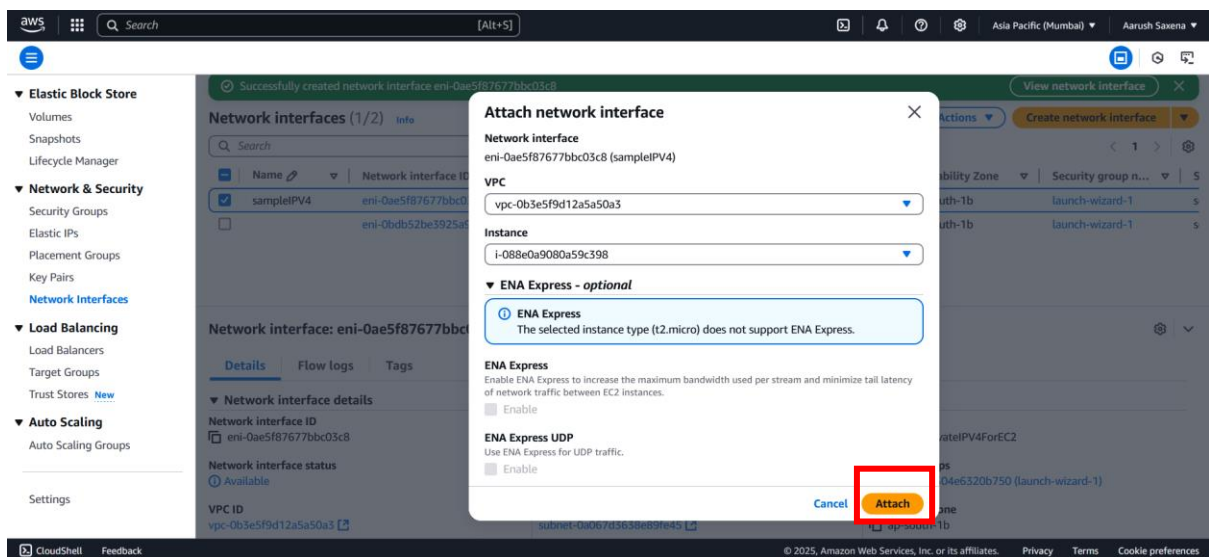
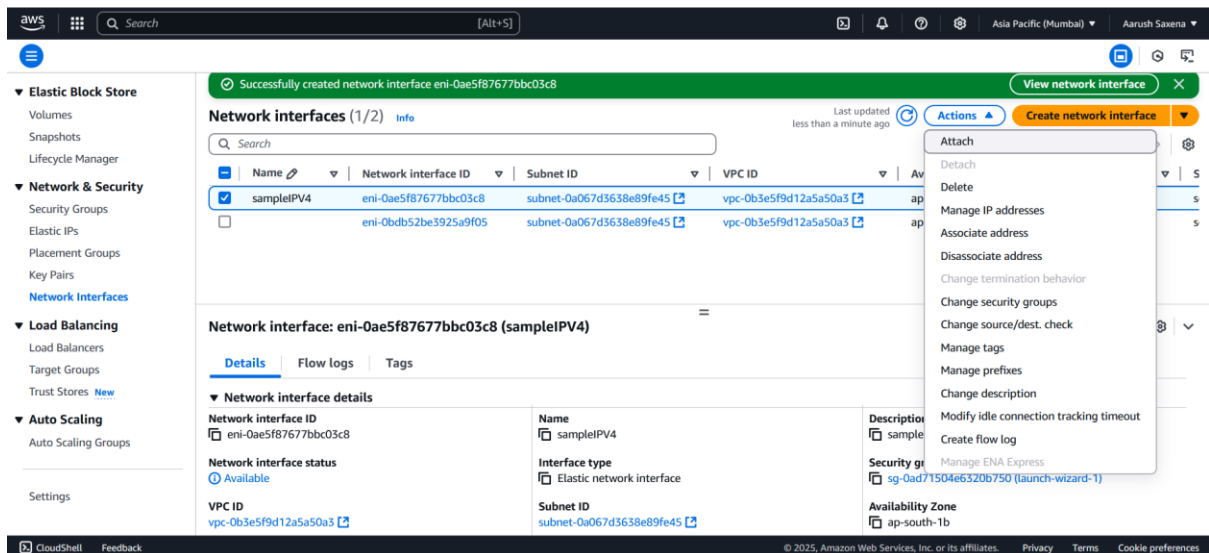
And give tag(optional) and click on Create network Interface.



As shown in image given below you can see your sampleIPv4 has been created.



Click on attach dropdown and click on attach button, select the default vpc as we don't declare or make another and select your instance and leave other as default and click on attach.



Go back to your Instance dashboard and as shown in image given below you can see it shows you 2 ipv4 address as if your instance shuts down or hibernate it will keep IPV4 which we created as default it will not be deleted.

Dashboard

EC2 Global View

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Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

All states

Connect

Instance state

Actions

Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
instanceForNe...	i-088e0a9080a59c398	Running	t2.micro	2/2 checks passed	View alarms	ap-south-1b	ec2-3-109-208-

i-088e0a9080a59c398 (instanceForNetworkInterfacesOrPrivateIPv4)

Instance summary

Instance ID

i-088e0a9080a59c398

Public IPv4 address

3.109.208.180 | open address

Private IPv4 addresses

172.31.11.229
172.31.1.15

Public IPv4 DNS

ec2-3-109-208-180.ap-south-1.compute.amazonaws.com
| open address

IPv6 address

-

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-11-229.ap-south-1.compute.internal

IPv6 address

-

Hostname type

IP name: ip-172-31-11-229.ap-south-1.compute.internal

CloudShell

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Now if you terminate the instance and go back to elastic network interface it will show our created ipv4.

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Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

All states

Connect

Instance state

Actions

Launch instances

Successfully initiated termination (deletion) of i-088e0a9080a59c398

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
instanceForNe...	i-088e0a9080a59c398	Terminated	t2.micro	-	View alarms	ap-south-1b	-

i-088e0a9080a59c398 (instanceForNetworkInterfacesOrPrivateIPv4)

Instance summary

Instance ID

i-088e0a9080a59c398

Public IPv4 address

-

Private IPv4 addresses

-

Public IPv4 DNS

-

IPv6 address

-

Instance state

Terminated

Private IP DNS name (IPv4 only)

-

IPv6 address

-

Hostname type

-

Answer private resource DNS name

-

Instance type

t2.micro

CloudShell

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Network Interfaces

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Load Balancers

Target Groups

Trust Stores

Auto Scaling

Auto Scaling Groups

Settings

Network interfaces (1/1) Info

Find Instance by attribute or tag (case-sensitive)

All states

Actions

Create network interface

Successfully attached network interface eni-0ae5f87677bbc03c8 to instance i-088e0a9080a59c398

Name	Network interface ID	Subnet ID	VPC ID	Availability Zone	Security group n...
sampleIPv4	eni-0ae5f87677bbc03c8	subnet-0a067d3638e89fe45	vpc-0b3e5f9d12a5a50a3	ap-south-1b	launch-wizard-1

Network interface: eni-0ae5f87677bbc03c8 (sampleIPv4)

Details

Flow logs

Tags

Network interface details

Network interface ID

eni-0ae5f87677bbc03c8

Interface type

Elastic network interface

Subnet ID

subnet-0a067d3638e89fe45 Description | samplePrivateIPv4ForEC2 | Security groups | sg-0ad71504e6320b750 (launch-wizard-1) | Availability Zone | ap-south-1b |

CloudShell

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