

## Create VPC

**Create VPC** [Info](#)

A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.

**VPC settings**

**Resources to create** [Info](#)  
Create only the VPC resource or create VPC, subnets, etc.

☒ VPC only ☐ VPC, subnets, etc.

**Name tag - optional**  
Creates a tag with a key of 'Name' and a value that you specify.

my-vpc-14-02

**IPv4 CIDR block** [Info](#)  
☒ IPv4 CIDR manual input  
☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR  
10.0.0.0/16

**IPv6 CIDR block** [Info](#)  
☒ No IPv6 CIDR block

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**IPv6 CIDR block** [Info](#)  
☒ No IPv6 CIDR block  
☐ IPAM-allocated IPv6 CIDR block  
☐ Amazon-provided IPv6 CIDR block  
☐ IPv6 CIDR owned by me

**Tenancy** [Info](#)  
Default

**Tags**  
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - optional	
Name	my-vpc-14-02	<a href="#">Remove</a>

[Add new tag](#)  
You can add 49 more tags.

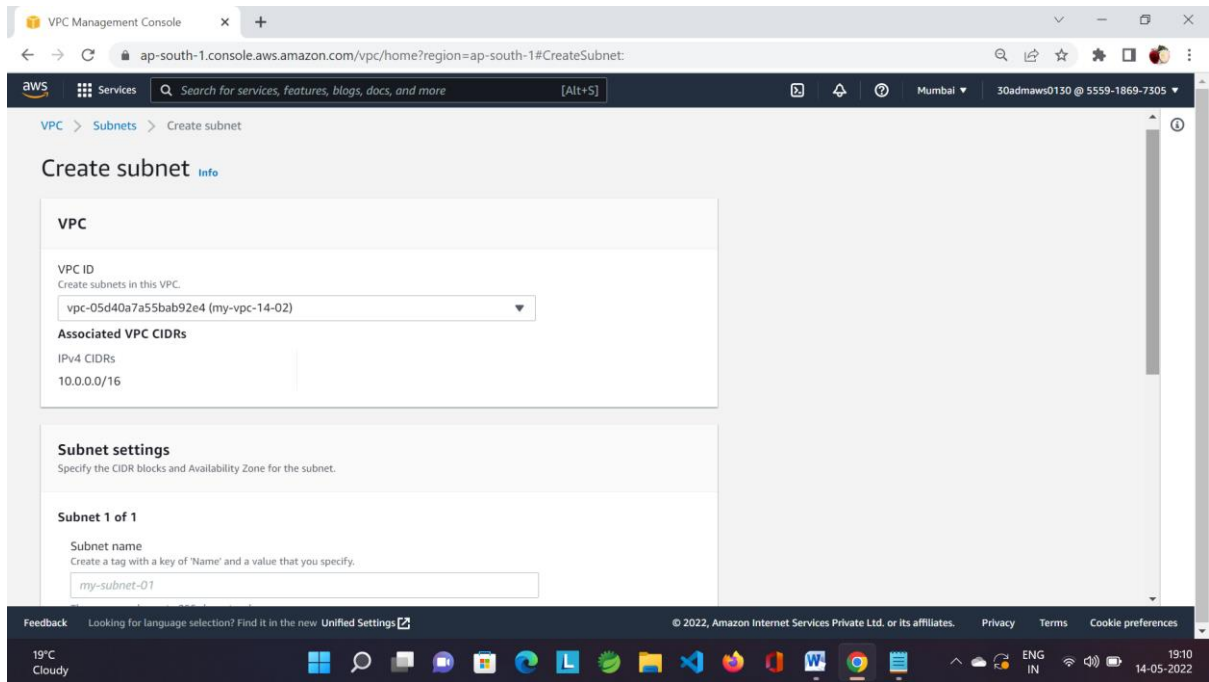
[Cancel](#) [Create VPC](#)

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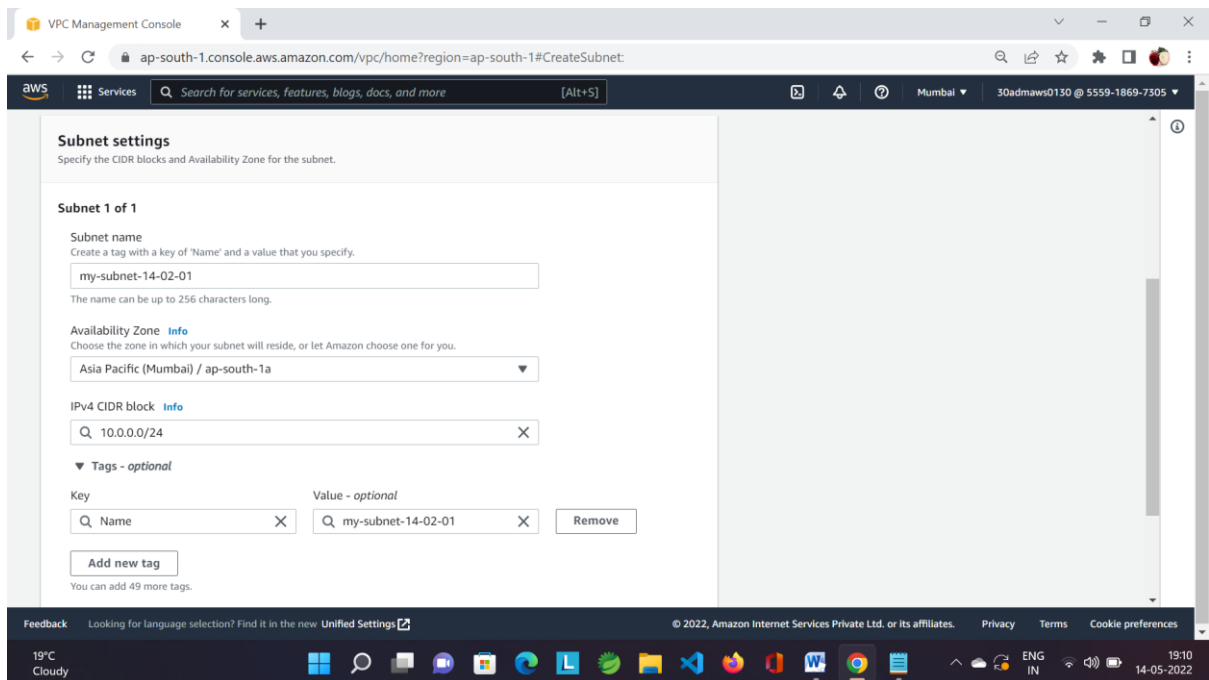
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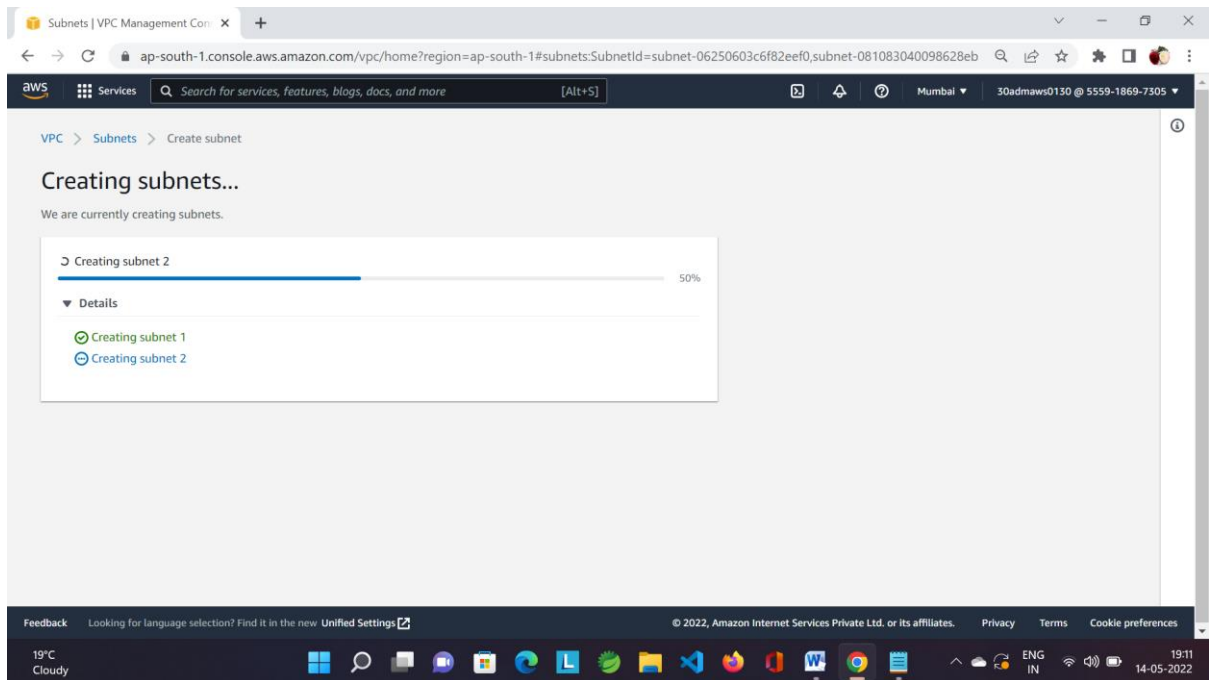
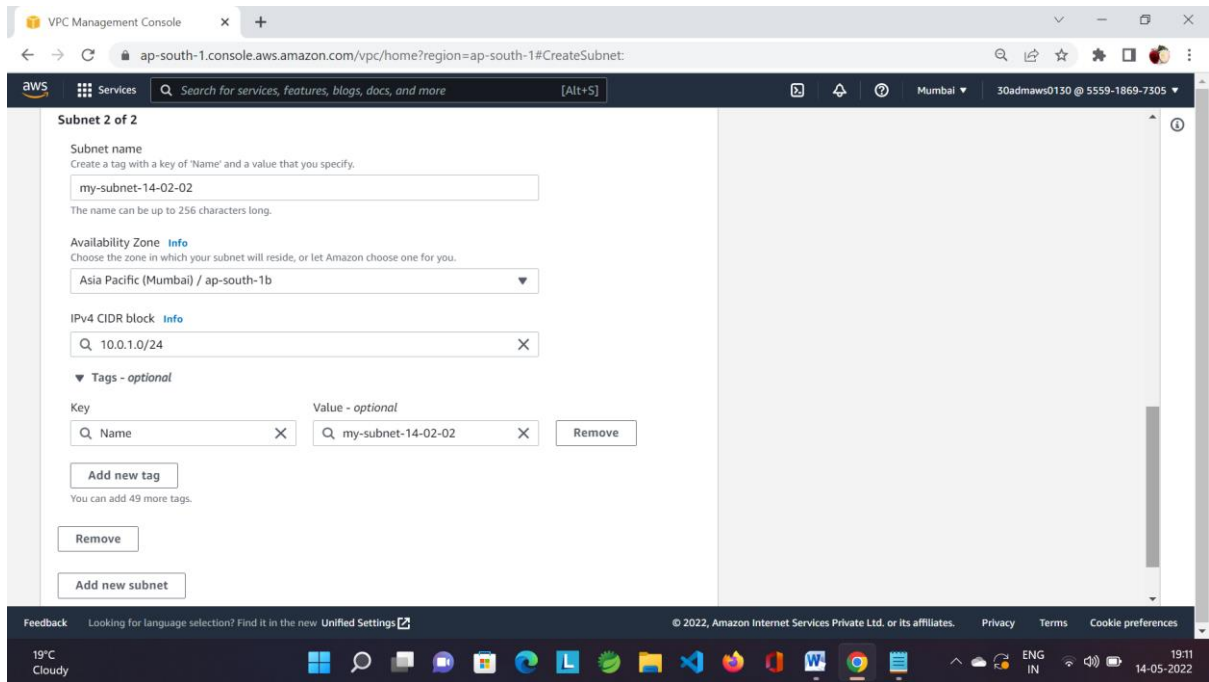
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## Create Subnet



## Subnet 1: my-subnet-14-02-01





Subnets | VPC Management Console

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#subnets:SubnetId=subnet-06250603c6f82eef0,subnet-081083040098628eb

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Filter by VPC: Select a VPC

VIRTUAL PRIVATE CLOUD

Your VPCs

Subnets

Route Tables

Internet Gateways

Egress Only Internet Gateways

DHCP Option Sets

Elastic IPs

Managed Prefix Lists

Endpoints

Endpoint Services

You have successfully created 2 subnets: subnet-06250603c6f82eef0, subnet-081083040098628eb

Subnets (2) Info

Filter subnets

Subnet ID: subnet-06250603c6f82eef0 Subnet ID: subnet-081083040098628eb Clear filters

	Name	Subnet ID	State	VPC	IPv4 CIDR
<input type="checkbox"/>	my-subnet-14-02-02	subnet-081083040098628eb	Available	vpc-05d40a7a55bab92e4   my...	10.0.1.0/24
<input type="checkbox"/>	my-subnet-14-02-01	subnet-06250603c6f82eef0	Available	vpc-05d40a7a55bab92e4   my...	10.0.0.0/24

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## Create internet gateway

Create internet gateway | VPC Management Console

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#CreateInternetGateway

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VPC > Internet gateways > Create internet gateway

### Create internet gateway Info

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

**Internet gateway settings**

**Name tag**  
Creates a tag with a key of 'Name' and a value that you specify.

igw-14-02

**Tags - optional**  
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key Value - optional

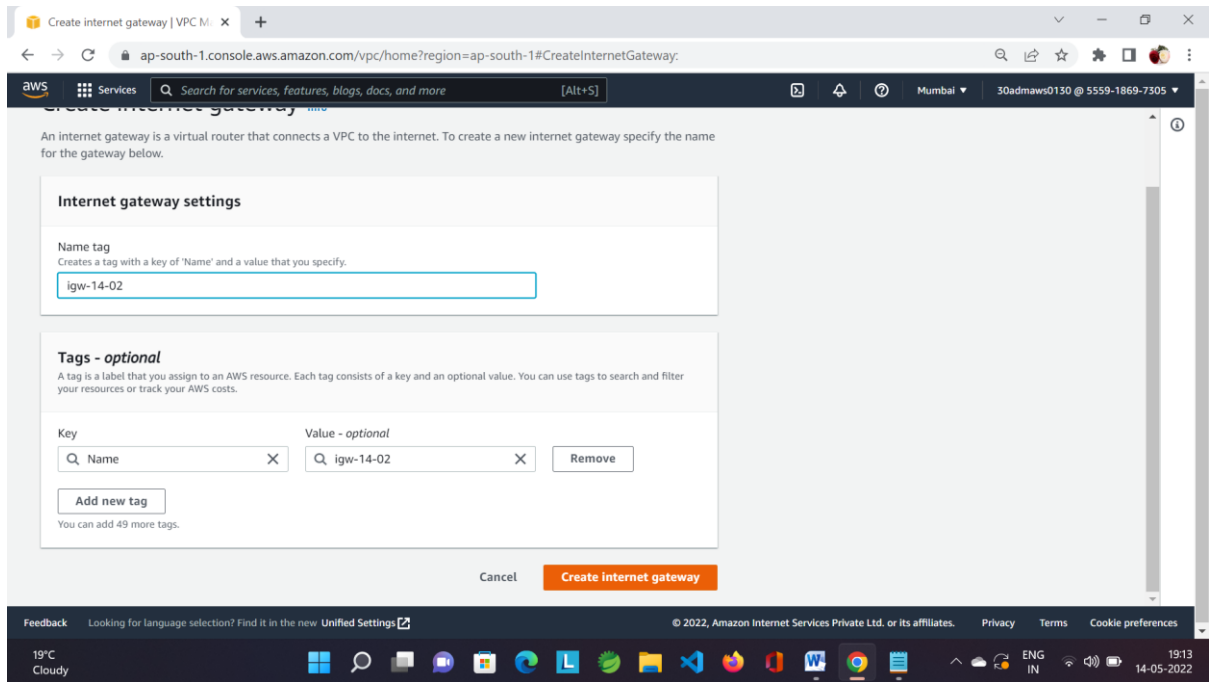
Q Name X Q igw-14-02 X Remove

Add new tag  
You can add 49 more tags.

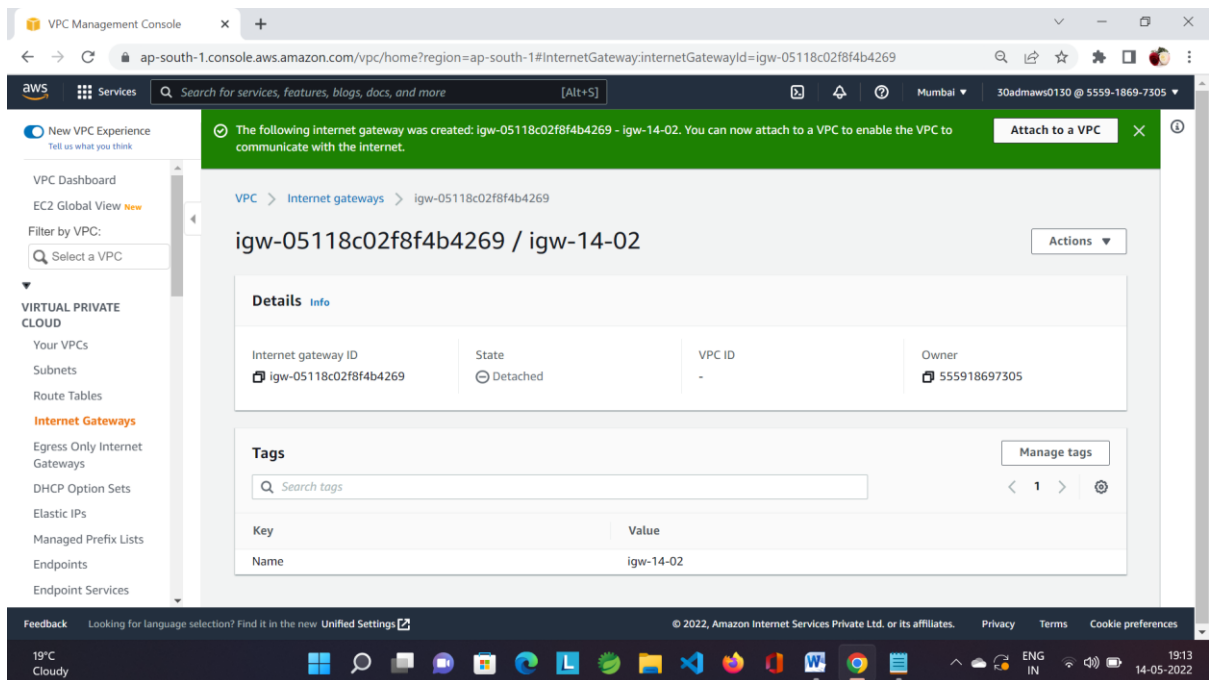
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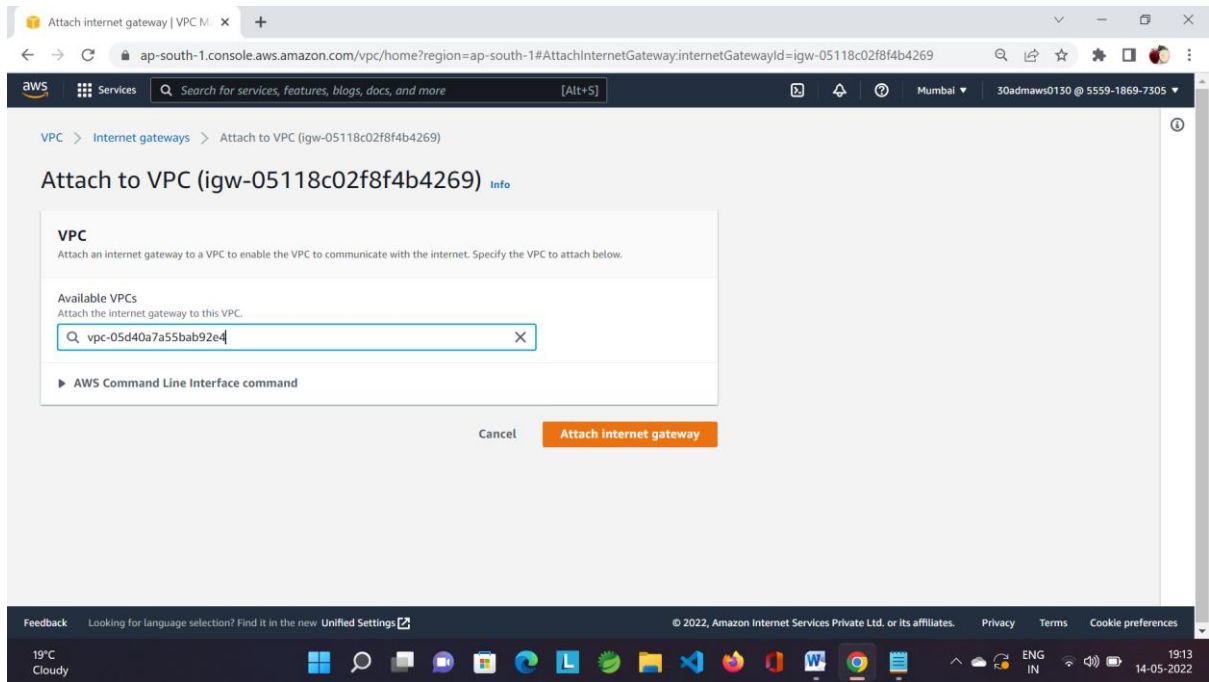
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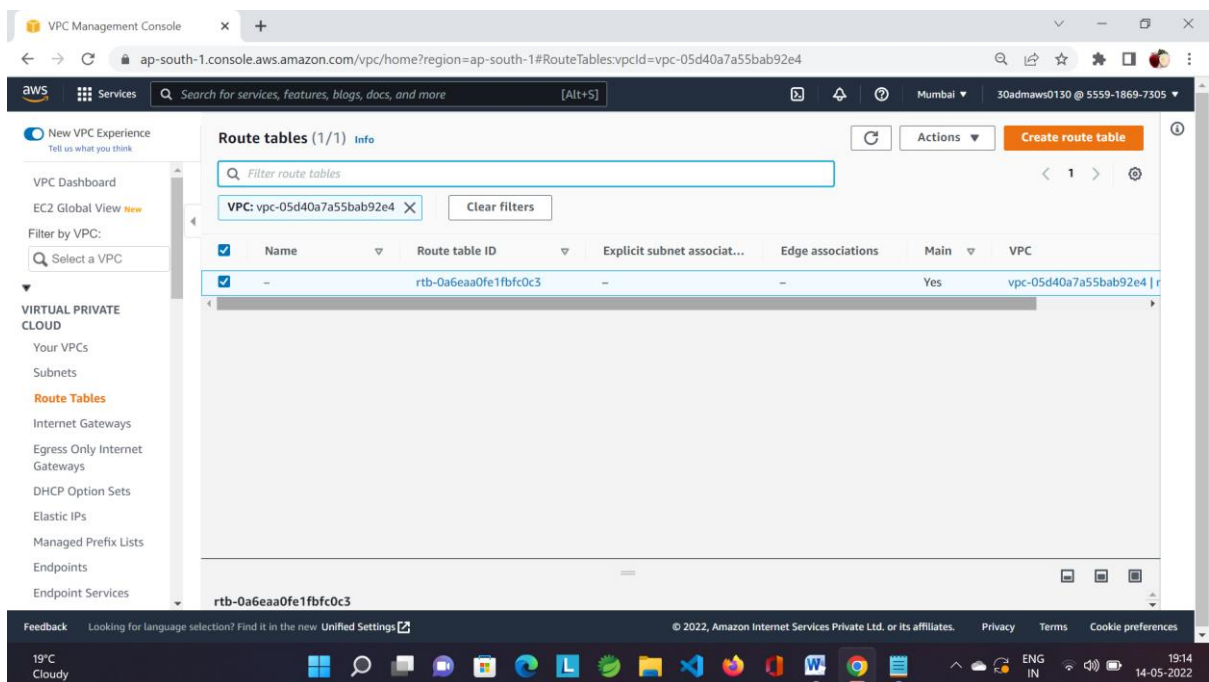
## Attach internet gateway to VPC





Find Routing table for VPC

Vpc Id : [vpc-05d40a7a55bab92e4](#)



VPC Management Console

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-0a6eaa0fe1fbfc0c3

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VPC > Route tables > rtb-0a6eaa0fe1fbfc0c3

rtb-0a6eaa0fe1fbfc0c3

Actions

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer

Details Info

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-0a6eaa0fe1fbfc0c3	Yes	-	-
VPC	Owner ID		
vpc-05d40a7a55bab92e4   my-vpc-14-02	555918697305		

Routes Subnet associations Edge associations Route propagation Tags

Routes (1) Edit routes

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## Edit routes

VPC Management Console

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-0a6eaa0fe1fbfc0c3

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VPC > Route tables > rtb-0a6eaa0fe1fbfc0c3

rtb-0a6eaa0fe1fbfc0c3

Actions

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer

Details Info

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-0a6eaa0fe1fbfc0c3	Yes	-	-
VPC	Owner ID		
vpc-05d40a7a55bab92e4   my-vpc-14-02	555918697305		

Routes Subnet associations Edge associations Route propagation Tags

Routes (1) Edit routes

Filter routes Both < 1 > ⚙

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No

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VPC Management Console

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#EditRoutes:RouteTableId=rtb-0a6eaa0fe1fbfc0c3

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VPC > Route tables > rtb-0a6eaa0fe1fbfc0c3 > Edit routes

### Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	igw-05118c02f8f4b4269 (igw-14-02)	-	No

Add route

Remove

Cancel Preview Save changes

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VPC Management Console

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#EditRoutes:RouteTableId=rtb-0a6eaa0fe1fbfc0c3

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VPC > Route tables > rtb-0a6eaa0fe1fbfc0c3 > Edit routes

### Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	igw-05118c02f8f4b4269	-	No

Add route

Remove

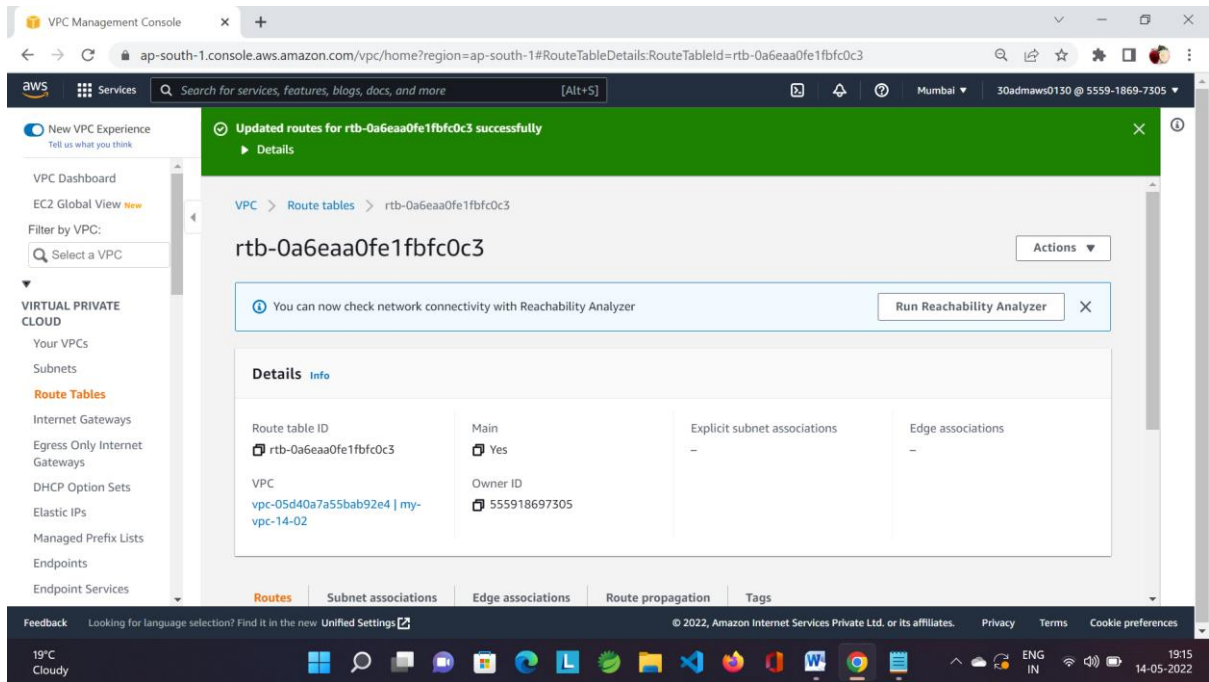
Cancel Preview Save changes

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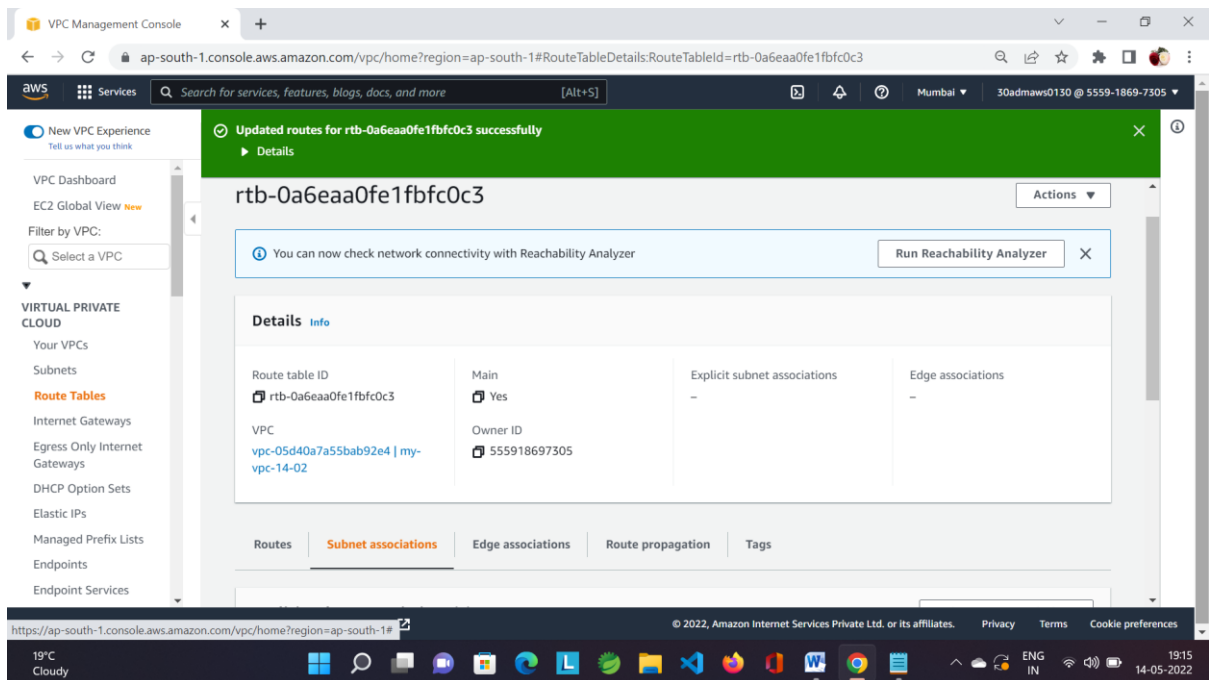
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## Edit Subnet Association



VPC Management Console

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#EditRouteTableSubnetAssociations:RouteTableId=rtb-0a6eaa0fe1fbfc0c3

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### Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (2/2)

Filter subnet associations

<input checked="" type="checkbox"/>	Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input checked="" type="checkbox"/>	my-subnet-14-02-02	subnet-081083040098628eb	10.0.1.0/24	-	Main (rtb-0a6eaa0fe1fbfc0c3)
<input checked="" type="checkbox"/>	my-subnet-14-02-01	subnet-06250603c6f82eef0	10.0.0.0/24	-	Main (rtb-0a6eaa0fe1fbfc0c3)

Selected subnets

subnet-081083040098628eb / my-subnet-14-02-02 subnet-06250603c6f82eef0 / my-subnet-14-02-01

Cancel Save associations

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VPC Management Console

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-0a6eaa0fe1fbfc0c3

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You have successfully updated subnet associations for rtb-0a6eaa0fe1fbfc0c3.

rtb-0a6eaa0fe1fbfc0c3 Yes 2 subnets

VPC vpc-05d40a7a55bab92e4 | my-vpc-14-02

Owner ID 555918697305

Routes Subnet associations Edge associations Route propagation Tags

Explicit subnet associations (2)

Find subnet association

Subnet ID	IPv4 CIDR	IPv6 CIDR
subnet-081083040098628eb / my-subnet-14-02-02	10.0.1.0/24	-
subnet-06250603c6f82eef0 / my-subnet-14-02-01	10.0.0.0/24	-

Subnets without explicit associations (0)

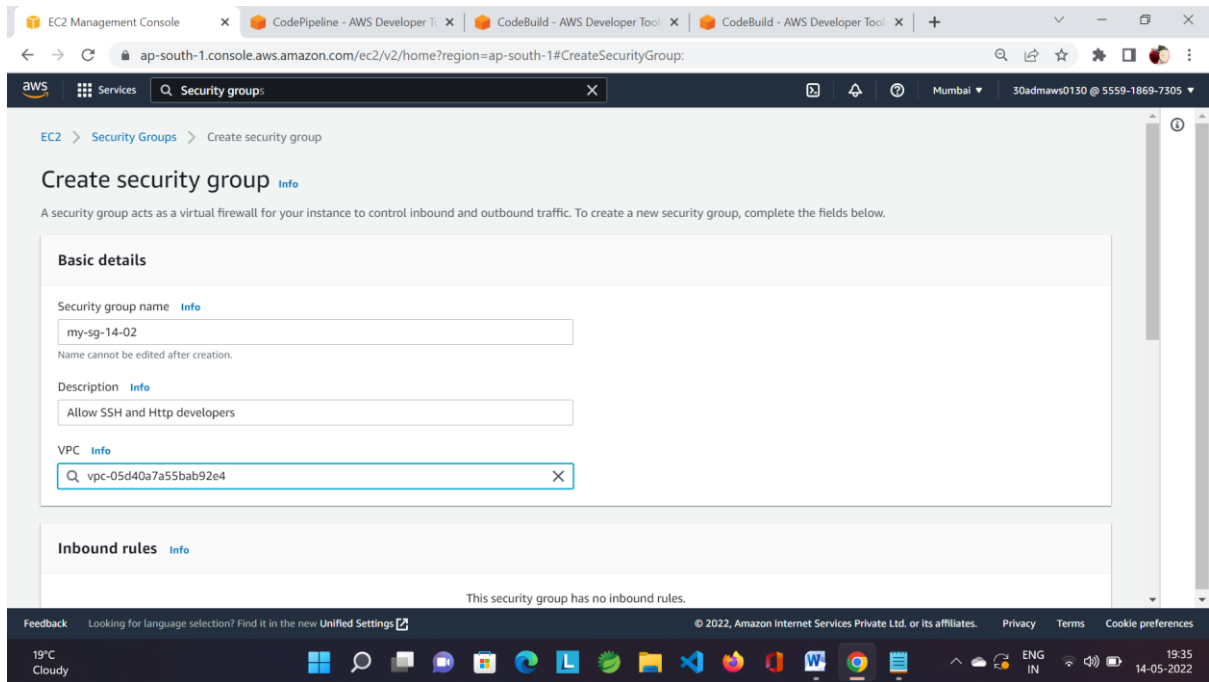
Edit subnet associations

https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#

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Create Security group for VPC



Select your VPC

Edit Inbound rules

