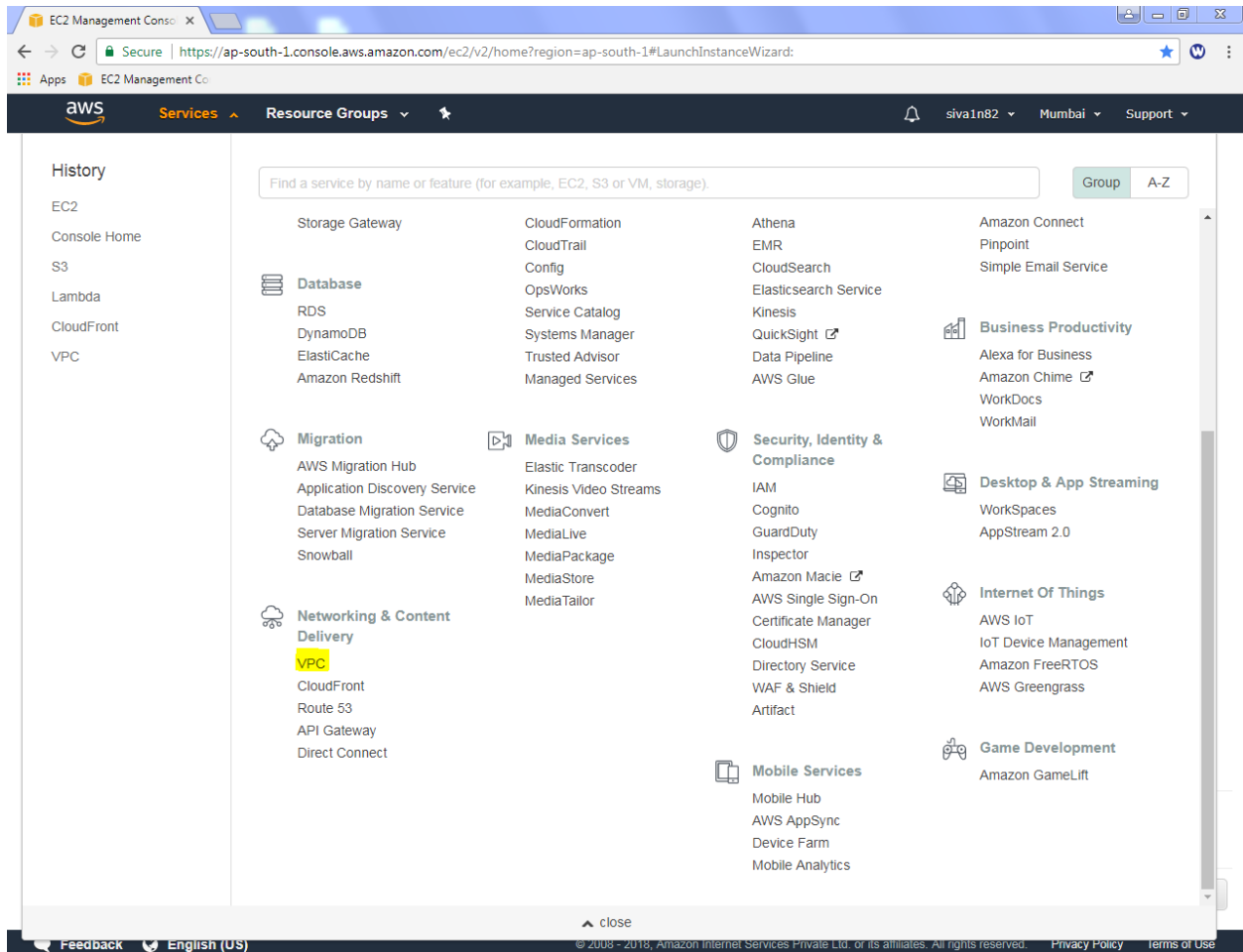


Lab14

Configure VPN between Mumbai and Ohio Region 1 of 4

While logged into AWS console we can able to see “VPC” in bottom of the page. Click “VPC”.



Click “1 VPC”.

The screenshot shows the AWS VPC Management Console interface. The left sidebar contains a navigation menu with categories like Virtual Private Cloud, Security, and VPN Connections. The main content area is titled 'Resources' and displays a summary of VPC resources in the Asia Pacific (Mumbai) region. The '1 VPC' link is highlighted in yellow. The right sidebar shows 'Service Health' for Amazon VPC and Amazon EC2, both indicating 'Service is operating normally'. At the bottom, there is a footer with 'Feedback', 'English (US)', and copyright information.

VPC Dashboard

Filter by VPC:
Select a VPC

Virtual Private Cloud

- Your VPCs
- Subnets
- Route Tables
- Internet Gateways
- Egress Only Internet Gateways
- DHCP Options Sets
- Elastic IPs
- Endpoints
- Endpoint Services
- NAT Gateways
- Peering Connections

Security

- Network ACLs
- Security Groups

VPN Connections

- Customer Gateways
- Virtual Private Gateways
- VPN Connections

Resources

[Start VPC Wizard](#) [Launch EC2 Instances](#)

Note: Your Instances will launch in the Asia Pacific (Mumbai) region.

You are using the following Amazon VPC resources in the Asia Pacific (Mumbai) region:

- 1 VPC**
- 0 Egress-only Internet Gateways
- 2 Route Tables
- 0 Elastic IPs
- 0 Endpoints
- 4 Security Groups
- 0 VPN Connections
- 0 Customer Gateways
- 1 Internet Gateway
- 2 Subnets
- 1 Network ACL
- 0 VPC Peering Connections
- 0 Nat Gateways
- 0 Running Instances
- 0 Virtual Private Gateways

VPN Connections

Amazon VPC enables you to use your own isolated resources within the AWS cloud, and then connect those resources directly to your own datacenter using industry-standard encrypted IPsec VPN connections.

[Create VPN Connection](#)

Service Health

Current Status	Details
✓ Amazon VPC - Asia Pacific (Mumbai)	Service is operating normally
✓ Amazon EC2 - Asia Pacific (Mumbai)	Service is operating normally

[View complete service health details](#)

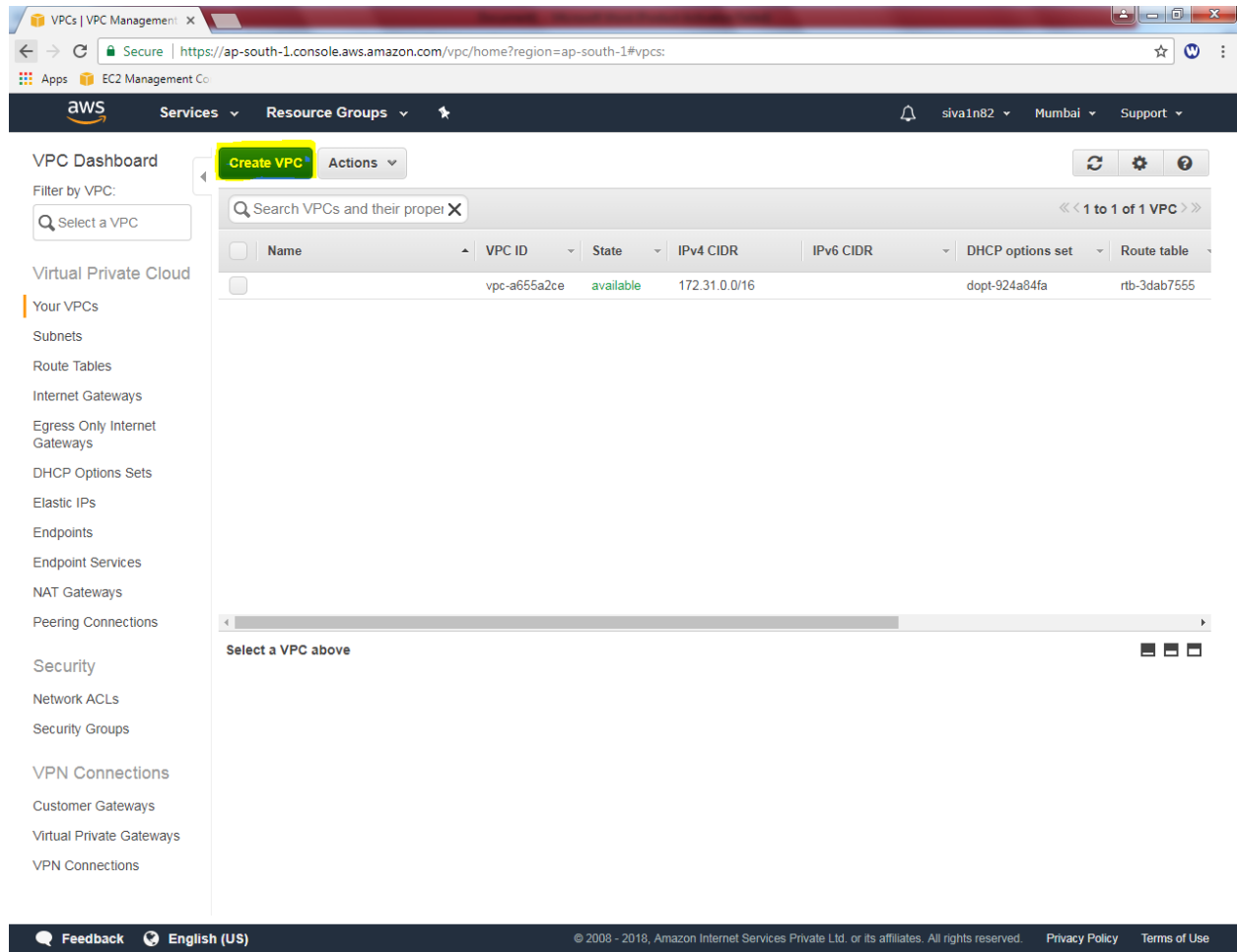
Additional Information

- [VPC Documentation](#)
- [All VPC Resources](#)
- [Forums](#)
- [Report an Issue](#)

Feedback **English (US)**

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Click “Create VPC”.



While creating VPC, name tag as “Sansbound_VPC_Mumbai”, IPV4 CIDR Block as “10.0.0.0/16” subnet then click “Yes, Create”

Create VPC

A VPC is an isolated portion of the AWS cloud populated by AWS objects, such as Amazon EC2 instances. You must specify an IPv4 address range for your VPC. Specify the IPv4 address range as a Classless Inter-Domain Routing (CIDR) block; for example, 10.0.0.0/16. You cannot specify an IPv4 CIDR block larger than /16. You can optionally associate an Amazon-provided IPv6 CIDR block with the VPC.

Name tag

IPv4 CIDR block*

IPv6 CIDR block* ☒ No IPv6 CIDR Block ☐ Amazon provided IPv6 CIDR block

Tenancy

[Cancel](#) [Yes, Create](#)

Then click subnet, click “Create subnet”.

Subnets | VPC Management

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

Apps EC2 Management Console

aws Services Resource Groups

siva1n82 Mumbai Support

VPC Dashboard

Create Subnet Subnet Actions

Filter by VPC: Select a VPC

Virtual Private Cloud

Your VPCs

Subnets

Route Tables

Internet Gateways

Egress Only Internet Gateways

DHCP Options Sets

Elastic IPs

Endpoints

Endpoint Services

NAT Gateways

Peering Connections

Security

Network ACLs

Security Groups

VPN Connections

Customer Gateways

Virtual Private Gateways

VPN Connections

Search Subnets and their properties

<< 1 to 2 of 2 Subnets >>

	Name	Subnet ID	State	VPC	IPv4 CIDR	Available IPv4	IPv6 CIDR
<input type="checkbox"/>		subnet-6cb69e21	available	vpc-a655a2ce	172.31.0.0/20	4091	
<input type="checkbox"/>		subnet-85e817ed	available	vpc-a655a2ce	172.31.16.0/20	4091	

Select a subnet above

Feedback English (US)

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While creating subnet name tag as “Sansbound_Mumbai_Public_subnet”, select VPC as Sansbound_VPC_Mumbai , Availability Zone as “1b” (Optional) and IPV4 CIDR Block as 10.0.2.0/24 subnet then click “Yes, create”.

Create Subnet

Use the CIDR format to specify your subnet's IP address block (e.g., 10.0.0.0/24). Note that block sizes must be between a /16 netmask and /28 netmask. Also, note that a subnet can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.

Name tag

Sansbound_Mumbai_Public_subnet

VPC

vpc-09fe2261 | Sansbound_VPC_Mumbai

VPC CIDRs

CIDR	Status	Status Reason
10.0.0.0/16	associated	

Availability Zone

ap-south-1b

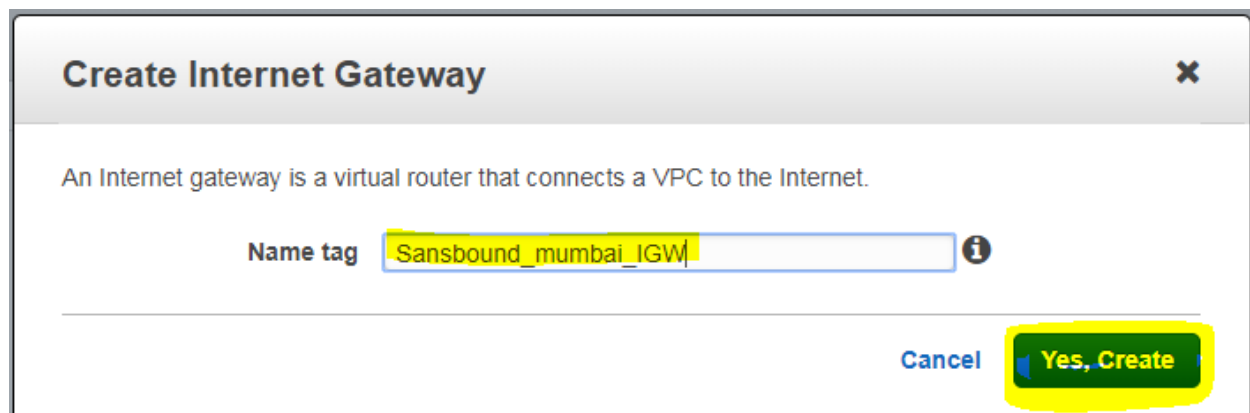
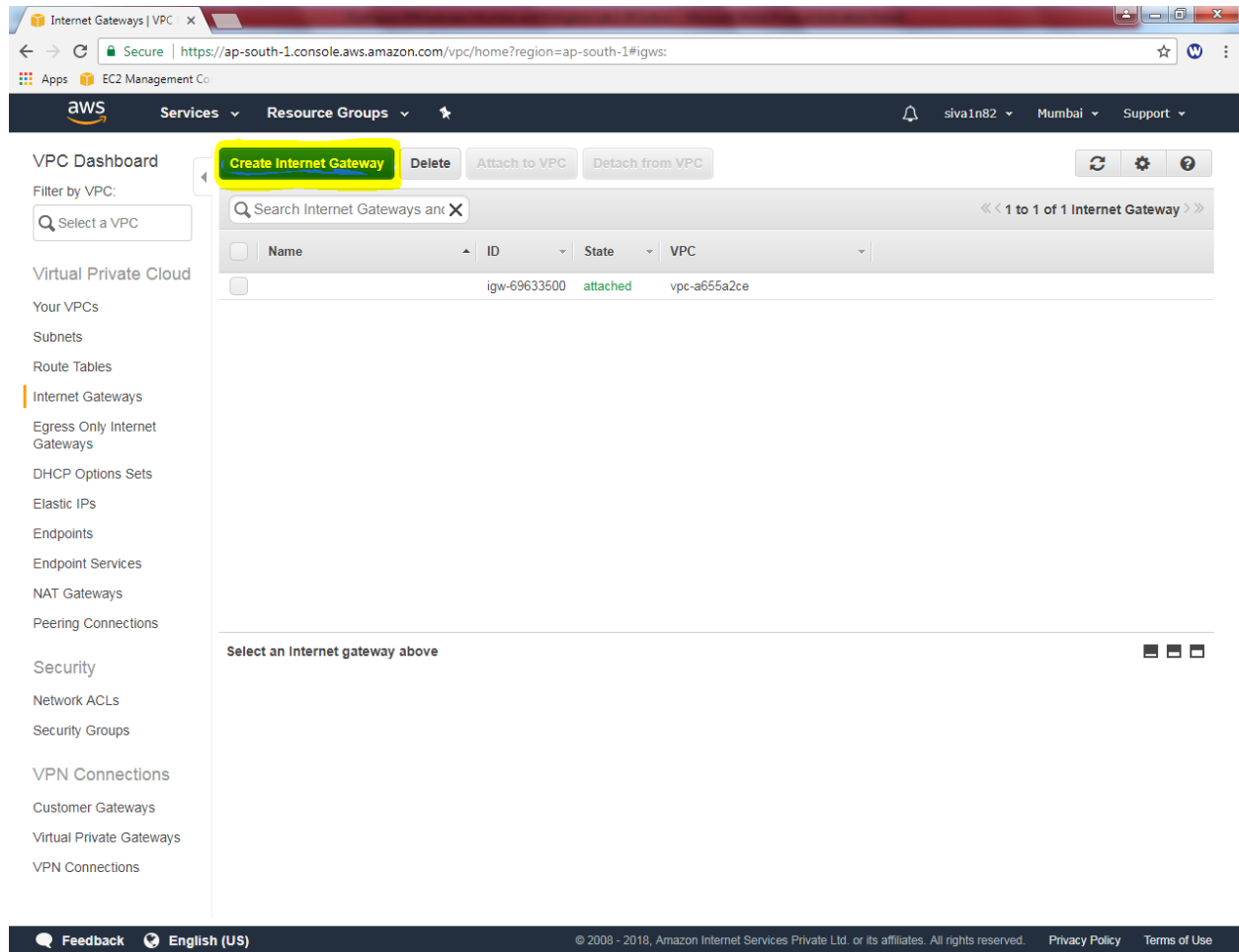
IPv4 CIDR block

10.0.2.0/24

Cancel

Yes, Create

Then we need to configure Internet gateway for the VPC. Click Internet gateway and click “Create Internet Gateway” for Mumbai VPC.



Click “Yes create”.

We can able to see that Sansbound_mumbai_IGW in detached mode. We need to attach to VPC.

Click “Attach to VPC”.

Internet Gateways | VPC

Secure | <https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#igws>

Apps EC2 Management Co

aws Services Resource Groups

silva1n82 Mumbai Support

VPC Dashboard

Filter by VPC: Select a VPC

Virtual Private Cloud

Your VPCs

Subnets

Route Tables

Internet Gateways

Egress Only Internet Gateways

DHCP Options Sets

Elastic IPs

Endpoints

Endpoint Services

NAT Gateways

Peering Connections

Security

Network ACLs

Security Groups

VPN Connections

Customer Gateways

Virtual Private Gateways

VPN Connections

Create Internet Gateway Delete Attach to VPC Detach from VPC

Search Internet Gateways and X

<< 1 to 2 of 2 Internet Gateways >>

Name	ID	State	VPC
<input checked="" type="checkbox"/> Sansbound_mumbai_IGW	igw-2d587744	detached	
<input type="checkbox"/>	igw-69633500	attached	vpc-a655a2ce

igw-2d587744 | Sansbound_mumbai_IGW

Summary Tags

ID: igw-2d587744 | Sansbound_mumbai_IGW

State: detached

Attached VPC ID:

Attachment state:

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Attach to VPC

Attach an Internet gateway to a VPC to enable communication with the Internet.

VPC vpc-09fe2261 | Sansbound_VPC_Mumbai

Cancel Yes, Attach

Click “Yes, Attach”.

Rename the Mumbai route table as “Sansbound_public_route”. Then click “route” tab,

Click “Edit”.

The screenshot shows the AWS VPC Dashboard for the region 'ap-south-1'. The left sidebar contains a navigation menu with categories like Virtual Private Cloud, Security, and VPN Connections. The main content area displays a list of Route Tables. The 'Sansbound_public_route' (ID: rtb-7d6de015) is selected. Below the list, the details for this route table are shown, including a table of routes. The 'Edit' button is highlighted with a yellow box.

VPC Dashboard

Filter by VPC:

Virtual Private Cloud

- Your VPCs
- Subnets
- Route Tables**
- Internet Gateways
- Egress Only Internet Gateways
- DHCP Options Sets
- Elastic IPs
- Endpoints
- Endpoint Services
- NAT Gateways
- Peering Connections

Security

- Network ACLs
- Security Groups

VPN Connections

- Customer Gateways
- Virtual Private Gateways
- VPN Connections

Route Tables

Search Route Tables and their associated subnets

Name	Route Table ID	Explicitly Associated Subnets	Main	VPC
<input checked="" type="checkbox"/> Sansbound_public_route	rtb-7d6de015	0 Subnets	Yes	vpc-09fe2261 Sansbound_VPC...
<input type="checkbox"/>	rtb-91b209f9	0 Subnets	No	vpc-a655a2ce
<input type="checkbox"/>	rtb-3dab7555	0 Subnets	Yes	vpc-a655a2ce

rtb-7d6de015

Summary Routes Subnet Associations Route Propagation Tags

Edit

View: All rules

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No

Click “Add another route”.

The screenshot displays the AWS Management Console VPC Dashboard. The left sidebar shows the navigation menu with categories like Virtual Private Cloud, Security, and VPN Connections. The main content area shows a list of Route Tables. The 'Sansbound_public_route' (rtb-7d6de015) is selected. Below the list, the 'Routes' tab is active for this route table, showing a single route with destination 10.0.0.0/16 and a local target. A yellow box highlights the 'Add another route' button.

Route Tables List:

Name	Route Table ID	Explicitly Associat	Main	VPC
<input checked="" type="checkbox"/> Sansbound_public_route	rtb-7d6de015	0 Subnets	Yes	vpc-09fe2261 Sansbound_VPC...
<input type="checkbox"/>	rtb-91b209f9	0 Subnets	No	vpc-a655a2ce
<input type="checkbox"/>	rtb-3dab7555	0 Subnets	Yes	vpc-a655a2ce

Route Details for rtb-7d6de015:

Summary | **Routes** | Subnet Associations | Route Propagation | Tags

Cancel Save

View: All rules

Destination	Target	Status	Propagated	Remove
10.0.0.0/16	local	Active	No	

Add another route

Add default route 0.0.0.0/0 and select “igw-*” as target. Click “save”.

The screenshot shows the AWS VPC console interface. On the left is a navigation menu with categories like Virtual Private Cloud, Security, and VPN Connections. The main area displays the 'Routes' tab for route table 'rtb-7d6de015'. A table lists existing routes, and a new route is being added with the destination '0.0.0.0/0' and target 'igw-2d587744'. The 'Save' button is highlighted in yellow.

Destination	Target	Status	Propagated	Remove
10.0.0.0/16	local	Active	No	
0.0.0.0/0	igw-2d587744		No	

Click “Subnet associations” tab click “Edit”.

The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information. The left sidebar lists various AWS services under categories like Virtual Private Cloud, Security, and VPN Connections. The main content area displays the 'VPC Dashboard' with buttons for 'Create Route Table', 'Delete Route Table', and 'Set As Main Table'. Below these is a search bar and a table of route tables. The table has columns for Name, Route Table ID, Explicitly Associated, Main, and VPC. Three route tables are listed: 'Sansbound_public_route' (ID: rtb-7d6de015), 'rtb-91b209f9', and 'rtb-3dab7555'. The 'Sansbound_public_route' is selected, and its details are shown in a modal window. The modal has tabs for 'Summary', 'Routes', 'Subnet Associations', 'Route Propagation', and 'Tags'. The 'Subnet Associations' tab is active, showing a message: 'You do not have any subnet associations. The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table:'. Below this message is a table with columns 'Subnet', 'IPv4 CIDR', and 'IPv6 CIDR'. One subnet is listed: 'subnet-07d1c44a | Sansbound_Mumbai_Public_subnet' with IPv4 CIDR '10.0.2.0/24' and IPv6 CIDR '-'. An 'Edit' button is highlighted in the modal.

Route Tables | VPC Management

Secure | <https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#routetables>

Apps EC2 Management Console

aws Services Resource Groups

silva1n82 Mumbai Support

VPC Dashboard

Filter by VPC: Select a VPC

Virtual Private Cloud

Your VPCs

Subnets

Route Tables

Internet Gateways

Egress Only Internet Gateways

DHCP Options Sets

Elastic IPs

Endpoints

Endpoint Services

NAT Gateways

Peering Connections

Security

Network ACLs

Security Groups

VPN Connections

Customer Gateways

Virtual Private Gateways

VPN Connections

Create Route Table Delete Route Table Set As Main Table

Search Route Tables and their VPCs

1 to 3 of 3 Route Tables

Name	Route Table ID	Explicitly Associated	Main	VPC
<input checked="" type="checkbox"/> Sansbound_public_route	rtb-7d6de015	0 Subnets	Yes	vpc-09fe2261 Sansbound_VPC...
<input type="checkbox"/> rtb-91b209f9	rtb-91b209f9	0 Subnets	No	vpc-a655a2ce
<input type="checkbox"/> rtb-3dab7555	rtb-3dab7555	0 Subnets	Yes	vpc-a655a2ce

rtb-7d6de015

Summary Routes Subnet Associations Route Propagation Tags

Edit

Subnet	IPv4 CIDR	IPv6 CIDR
You do not have any subnet associations.		
The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table:		
Subnet	IPv4 CIDR	IPv6 CIDR
subnet-07d1c44a Sansbound_Mumbai_Public_subnet	10.0.2.0/24	-

Feedback English (US)

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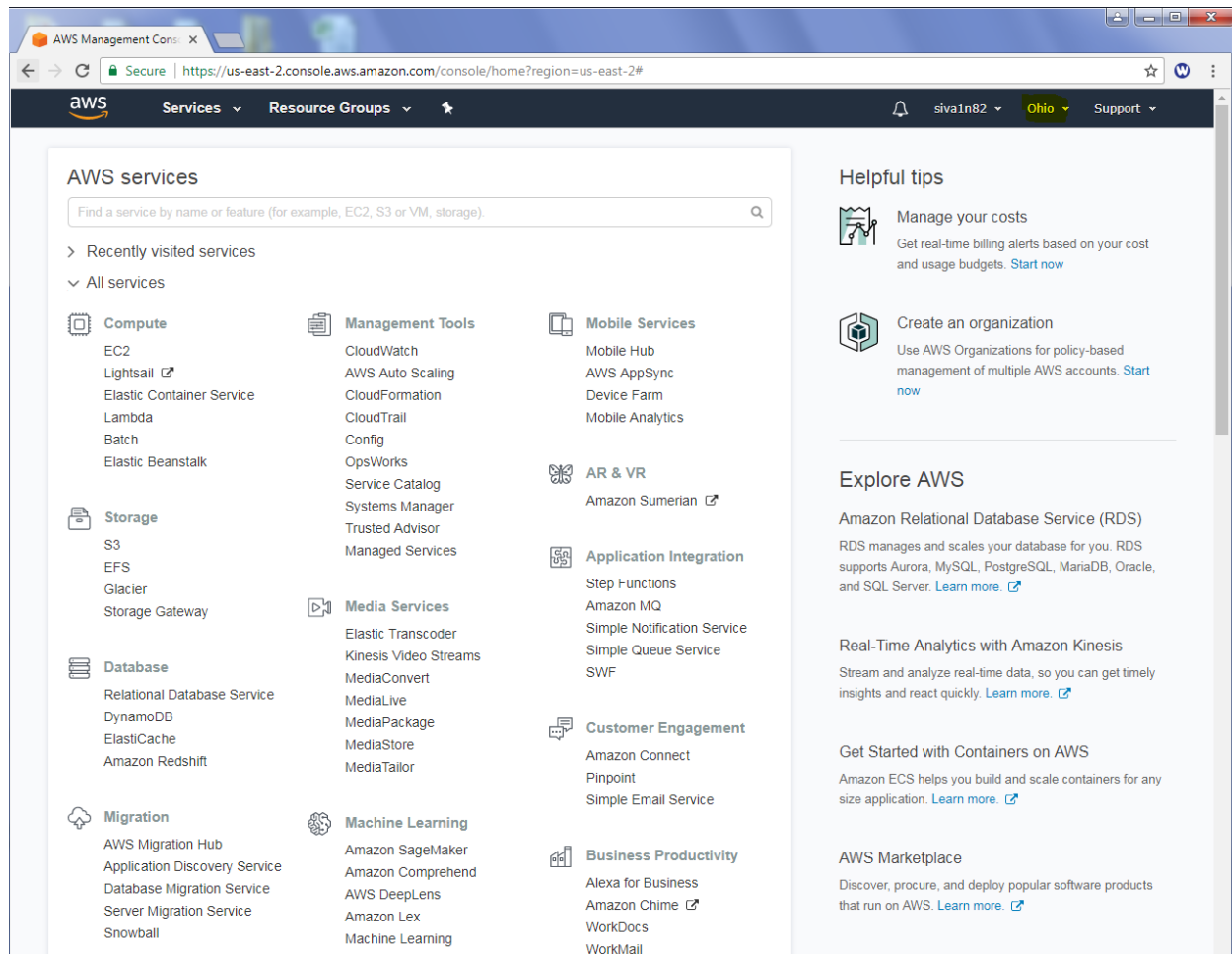
Click check box “Sansbound_Mumbai_public_subnet” and click “save”.

The screenshot displays the AWS VPC Dashboard for the 'ap-south-1' region. The 'Route Tables' section is active, showing a list of three route tables. The first table, 'Sansbound_public_route' (ID: rtb-7d6de015), is selected. Below the list, the 'Subnet Associations' tab for this table is open, showing a single association with the subnet 'subnet-07d1c44a' (ID: Sansbound_Mumbai_Public_subnet) and the IPv4 CIDR '10.0.2.0/24'. The 'Save' button is highlighted in yellow.

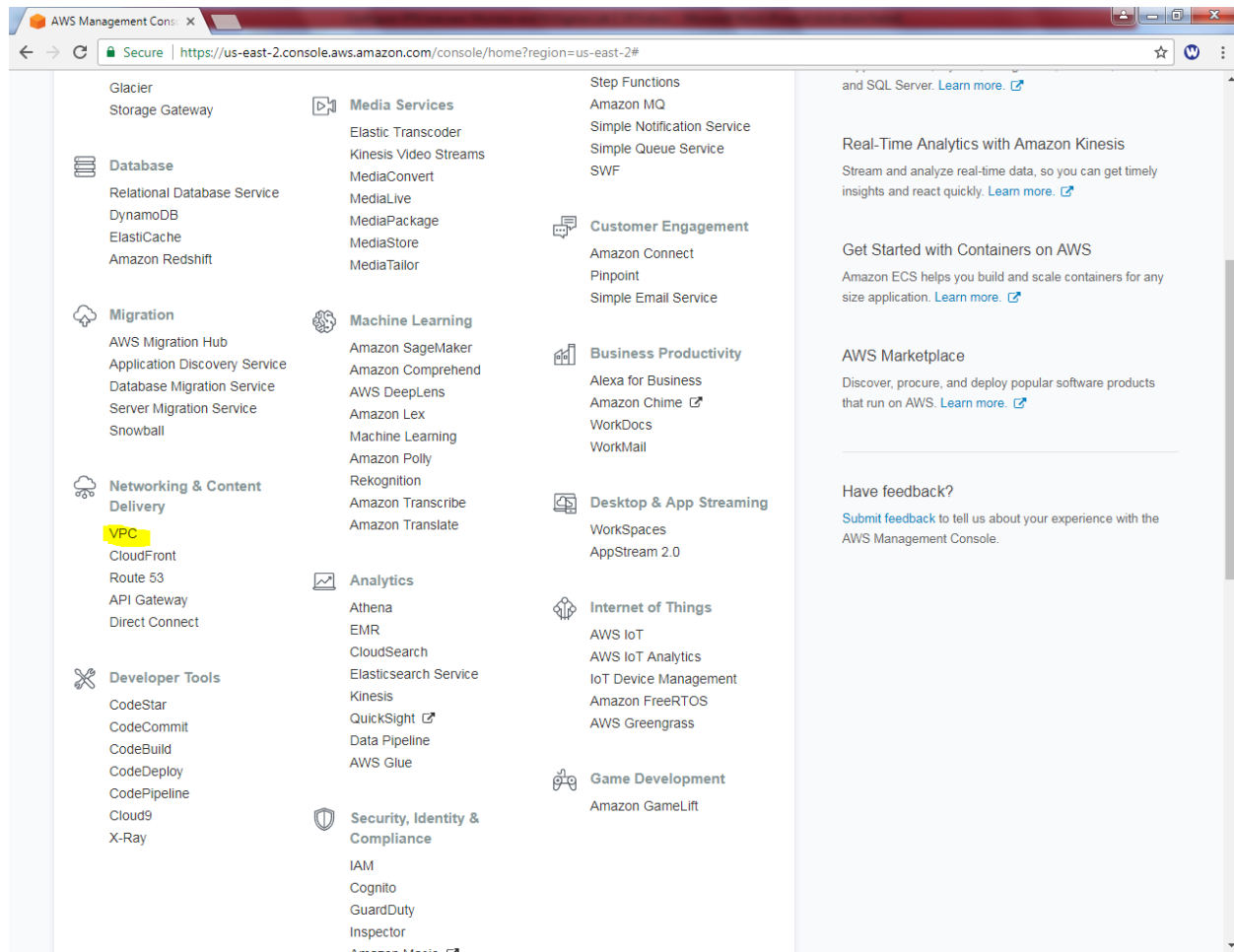
Name	Route Table ID	Explicitly Associat	Main	VPC
Sansbound_public_route	rtb-7d6de015	0 Subnets	Yes	vpc-09fe2261 Sansbound_VPC...
	rtb-91b209f9	0 Subnets	No	vpc-a655a2ce
	rtb-3dab7555	0 Subnets	Yes	vpc-a655a2ce

Associate	Subnet	IPv4 CIDR	IPv6 CIDR	Current Route Table
<input checked="" type="checkbox"/>	subnet-07d1c44a Sansbound_Mumbai_Public_subnet	10.0.2.0/24	-	Main

Go to Ohio Region,



Click “VPC”.



Click “1 VPC”.

The screenshot shows the AWS VPC Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a user profile 'siva1n82' in the 'Ohio' region. The left sidebar contains a 'VPC Dashboard' with a search filter and a list of VPC-related resources. The main content area is titled 'Resources' and displays a list of resources in the 'us-east-2' region. A note indicates that instances will launch in the 'us-east-2' region. Below the resource list, there is a section for 'VPN Connections' with a 'Create VPN Connection' button. On the right, the 'Service Health' section shows the status of Amazon VPC and Amazon EC2, both of which are 'operating normally'. The bottom of the page features a footer with 'Feedback', 'English (US)', and copyright information.

VPC Dashboard

Filter by VPC:

Select a VPC

Virtual Private Cloud

Your VPCs

Subnets

Route Tables

Internet Gateways

Egress Only Internet Gateways

DHCP Options Sets

Elastic IPs

Endpoints

Endpoint Services

NAT Gateways

Peering Connections

Security

Network ACLs

Security Groups

VPN Connections

Customer Gateways

Virtual Private Gateways

VPN Connections

Resources

Start VPC Wizard Launch EC2 Instances

Note: Your Instances will launch in the US East (Ohio) region.

You are using the following Amazon VPC resources in the US East (Ohio) region:

1 VPC	1 Internet Gateway
0 Egress-only Internet Gateways	3 Subnets
1 Route Table	1 Network ACL
0 Elastic IPs	0 VPC Peering Connections
0 Endpoints	0 Nat Gateways
4 Security Groups	0 Running Instances
0 VPN Connections	0 Virtual Private Gateways
0 Customer Gateways	

VPN Connections

Amazon VPC enables you to use your own isolated resources within the AWS cloud, and then connect those resources directly to your own datacenter using industry-standard encrypted IPsec VPN connections.

Create VPN Connection

Service Health

Current Status	Details
Amazon VPC - US East (Ohio)	Service is operating normally
Amazon EC2 - US East (Ohio)	Service is operating normally

[View complete service health details](#)

Additional Information

[VPC Documentation](#)

[All VPC Resources](#)

[Forums](#)

[Report an Issue](#)

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Click “Create VPC”.

The screenshot displays the AWS VPC Dashboard in a web browser. The browser's address bar shows the URL: <https://us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#vpcs>. The AWS navigation bar at the top includes the AWS logo, 'Services', 'Resource Groups', and user information for 'siva1n82' in the 'Ohio' region. The left-hand navigation menu lists various VPC-related services: 'Your VPCs', 'Subnets', 'Route Tables', 'Internet Gateways', 'Egress Only Internet Gateways', 'DHCP Options Sets', 'Elastic IPs', 'Endpoints', 'Endpoint Services', 'NAT Gateways', 'Peering Connections', 'Security', 'Network ACLs', 'Security Groups', 'VPN Connections', 'Customer Gateways', 'Virtual Private Gateways', and 'VPN Connections'. The main content area is titled 'VPC Dashboard' and features a 'Create VPC' button and an 'Actions' dropdown. Below this is a search bar labeled 'Search VPCs and their properties'. A table lists the VPCs, with one VPC visible: 'vpc-1de10e75' in an 'available' state, with IPv4 CIDR '172.31.0.0/16', DHCP options set 'dopt-5205f83a', route table 'rtb-e0f42188', and network ACL 'acl-94fc3d'. The table has columns for Name, VPC ID, State, IPv4 CIDR, IPv6 CIDR, DHCP options set, Route table, and Network ACL. At the bottom of the dashboard, there is a 'Select a VPC above' prompt and a horizontal scrollbar.

VPC Dashboard

Filter by VPC:

Search VPCs and their properties

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP options set	Route table	Network ACL
	vpc-1de10e75	available	172.31.0.0/16		dopt-5205f83a	rtb-e0f42188	acl-94fc3d

Select a VPC above

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In Name tag, “Sansbound_Ohio_VPC”, IPV4 CIDR Block as 192.168.0.0/16 subnet

Create VPC ✕

A VPC is an isolated portion of the AWS cloud populated by AWS objects, such as Amazon EC2 instances. You must specify an IPv4 address range for your VPC. Specify the IPv4 address range as a Classless Inter-Domain Routing (CIDR) block; for example, 10.0.0.0/16. You cannot specify an IPv4 CIDR block larger than /16. You can optionally associate an Amazon-provided IPv6 CIDR block with the VPC.

Name tag ⓘ

IPv4 CIDR block* ⓘ

IPv6 CIDR block* ☒ No IPv6 CIDR Block ⓘ
☐ Amazon provided IPv6 CIDR block

Tenancy ⓘ

[Cancel](#) [Yes, Create](#)

Click “Yes, create”.

You have successfully created VPC.

The screenshot displays the AWS VPC Dashboard in the us-east-2 region. The left sidebar shows navigation options under 'Virtual Private Cloud' and 'Security'. The main content area shows a table of VPCs with columns for Name, VPC ID, State, IPv4 CIDR, IPv6 CIDR, DHCP options set, Route table, and Network ACL. Below the table, the details for 'vpc-0d56fb65 | Sansbound_Ohio_VPC' are shown, including tabs for Summary, CIDR Blocks, Flow Logs, and Tags. The Summary tab is active, displaying VPC ID, State, IPv4 CIDR, IPv6 CIDR, Network ACL, Tenancy, DNS resolution, and DNS hostnames.

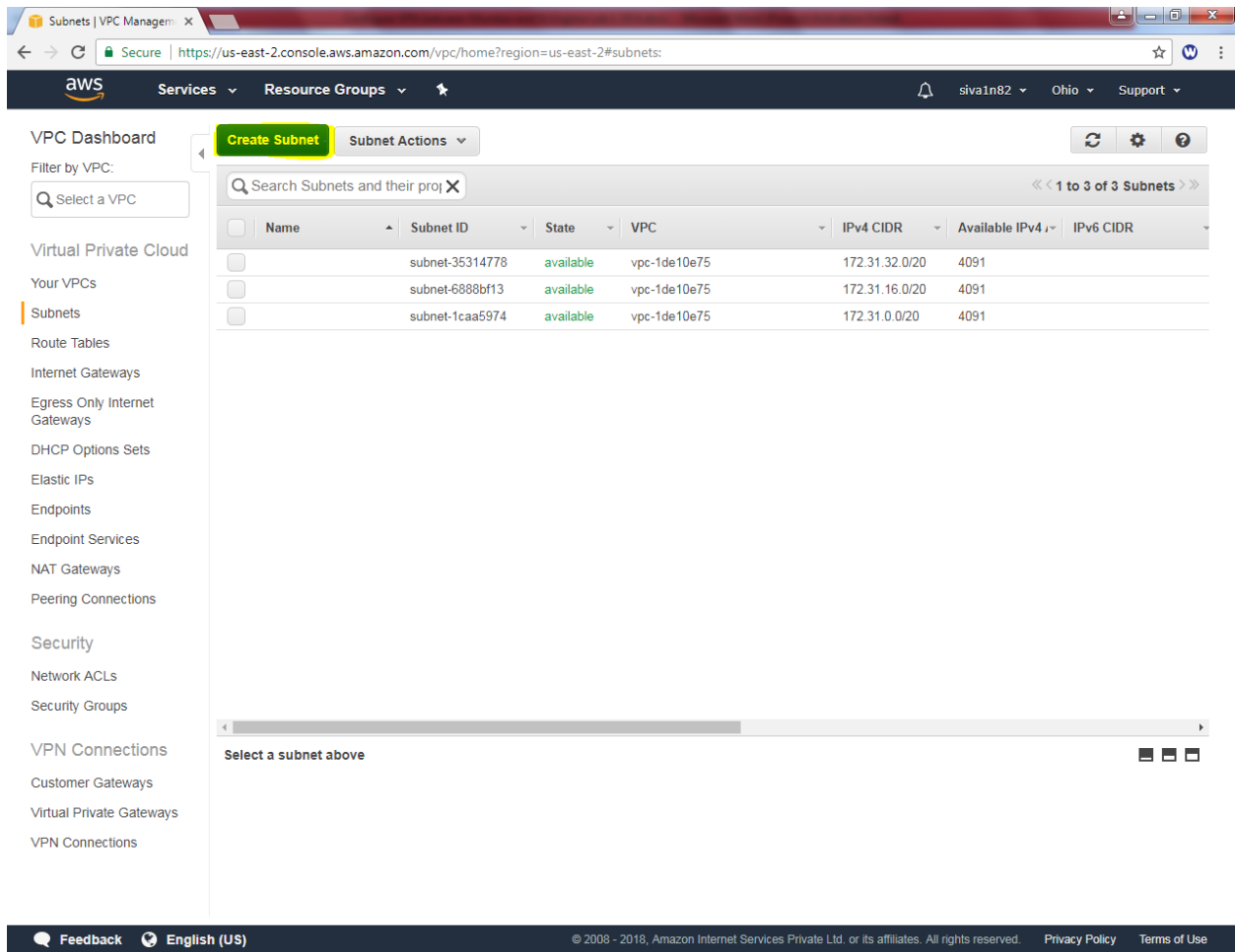
Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP options set	Route table	Network ACL
Sansbound_Ohio_VPC	vpc-0d56fb65	available	192.168.0.0/16		dopt-5205f83a	rtb-690a9401	acl-a421a1cc
	vpc-1de10e75	available	172.31.0.0/16		dopt-5205f83a	rtb-e0f42188	acl-94fc3f

vpc-0d56fb65 | Sansbound_Ohio_VPC

Summary | CIDR Blocks | Flow Logs | Tags

VPC ID: vpc-0d56fb65 | Sansbound_Ohio_VPC
State: available
IPv4 CIDR: 192.168.0.0/16
IPv6 CIDR:
Network ACL: [acl-a421a1cc](#)
Tenancy: Default
DNS resolution: yes
DNS hostnames: no

Click Subnets and click “Create Subnet”.



The screenshot displays the AWS VPC Subnets console. The left sidebar shows the navigation menu with 'Subnets' selected. The main content area shows a list of subnets with columns for Name, Subnet ID, State, VPC, IPv4 CIDR, Available IPv4, and IPv6 CIDR. Three subnets are listed, all in an 'available' state.

Name	Subnet ID	State	VPC	IPv4 CIDR	Available IPv4	IPv6 CIDR
	subnet-35314778	available	vpc-1de10e75	172.31.32.0/20	4091	
	subnet-6888bf13	available	vpc-1de10e75	172.31.16.0/20	4091	
	subnet-1caa5974	available	vpc-1de10e75	172.31.0.0/20	4091	

While creating subnet, name tag as “Sansbound_Public_Subnet_Ohio”, vpc “Sansbound_Ohio_VPC”, availability zone as “2b” and IPV4 CIDR 192.168.2.0/24.

Create Subnet ✕

Use the CIDR format to specify your subnet's IP address block (e.g., 10.0.0.0/24). Note that block sizes must be between a /16 netmask and /28 netmask. Also, note that a subnet can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.

Name tag ⓘ

VPC ⓘ

VPC CIDRs

CIDR	Status	Status Reason
192.168.0.0/16	associated	

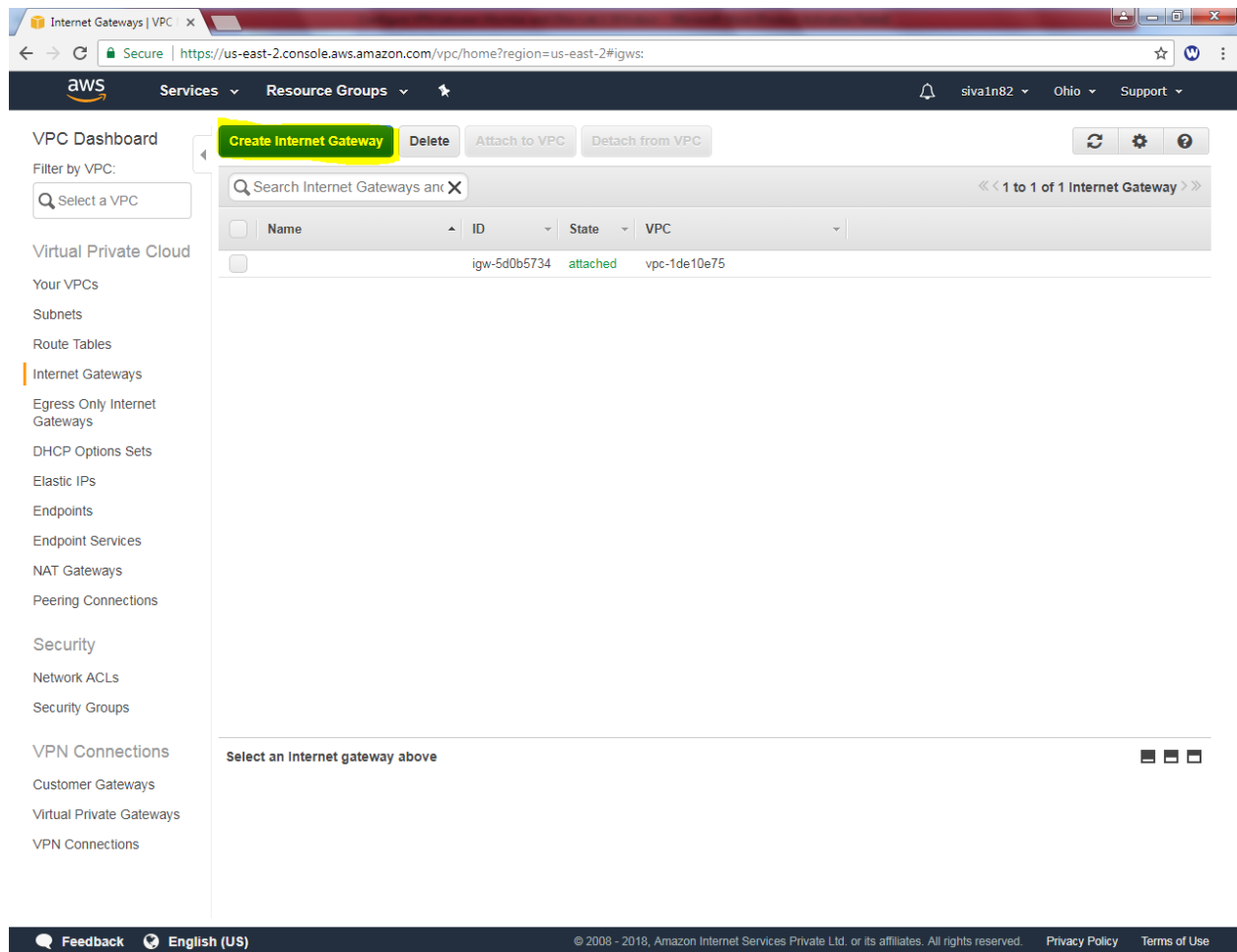
Availability Zone ⓘ

IPv4 CIDR block ⓘ

[Cancel](#) [Yes, Create](#)

Click “Yes, create”.

Click Internet Gateways and click “Create Internet Gateway”



The screenshot displays the AWS Management Console interface for the 'Internet Gateways' section. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information. The left sidebar lists various VPC-related services, with 'Internet Gateways' currently selected. The main content area features a 'VPC Dashboard' with buttons for 'Create Internet Gateway' (highlighted in yellow), 'Delete', 'Attach to VPC', and 'Detach from VPC'. Below these buttons is a search bar and a table of Internet Gateways. The table has columns for Name, ID, State, and VPC. One gateway is listed with ID 'igw-5d0b5734' and State 'attached', associated with VPC 'vpc-1de10e75'. The bottom of the console shows a footer with 'Feedback', 'English (US)', and copyright information.

Name	ID	State	VPC
	igw-5d0b5734	attached	vpc-1de10e75

Type "Sansbound_Ohio_IGW" then click "Yes, create".

Create Internet Gateway ✕

An Internet gateway is a virtual router that connects a VPC to the Internet.

Name tag i

[Cancel](#) [Yes, Create](#)

Sansbound_Ohio_IGW is in detached mode, we need to attach to VPC. Click "Attach to VPC".

Internet Gateways | VPC

Secure | <https://us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#igws>

aws Services Resource Groups

VPC Dashboard

Filter by VPC: Select a VPC

Virtual Private Cloud

Your VPCs

Subnets

Route Tables

Internet Gateways

Egress Only Internet Gateways

DHCP Options Sets

Elastic IPs

Endpoints

Endpoint Services

NAT Gateways

Peering Connections

Security

Network ACLs

Security Groups

VPN Connections

Customer Gateways

Virtual Private Gateways

VPN Connections

Create Internet Gateway Delete Attach to VPC Detach from VPC

Search Internet Gateways and X

<< 1 to 2 of 2 Internet Gateways >>

<input type="checkbox"/>	Name	ID	State	VPC
<input checked="" type="checkbox"/>	Sanbound_Ohio_IGW	igw-909a9df9	detached	
<input type="checkbox"/>		igw-5d0b5734	attached	vpc-1de10e75

igw-909a9df9 | Sanbound_Ohio_IGW

Summary Tags

ID: igw-909a9df9 | Sanbound_Ohio_IGW

State: detached

Attached VPC ID:

Attachment state:

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Click “Yes, Attach”.

Attach to VPC

×

Attach an Internet gateway to a VPC to enable communication with the Internet.

VPC ⓘ

Cancel Yes, Attach

Your VPC is attached with Internet gateway.

The screenshot shows the AWS Management Console interface for Internet Gateways. The left sidebar contains navigation links for VPC Dashboard, Virtual Private Cloud, and various network services. The main content area displays a table of Internet Gateways. The first gateway, 'Sanbound_Ohio_IGW', is highlighted and its details are shown in the summary tab below the table.

Name	ID	State	VPC
Sanbound_Ohio_IGW	igw-909a9df9	attached	vpc-0d56fb65 Sansbound_Ohio...
	igw-5d0b5734	attached	vpc-1de10e75

igw-909a9df9 | Sansbound_Ohio_IGW

Summary | Tags

ID: igw-909a9df9 | Sansbound_Ohio_IGW
State: attached

Attached VPC ID: vpc-0d56fb65 | Sansbound_Ohio_VPC
Attachment state: available

Rename the routing table

The screenshot displays the AWS Management Console interface for Route Tables. The left sidebar shows the navigation menu with 'Route Tables' highlighted. The main content area shows a list of route tables. The selected route table, 'Sansbound Public Route Ohid' (ID: rtb-690a9401), is highlighted. A modal dialog is open for editing this route table. The summary section of the modal shows the following details:

Property	Value
Route Table ID	rtb-690a9401
Explicitly Associated With	0 Subnets
Main	yes
VPC	vpc-0d56fb65 Sansbound_Ohio_VPC

Click "Edit".

The screenshot shows the AWS Management Console interface for Route Tables. The left sidebar contains navigation links for VPC Dashboard, Virtual Private Cloud, and various network services. The main content area displays a list of route tables, with 'Sansbound Public route ohio' selected. Below the list, the detailed view for this route table is shown, including tabs for Summary, Routes, Subnet Associations, Route Propagation, and Tags. The 'Routes' tab is active, showing a single route with destination 192.168.0.0/16 and target 'local'.

Route Tables List:

Name	Route Table ID	Explicitly Associat	Main	VPC
	rtb-e0f42188	0 Subnets	Yes	vpc-1de10e75
<input checked="" type="checkbox"/> Sansbound Public route ohio	rtb-690a9401	0 Subnets	Yes	vpc-0d56fb65 Sansbound_Ohio...

Route Table Details: rtb-690a9401

Routes:

Destination	Target	Status	Propagated
192.168.0.0/16	local	Active	No

The screenshot shows the AWS Management Console interface for Route Tables. The left sidebar contains navigation links for VPC Dashboard, Virtual Private Cloud, and various network services. The main content area displays a list of route tables, with 'Sansbound Public route ohio' selected. Below the list, the detailed view for this route table is shown, including tabs for Summary, Routes, Subnet Associations, Route Propagation, and Tags. The 'Routes' tab is active, showing a single route with destination 192.168.0.0/16 and target 'local'. The 'Add another route' button is highlighted in yellow.

Route Tables List:

Name	Route Table ID	Explicitly Associat	Main	VPC
	rtb-e0f42188	0 Subnets	Yes	vpc-1de10e75
<input checked="" type="checkbox"/> Sansbound Public route ohio	rtb-690a9401	0 Subnets	Yes	vpc-0d56fb65 Sansbound_Ohio...

Route Details for rtb-690a9401:

Destination	Target	Status	Propagated	Remove
192.168.0.0/16	local	Active	No	

Buttons: Create Route Table, Delete Route Table, Set As Main Table, Cancel, Save, Add another route

Type default route 0.0.0.0/0 in destination and Select Igw-* as target.

The screenshot shows the AWS Management Console interface for Route Tables. The left sidebar contains navigation links for VPC Dashboard, Virtual Private Cloud, Your VPCs, Subnets, Route Tables (selected), Internet Gateways, Egress Only Internet Gateways, DHCP Options Sets, Elastic IPs, Endpoints, Endpoint Services, NAT Gateways, Peering Connections, Security, Network ACLs, Security Groups, VPN Connections, Customer Gateways, Virtual Private Gateways, and VPN Connections.

The main content area displays the 'Routes' tab for Route Table **rtb-690a9401**. The 'Routes' section shows a table with the following data:

Destination	Target	Status	Propagated	Remove
192.168.0.0/16	local	Active	No	
0.0.0.0/0	igw-909a9df9 Sansbound_Ohio_IGW		No	

The 'Add another route' button is visible at the bottom of the table.

Then Click “Save”.

Click “Edit”.

The screenshot shows the AWS Management Console interface for Route Tables. The left sidebar contains navigation links for VPC Dashboard, Virtual Private Cloud, and various network services. The main content area displays a list of route tables. The selected route table, 'Sansbound Public route ohio' (ID: rtb-690a9401), is shown in detail. The 'Subnet Associations' tab is active, displaying a table with columns for Subnet, IPv4 CIDR, and IPv6 CIDR. The table indicates that no subnets are currently associated with this route table.

Route Tables List:

Name	Route Table ID	Explicitly Associat	Main	VPC
	rtb-e0f42188	0 Subnets	Yes	vpc-1de10e75
Sansbound Public route ohio	rtb-690a9401	0 Subnets	Yes	vpc-0d56fb65 Sansbound_Ohio...

Route Table Details: rtb-690a9401

Summary | Routes | **Subnet Associations** | Route Propagation | Tags

Edit

Subnet	IPv4 CIDR	IPv6 CIDR
You do not have any subnet associations.		
The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table:		
subnet-f1ff1d8b Sansbound_Public_Subnet_Ohio	192.168.2.0/24	-

Check “Sanbound_Public_Subnet_Ohio” and click “save”.

The screenshot shows the AWS Management Console interface for the 'Route Tables' section. The left sidebar contains a navigation menu with categories like VPC Dashboard, Virtual Private Cloud, Security, and VPN Connections. The main content area displays a list of route tables, with 'Sansbound Public route ohio' (ID: rtb-690a9401) selected. Below the list, the 'Subnet Associations' tab is active, showing a table with one association for 'subnet-f1ff1d8b | Sansbound_Public_Subnet_Ohio' with an IPv4 CIDR of '192.168.2.0/24'. The 'Save' button is highlighted in yellow.

Route Tables List:

Name	Route Table ID	Explicitly Associat	Main	VPC
	rtb-e0f42188	0 Subnets	Yes	vpc-1de10e75
Sansbound Public route ohio	rtb-690a9401	0 Subnets	Yes	vpc-0d56fb65 Sansbound_Ohio...

Subnet Associations for rtb-690a9401:

Associate	Subnet	IPv4 CIDR	IPv6 CIDR	Current Route Table
<input checked="" type="checkbox"/>	subnet-f1ff1d8b Sansbound_Public_Subnet_Ohio	192.168.2.0/24	-	Main