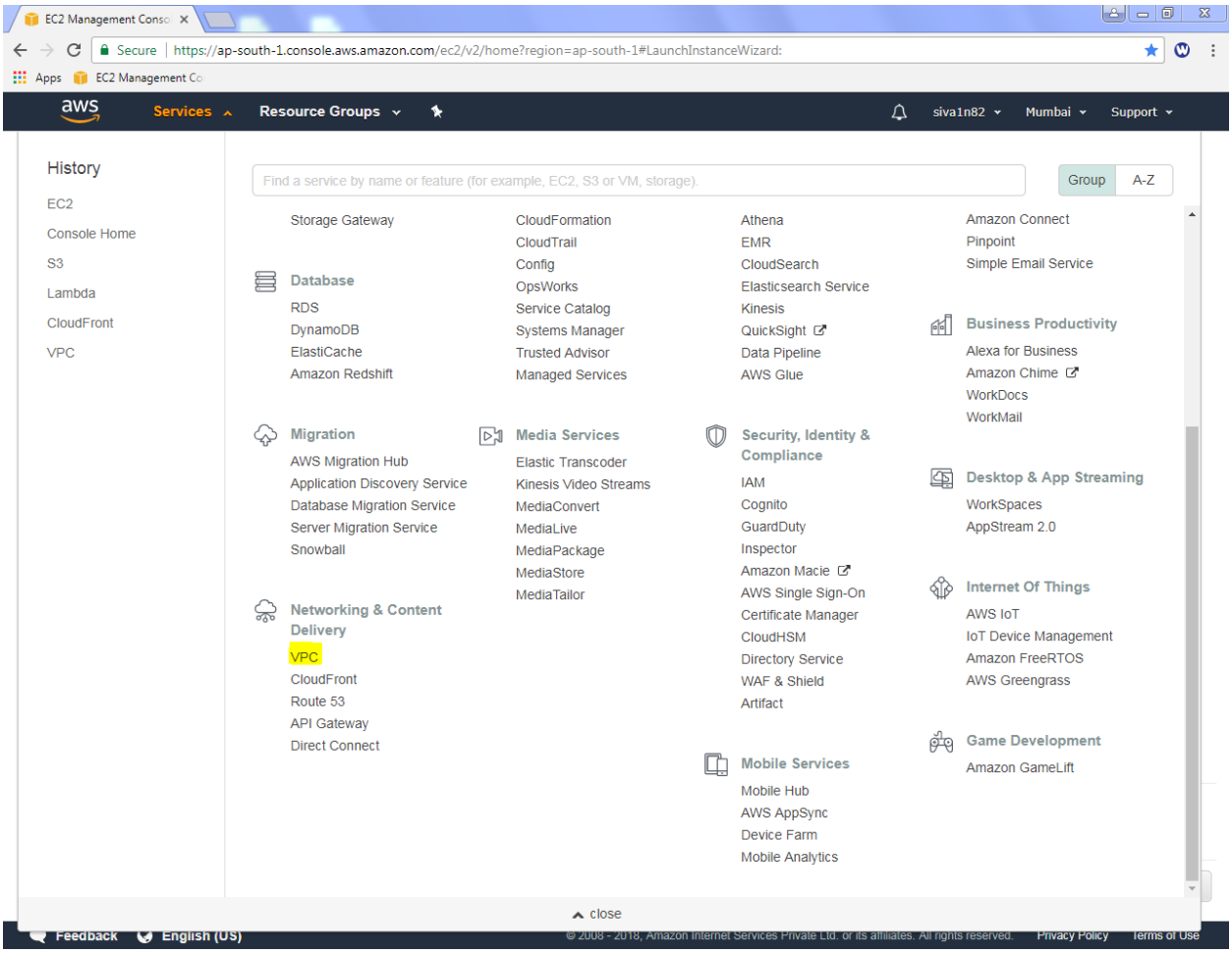
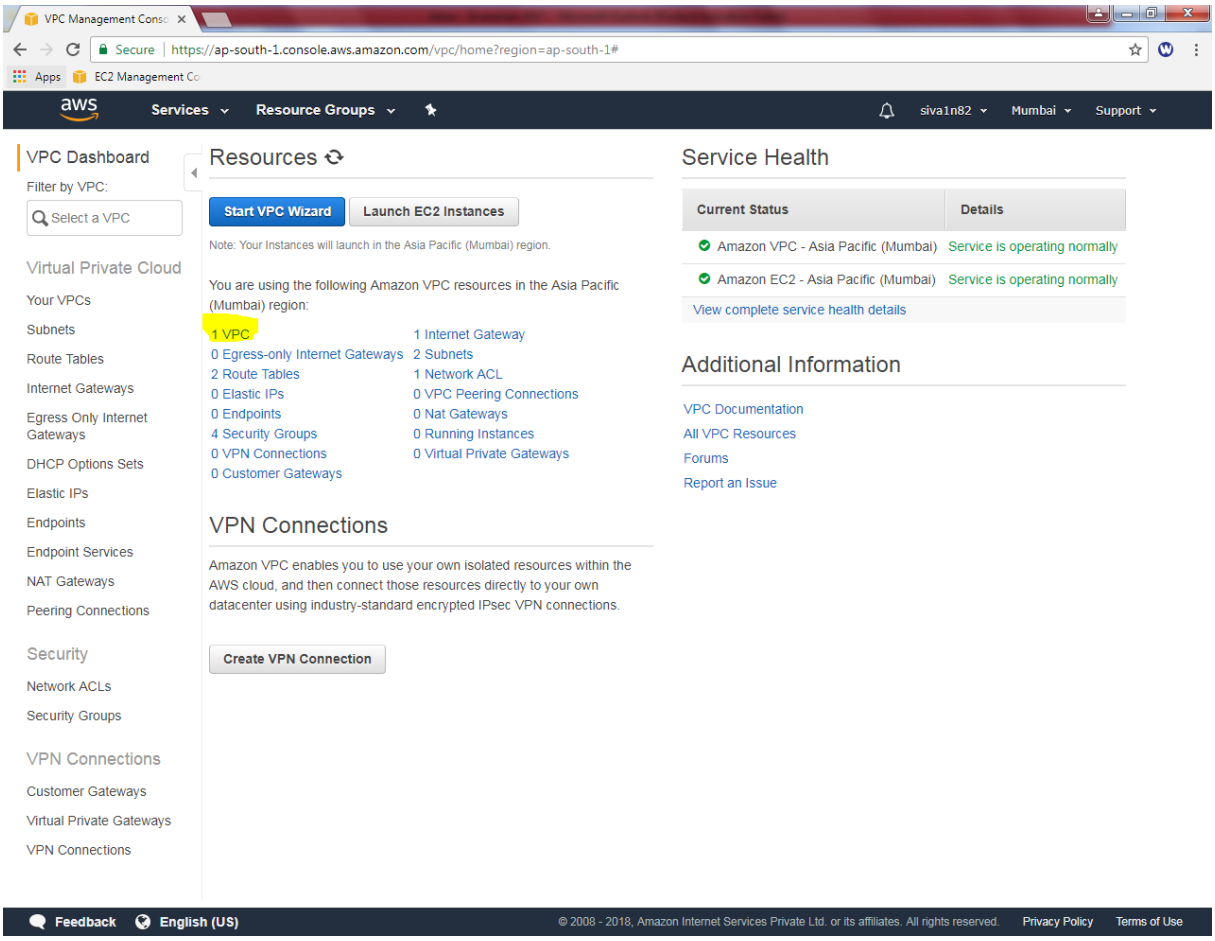
Lab14

Configure VPN between Mumbai and Ohio Region 1 of 4

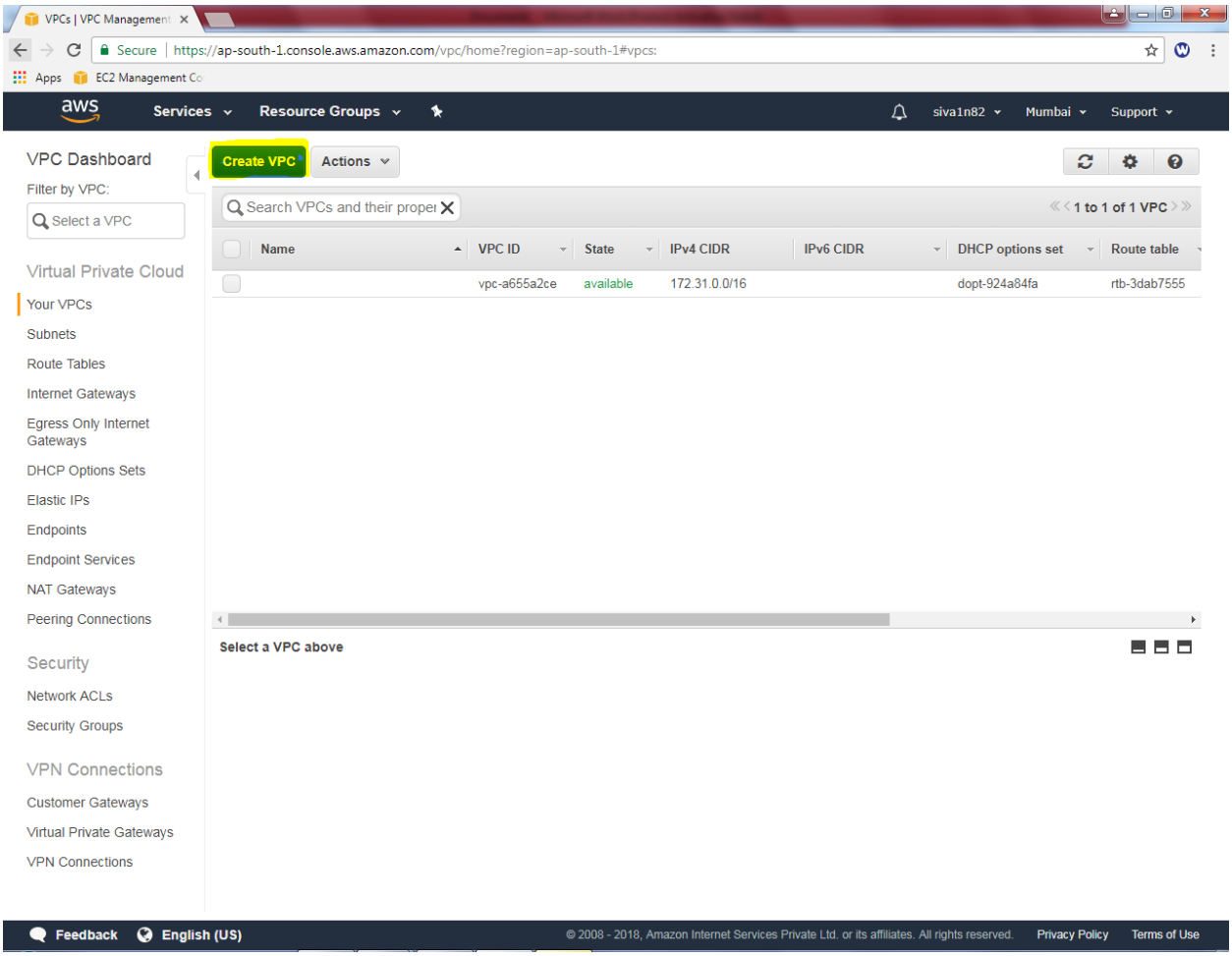
While logged into AWS console we can able to see “VPC” in bottom of the page. Click “VPC”.



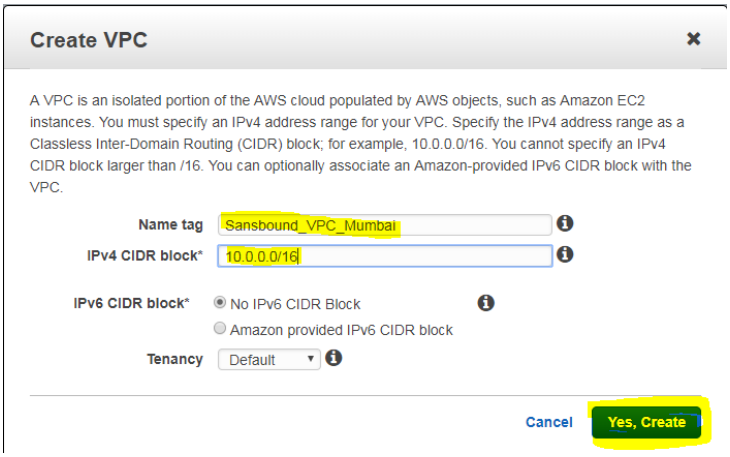
Click “1 VPC”.


VPC Management Conso
Secure | https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#
Apps
EC2 Management Co
aws
Services
Resource Groups
sivain82
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
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)
© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use

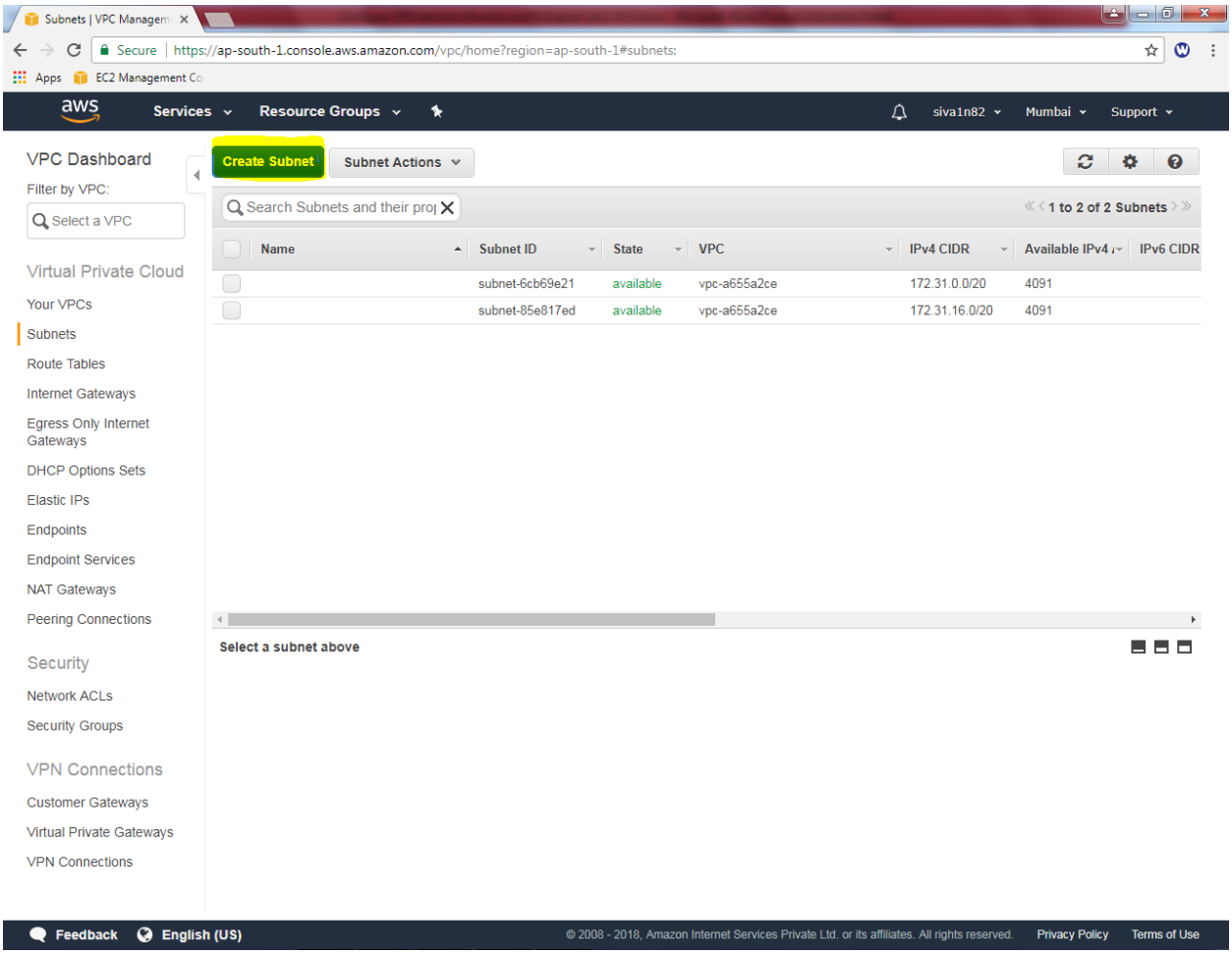
Click “Create VPC”.



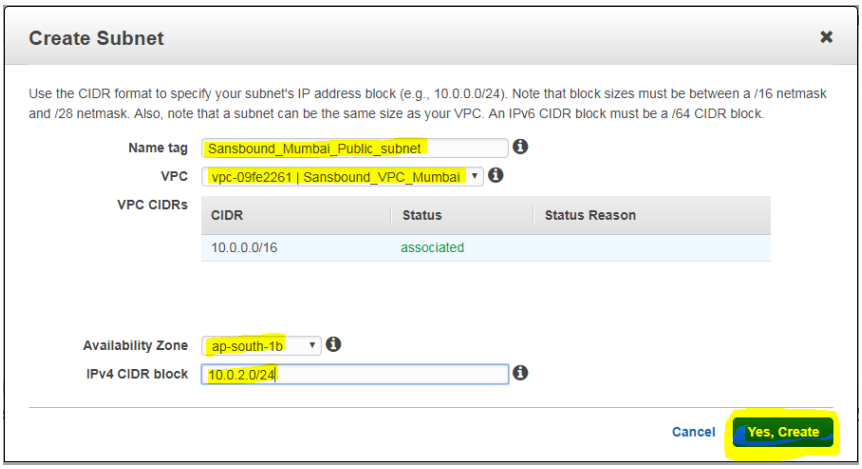
While creating VPC, name tag as “Sansbound_VPC_Mumbai”, IPV4 CIDR Block as “10.0.0.0/16” subnet then click “Yes, Create”



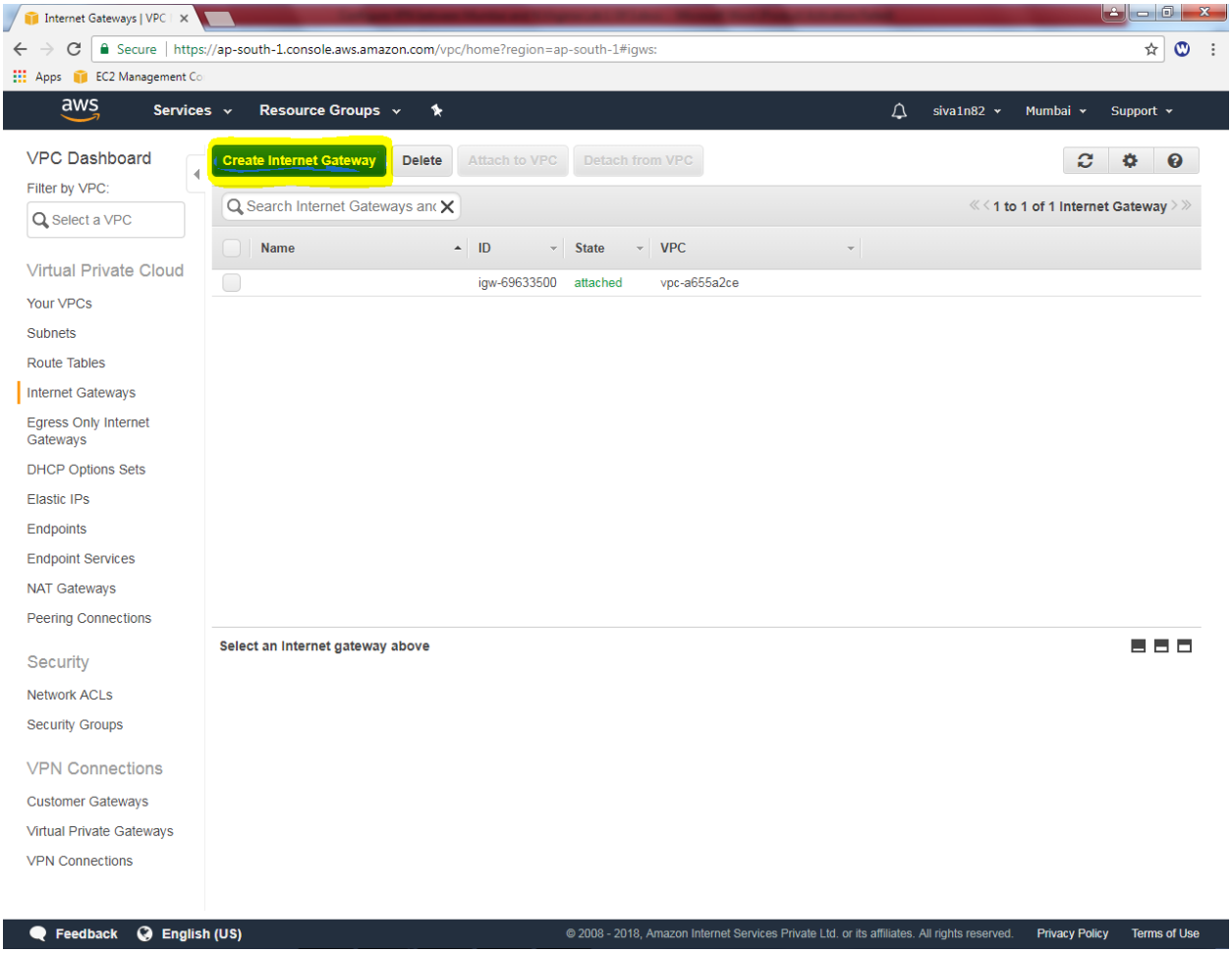
Then click subnet, click “Create subnet”.

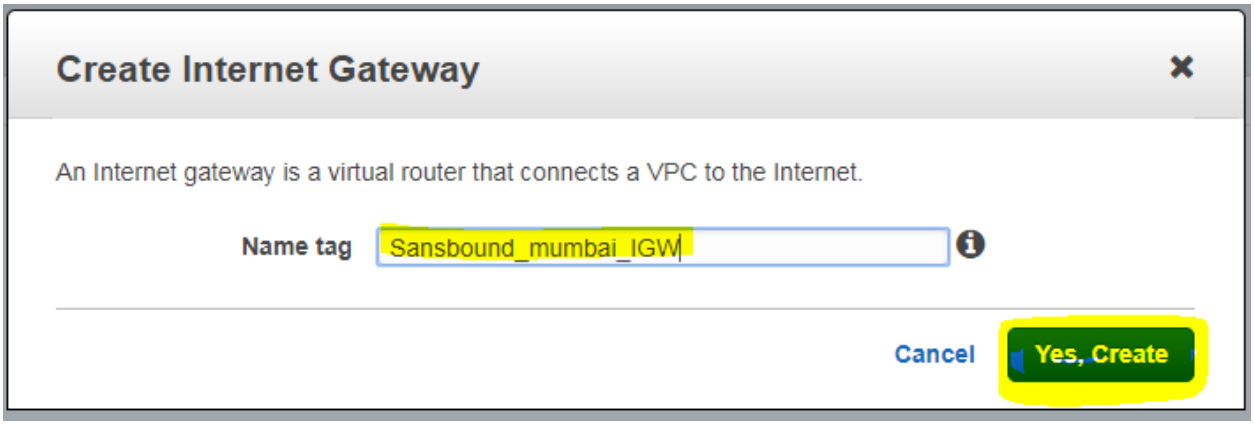


While creating subnet name tag as “Sansbound_Mumbai_Public_subnet”, select VPC as Sansbound_VPC_Mumbai , Availability Zone as “1b” (Optional) and IPV4 CIDR Block as 10.0.2.0/24 subnet then click “Yes, create”.



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

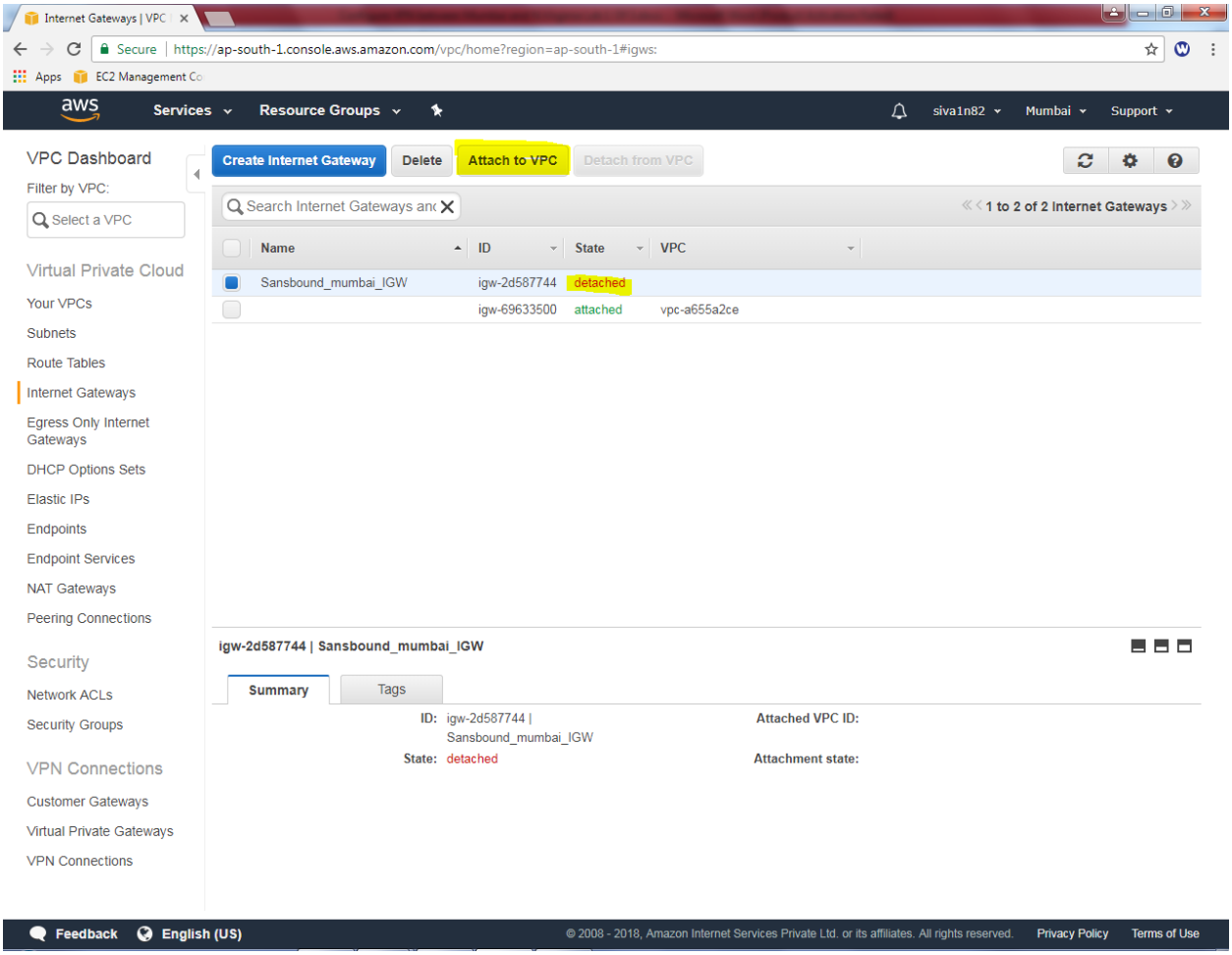


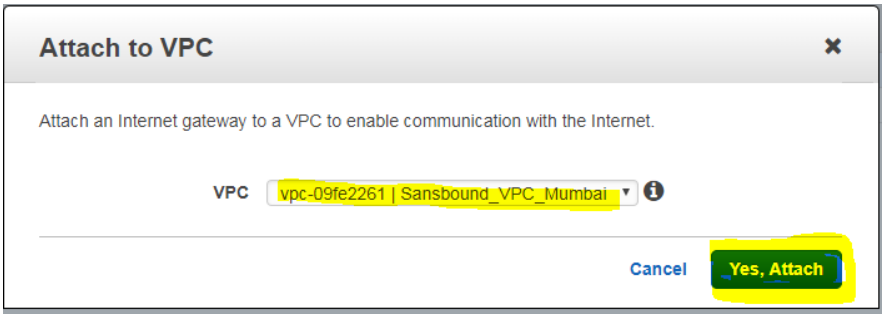


Click “Yes create”.

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

Click “Attach to VPC”.

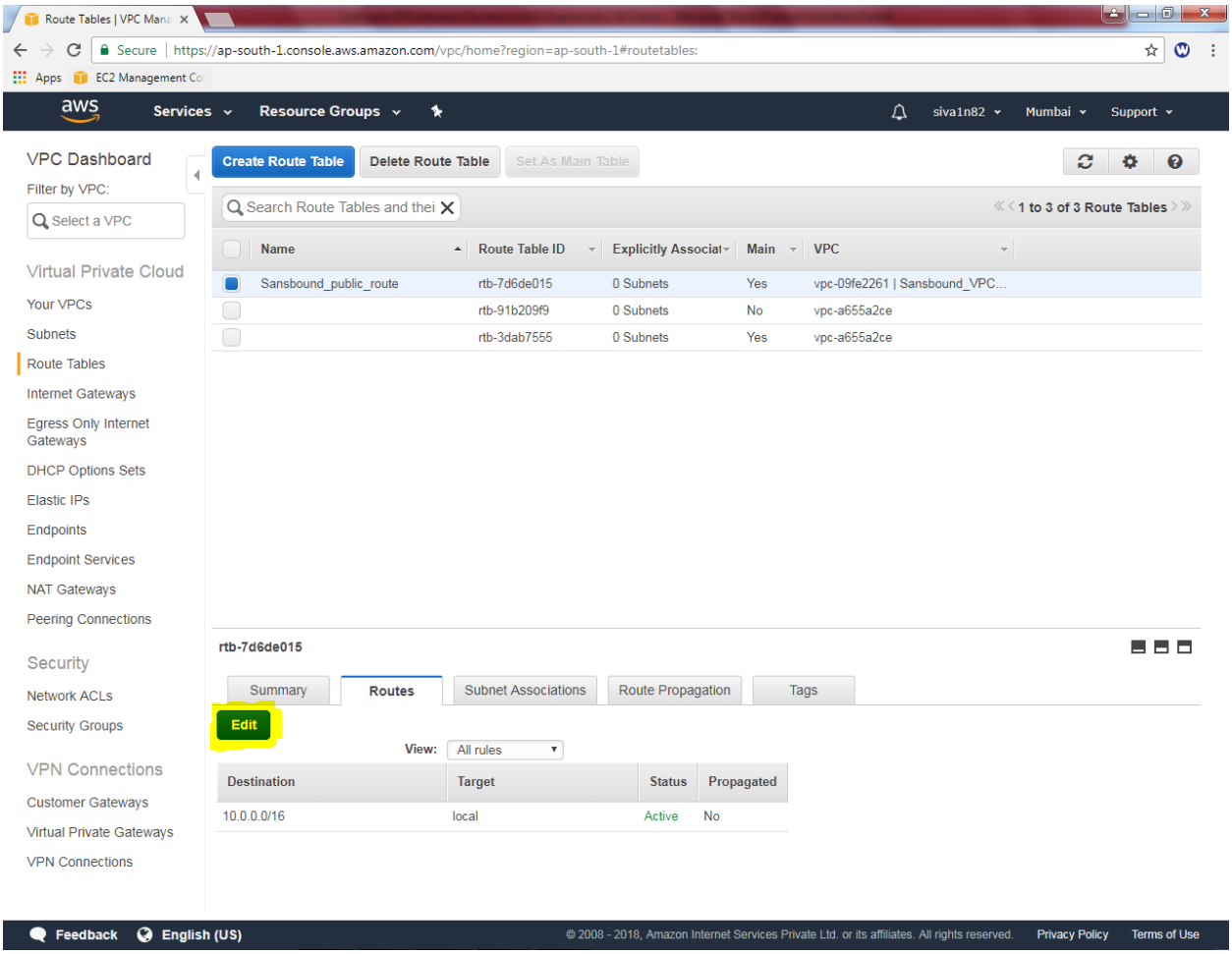




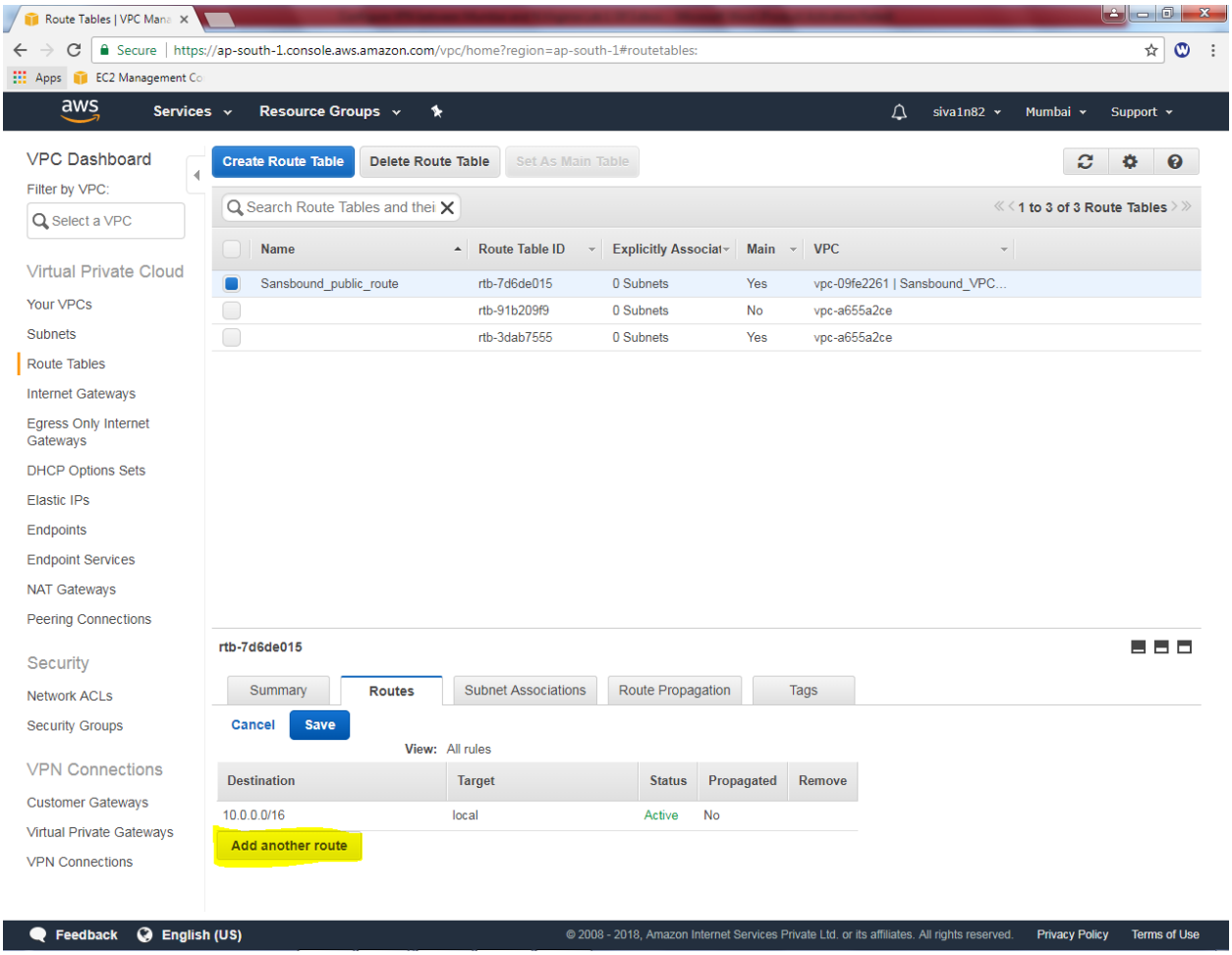
Click “Yes, Attach”.

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

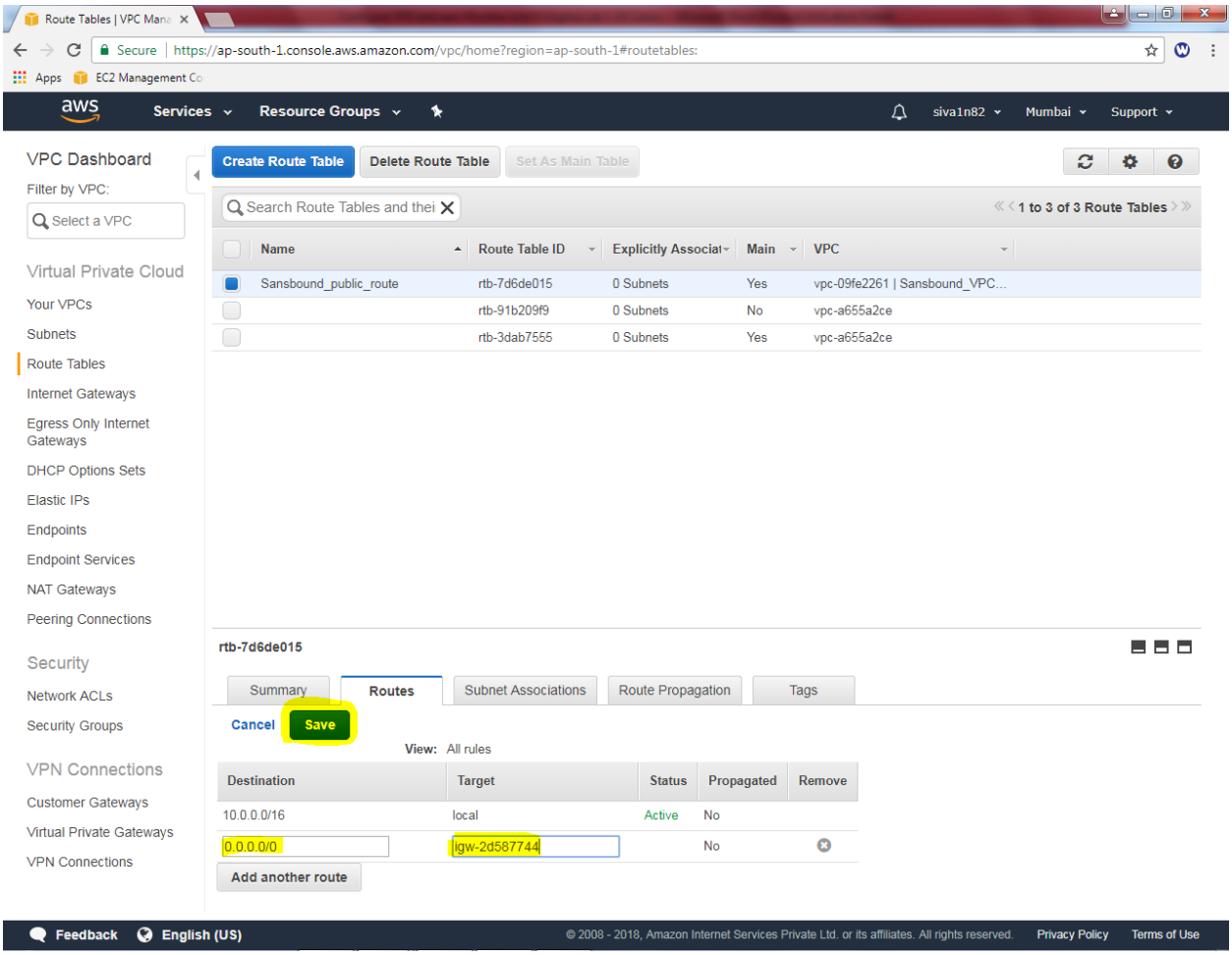
Click “Edit”.



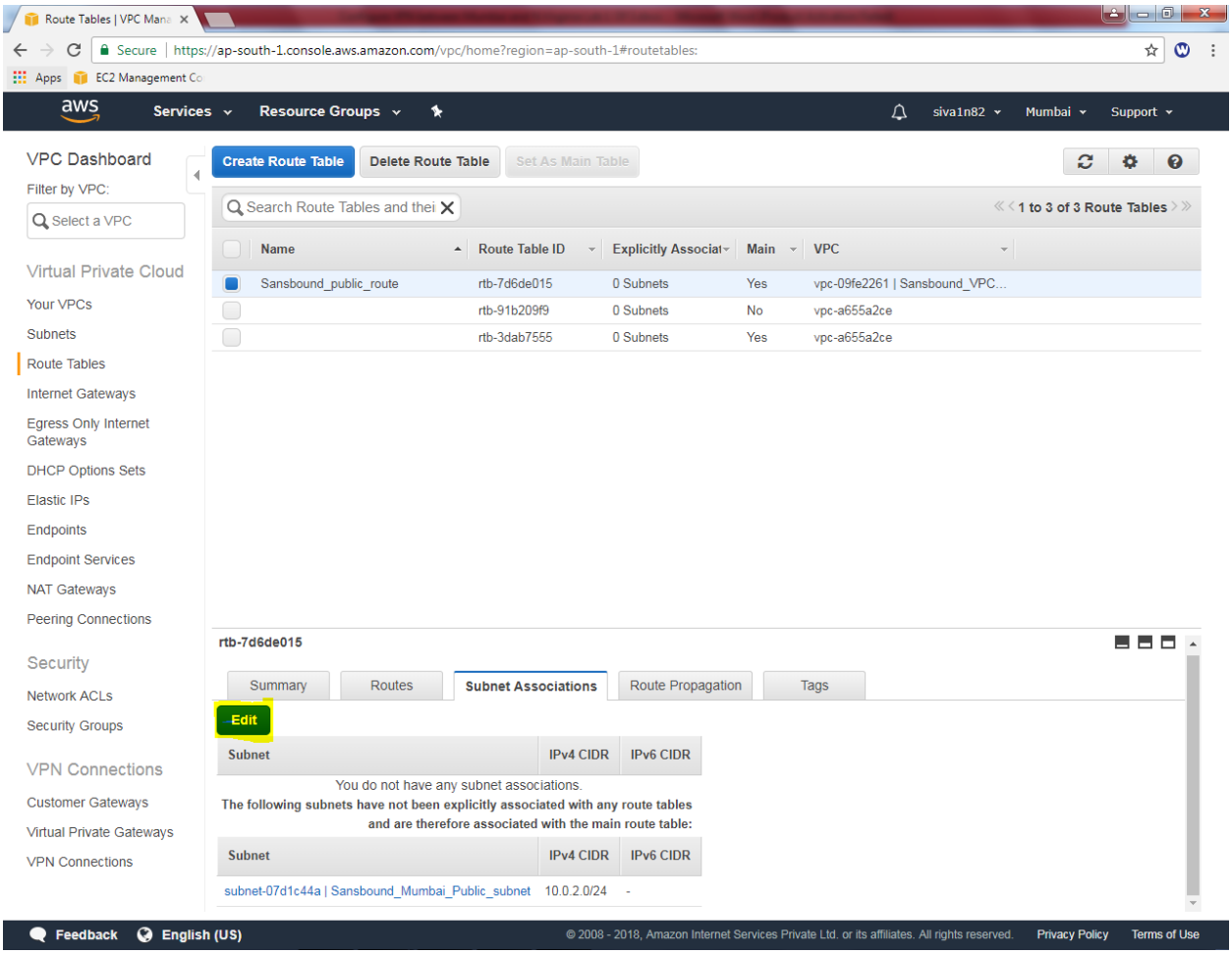
Click “Add another route”.



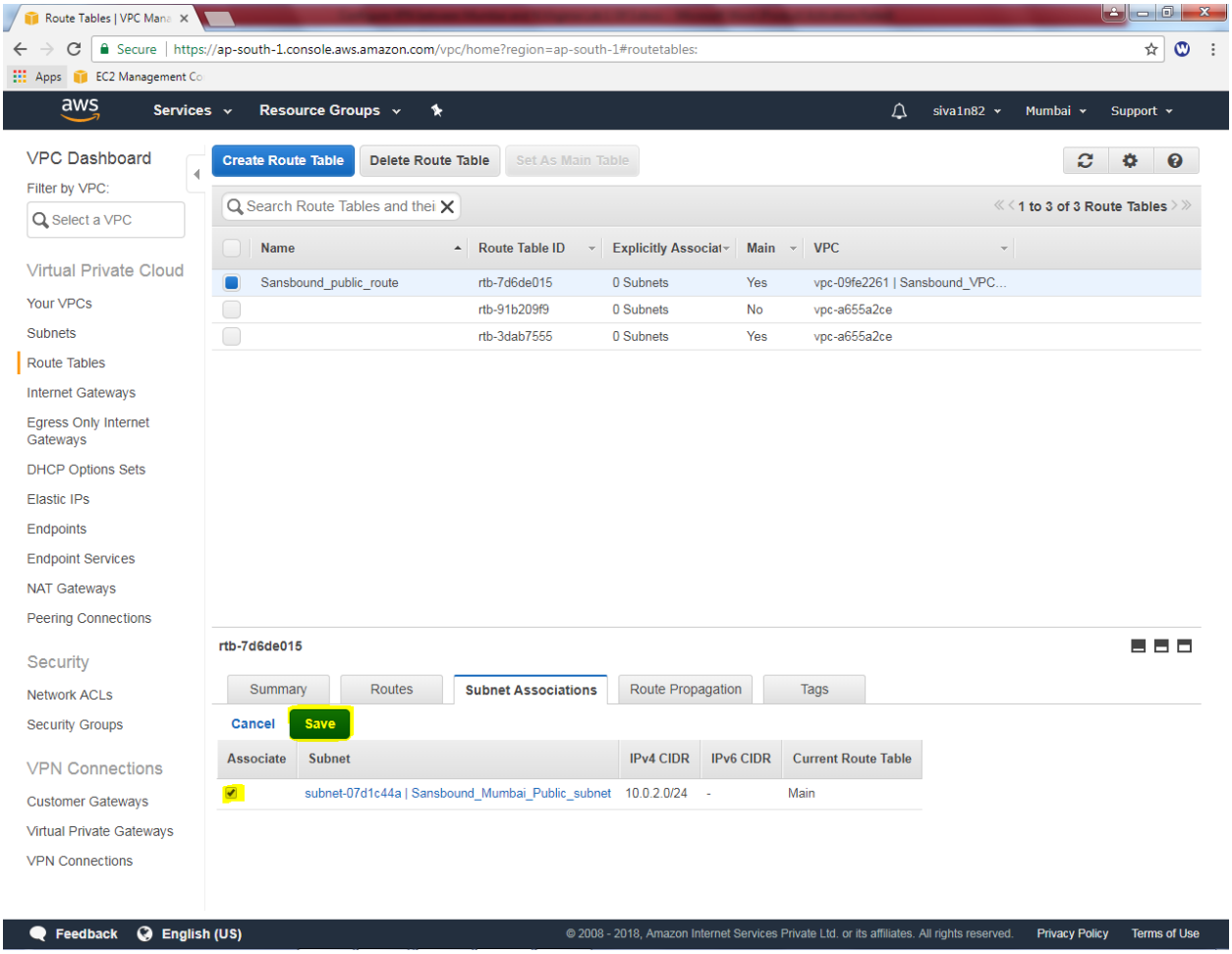
Add default route 0.0.0.0/0 and select “igw-*” as target. Click ”save”.



Click “Subnet associatons” tab click “Edit”.

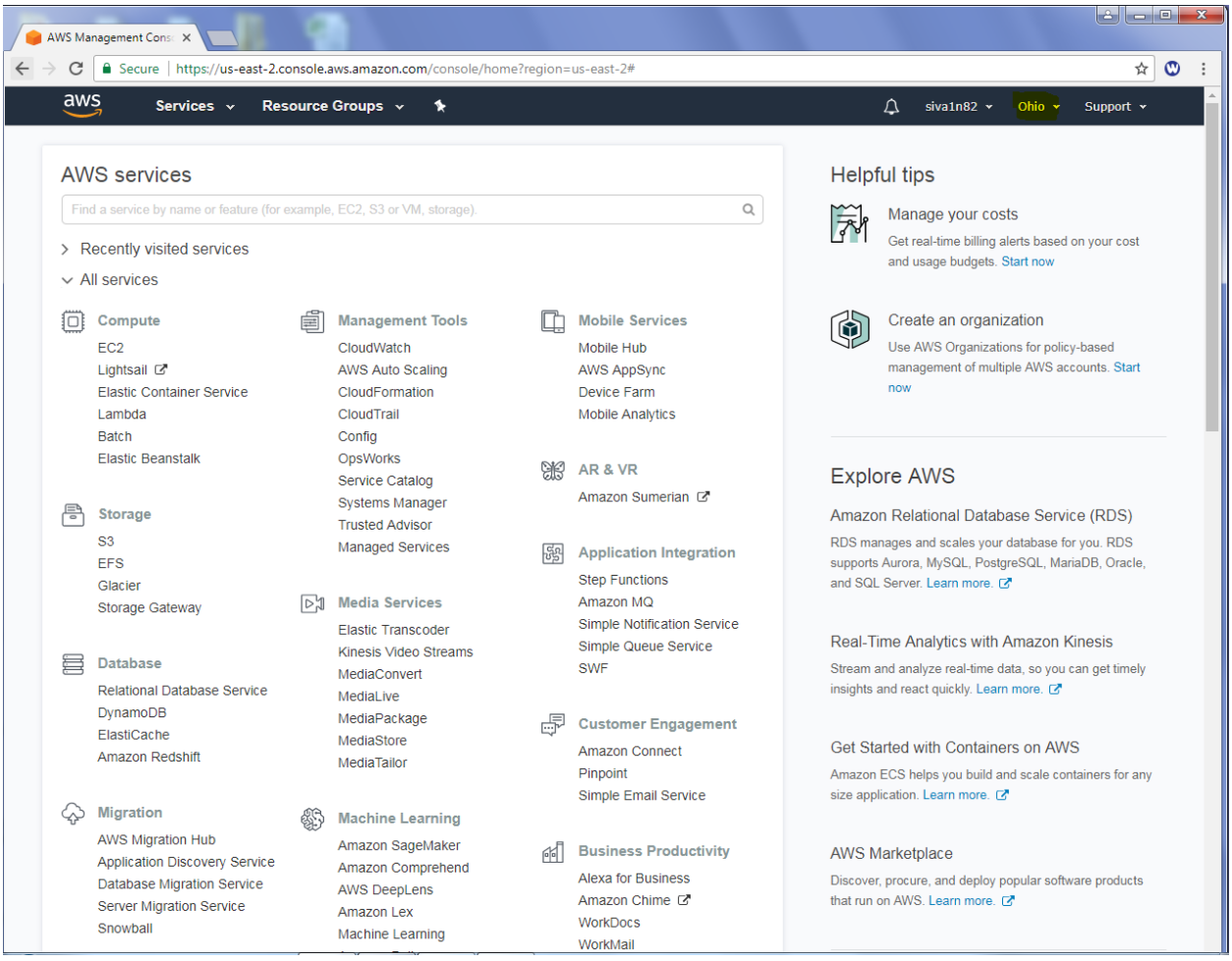


Click check box “Sansbound_Mumbai_public_subnet”and click “save”.

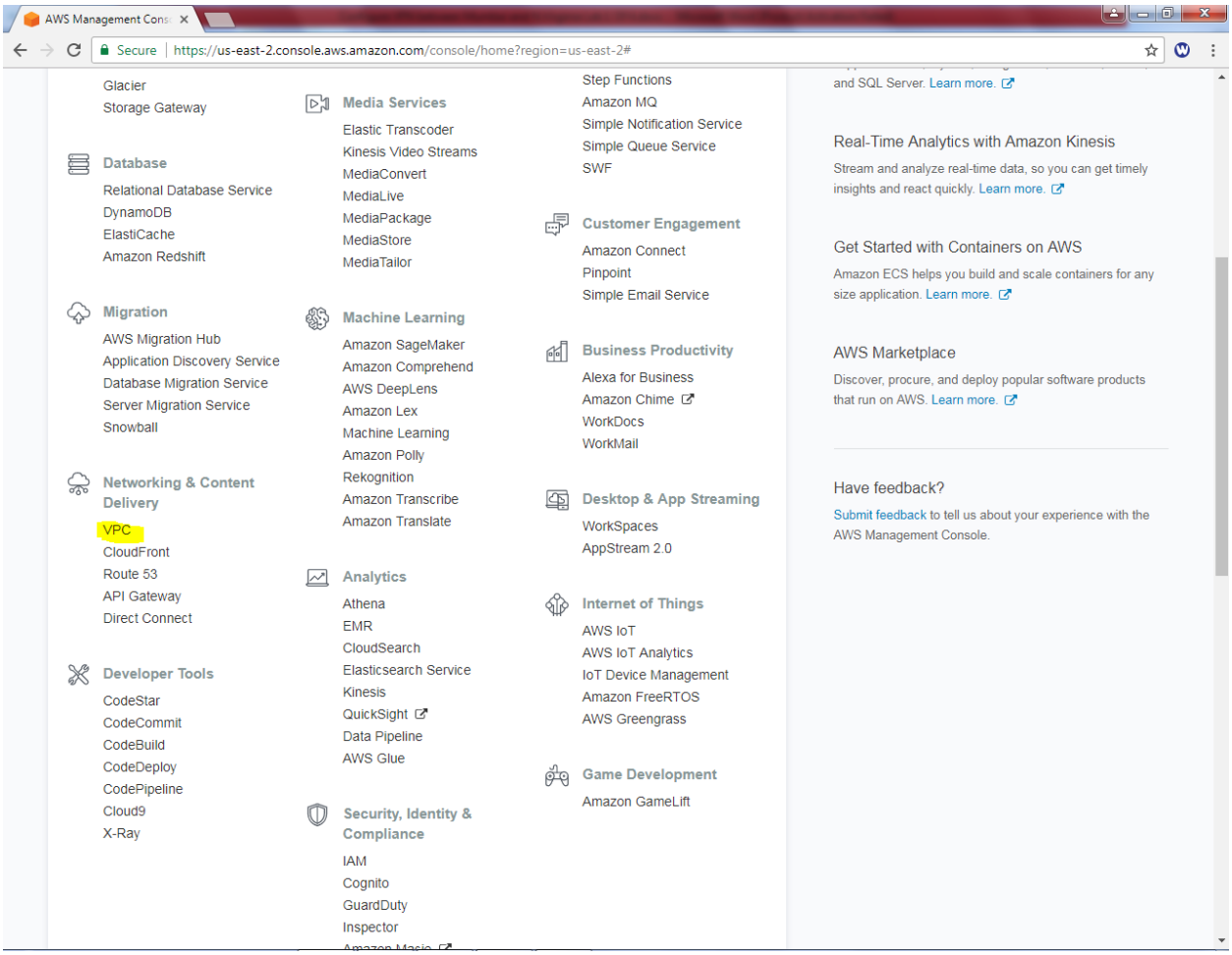


.

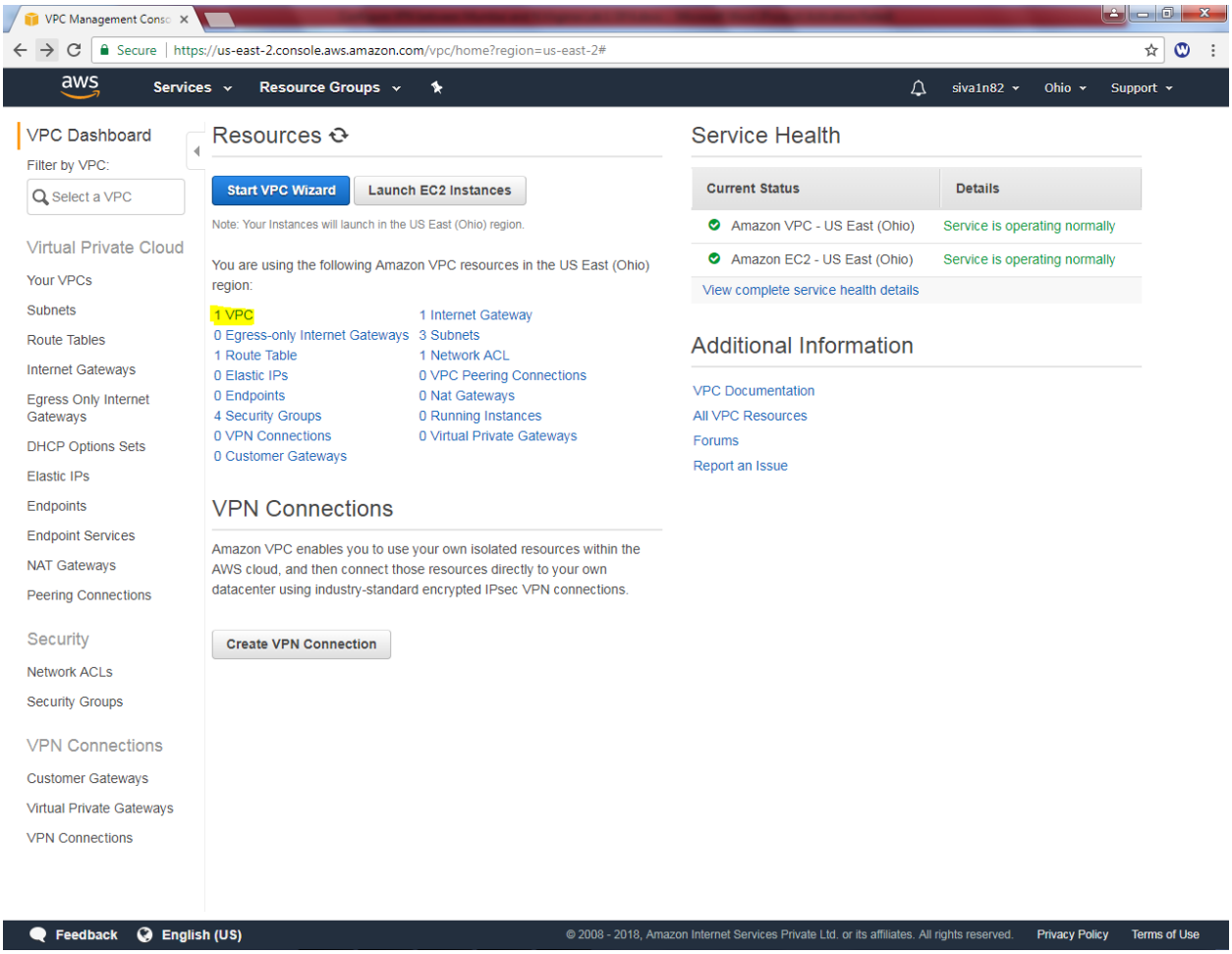
Go to Ohio Region,



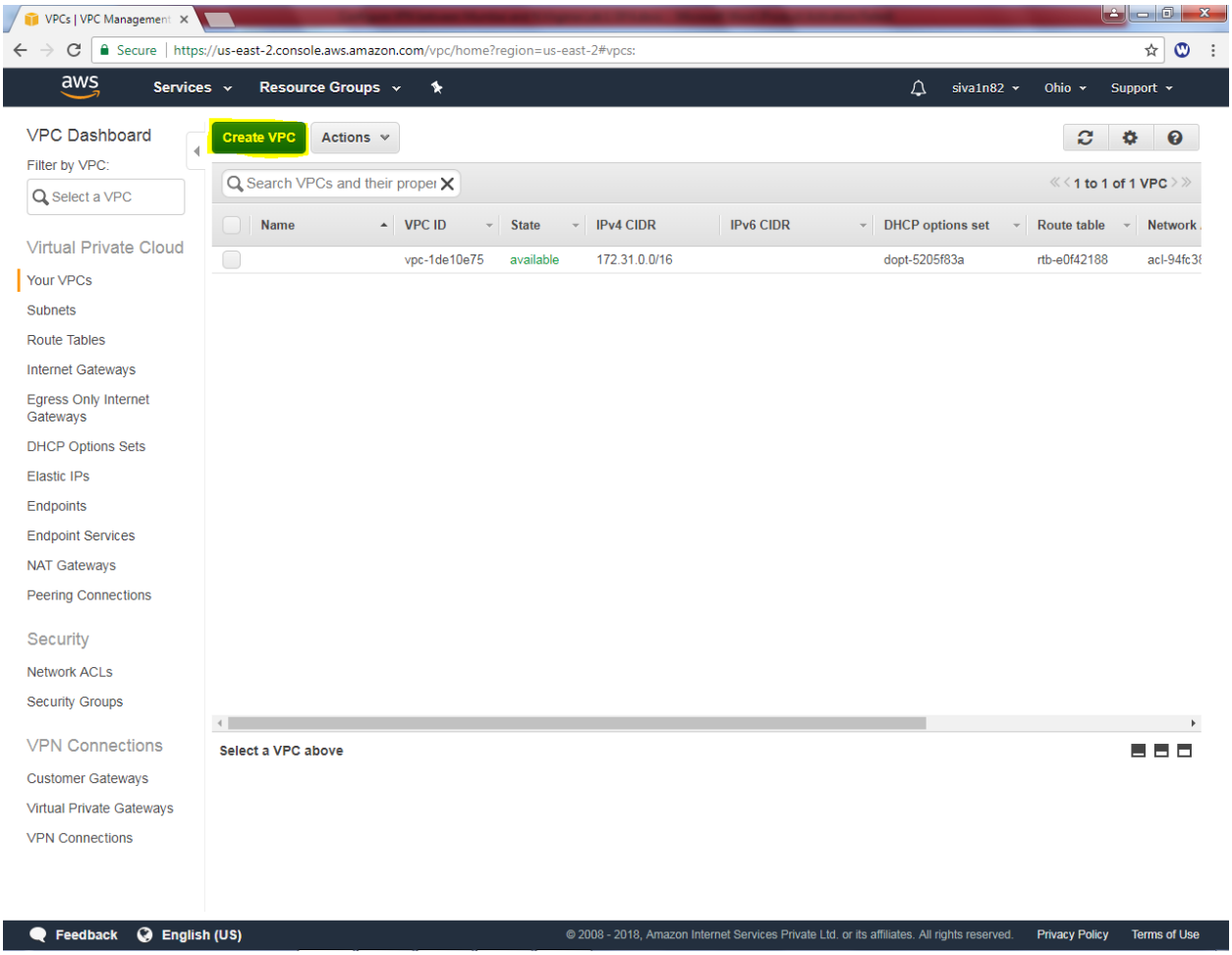
Click “VPC”.


AWS Management Cons
Secure | https://us-east-2.console.aws.amazon.com/console/home?region=us-east-2#
Glacier
Storage Gateway
Database
Relational Database Service
DynamoDB
ElastiCache
Amazon Redshift
Migration
AWS Migration Hub
Application Discovery Service
Database Migration Service
Server Migration Service
Snowball
Networking & Content Delivery
VPC
CloudFront
Route 53
API Gateway
Direct Connect
Developer Tools
CodeStar
CodeCommit
CodeBuild
CodeDeploy
CodePipeline
Cloud9
X-Ray
Media Services
Elastic Transcoder
Kinesis Video Streams
MediaConvert
MediaLive
MediaPackage
MediaStore
MediaTailor
Machine Learning
Amazon SageMaker
Amazon Comprehend
AWS DeepLens
Amazon Lex
Machine Learning
Amazon Polly
Rekognition
Amazon Transcribe
Amazon Translate
Analytics
Athena
EMR
CloudSearch
Elasticsearch Service
Kinesis
QuickSight
Data Pipeline
AWS Glue
Security, Identity & Compliance
IAM
Cognito
GuardDuty
Inspector
Step Functions
Amazon MQ
Simple Notification Service
Simple Queue Service
SWF
Customer Engagement
Amazon Connect
Pinpoint
Simple Email Service
Business Productivity
Alexa for Business
Amazon Chime
WorkDocs
WorkMail
Desktop & App Streaming
WorkSpaces
AppStream 2.0
Internet of Things
AWS IoT
AWS IoT Analytics
IoT Device Management
Amazon FreeRTOS
AWS Greengrass
Game Development
Amazon GameLift
and SQL Server. Learn more.
Real-Time Analytics with Amazon Kinesis
Stream and analyze real-time data, so you can get timely insights and react quickly. Learn more.
Get Started with Containers on AWS
Amazon ECS helps you build and scale containers for any size application. Learn more.
AWS Marketplace
Discover, procure, and deploy popular software products that run on AWS. Learn more.
Have feedback?
Submit feedback to tell us about your experience with the AWS Management Console.

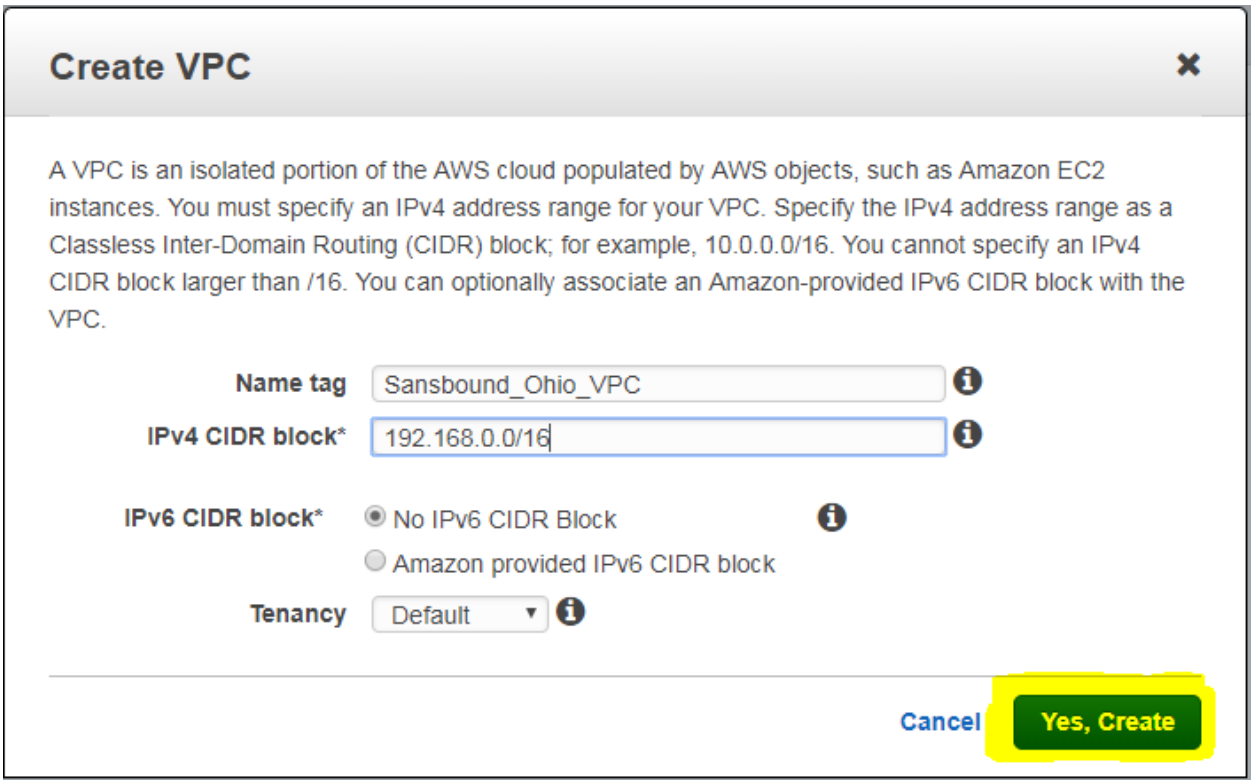
Click “1 VPC”.


VPC Management Cons
Secure | https://us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#
aws
Services
Resource Groups
siva1n82
Ohio
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
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
0 Egress-only Internet Gateways
1 Route Table
0 Elastic IPs
0 Endpoints
4 Security Groups
0 VPN Connections
0 Customer Gateways
1 Internet Gateway
3 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 - 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
Feedback
English (US)
© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use

Click “Create VPC”.

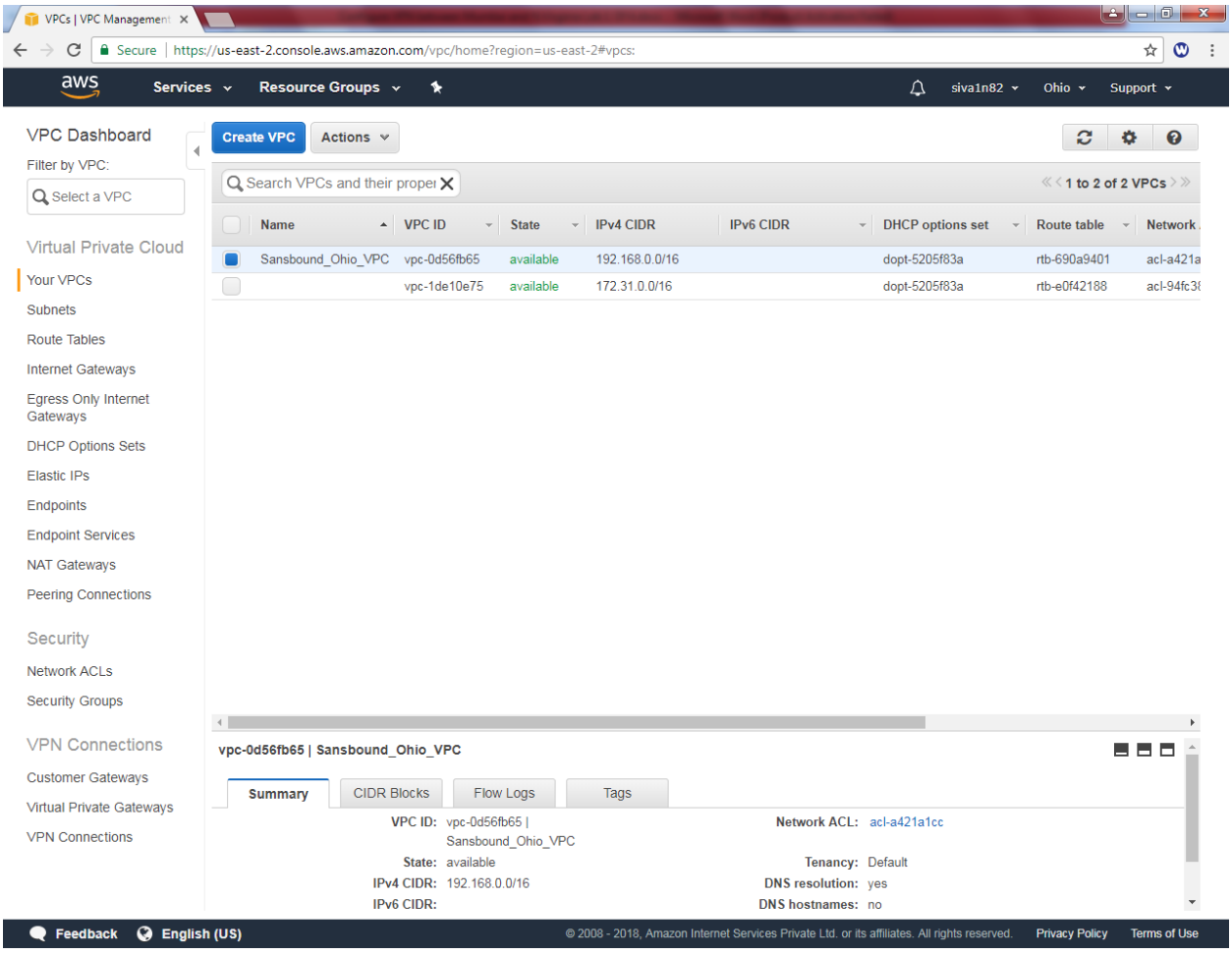


In Name tag, “Sansbound_Ohio_VPC”, IPV4 CIDR Block as 192.168.0.0/16 subnet

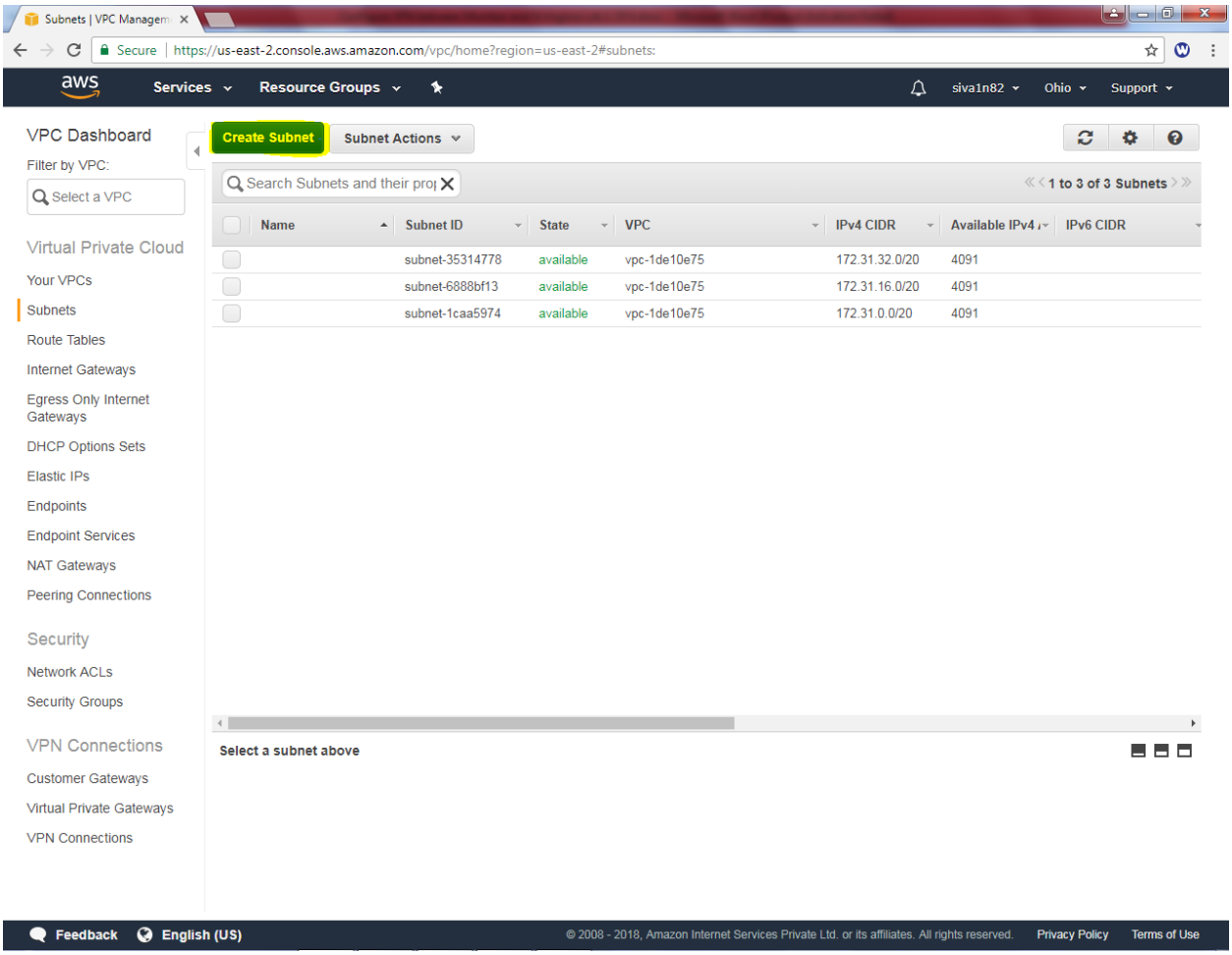


Click “Yes, create”.

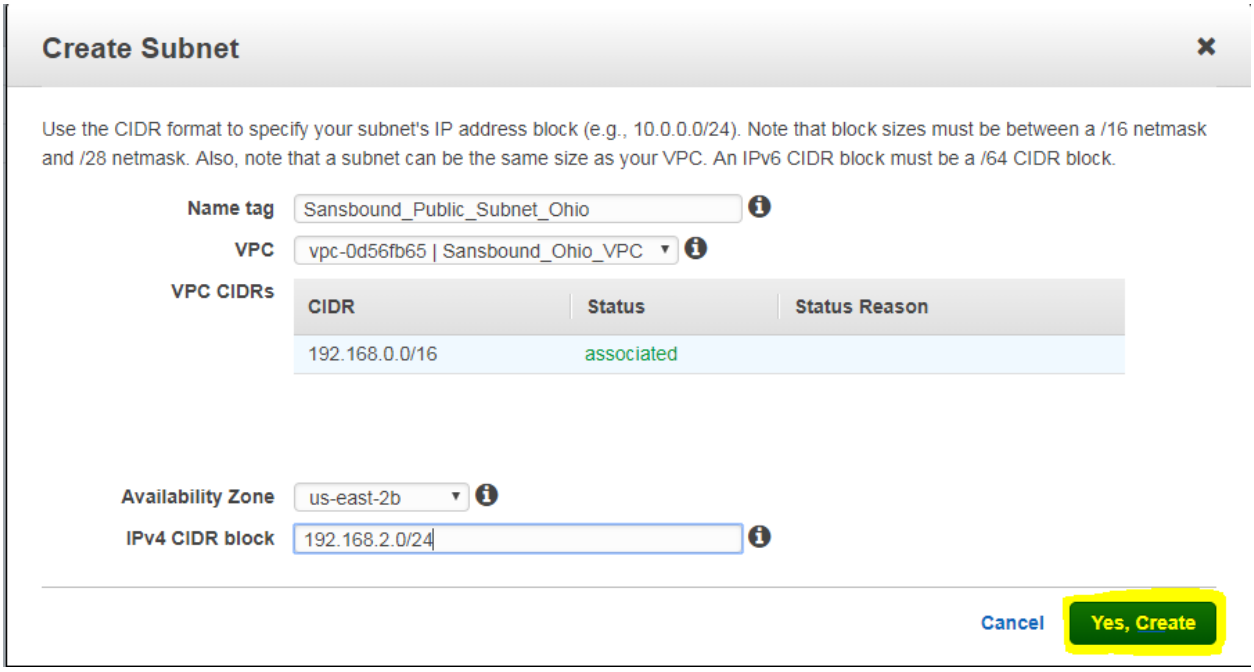
You have successfully created VPC.



Click Subnets and click “Create Subnet”.

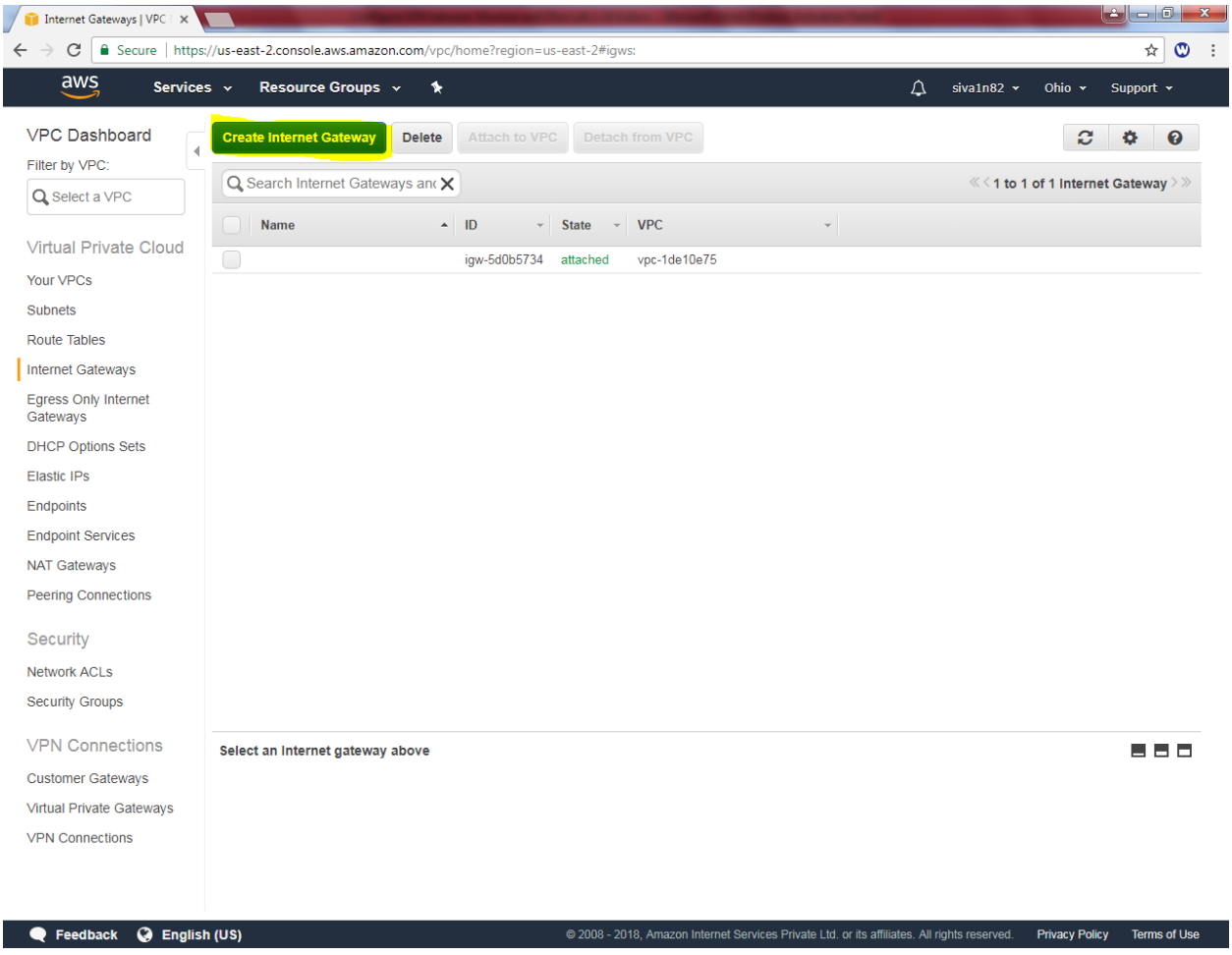


While creating subnet, name tag as “Sansbound_Public_Subnet_Ohio”, vpc “Sansbound_Ohio_VPC”, availability zone as “2b” and IPV4 CIDR 192.168.2.0/24.

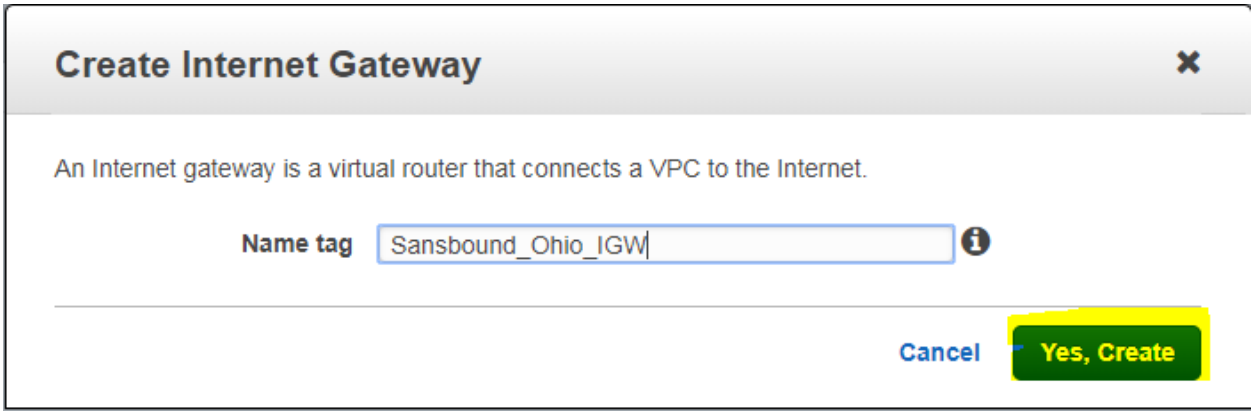


Click “Yes, create”.

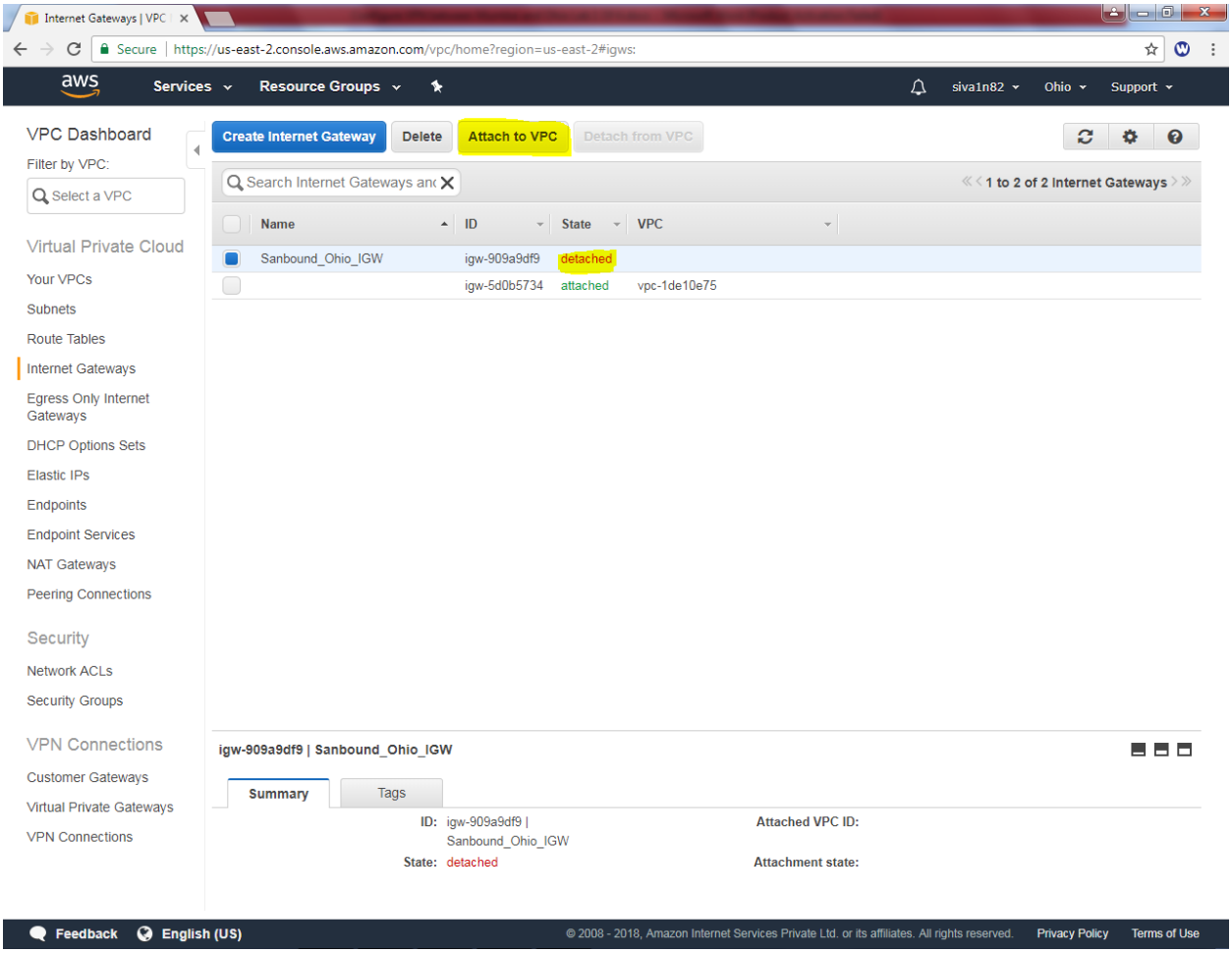
Click Internet Gateways and click “Create Internet Gateway”



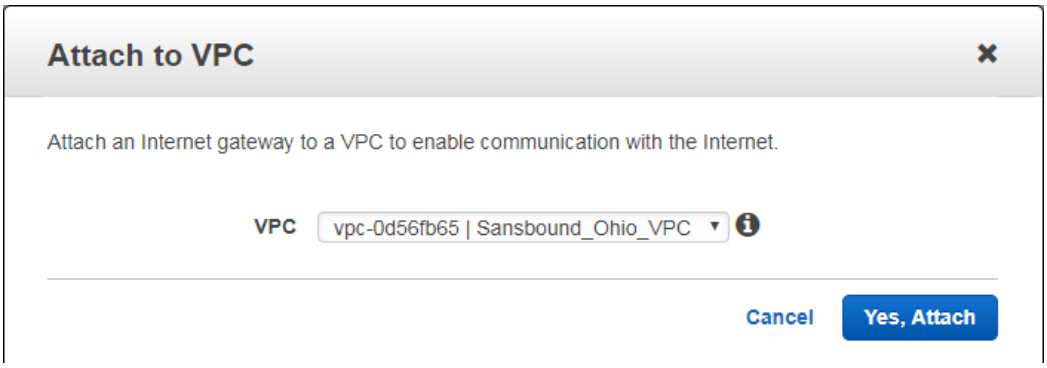
Type “Sansbound_Ohio_IGW” then click “Yes, create”.



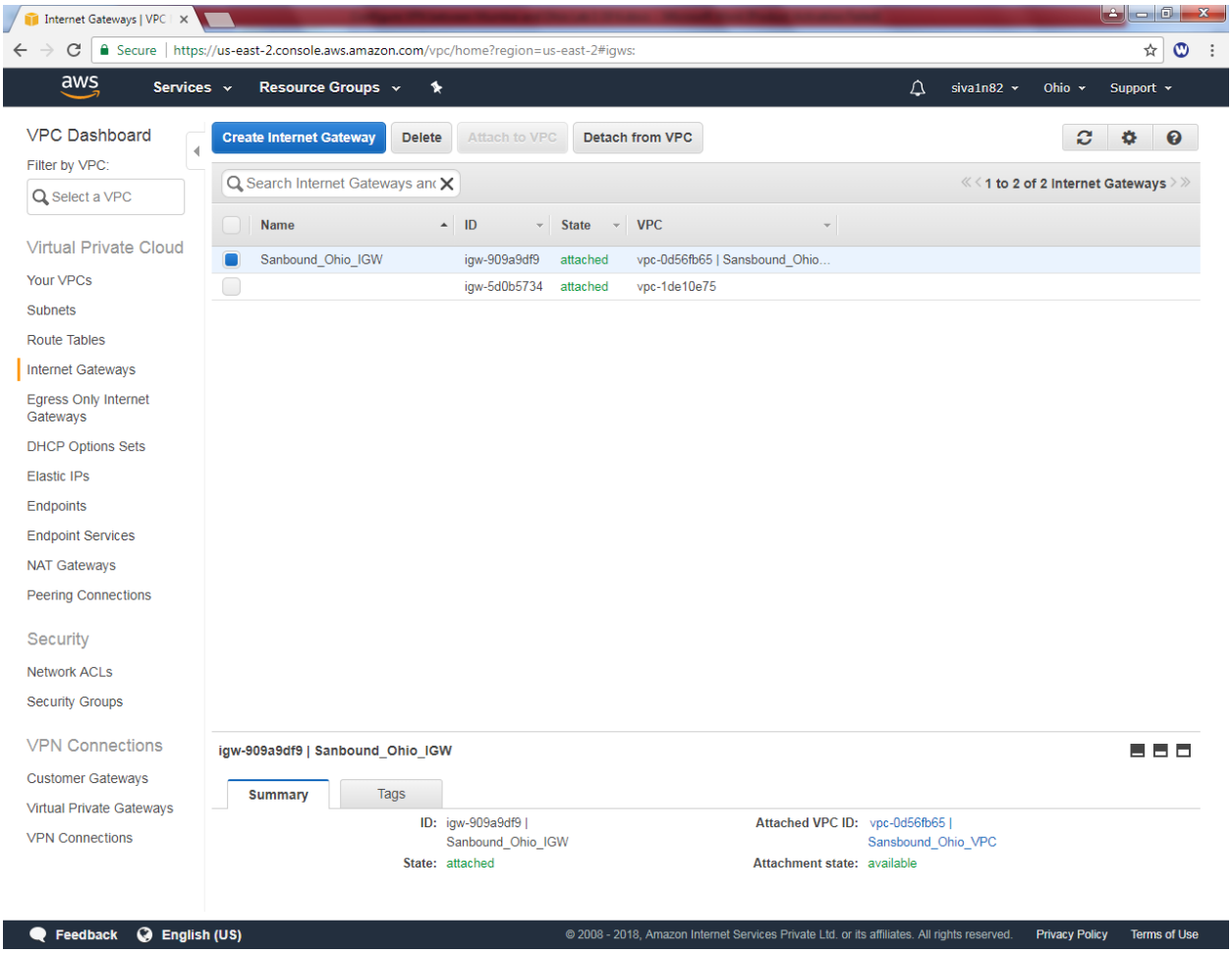
Sansbound_Ohio_IGW is in detached mode, we need to attach to VPC. Click “Attach to VPC”.



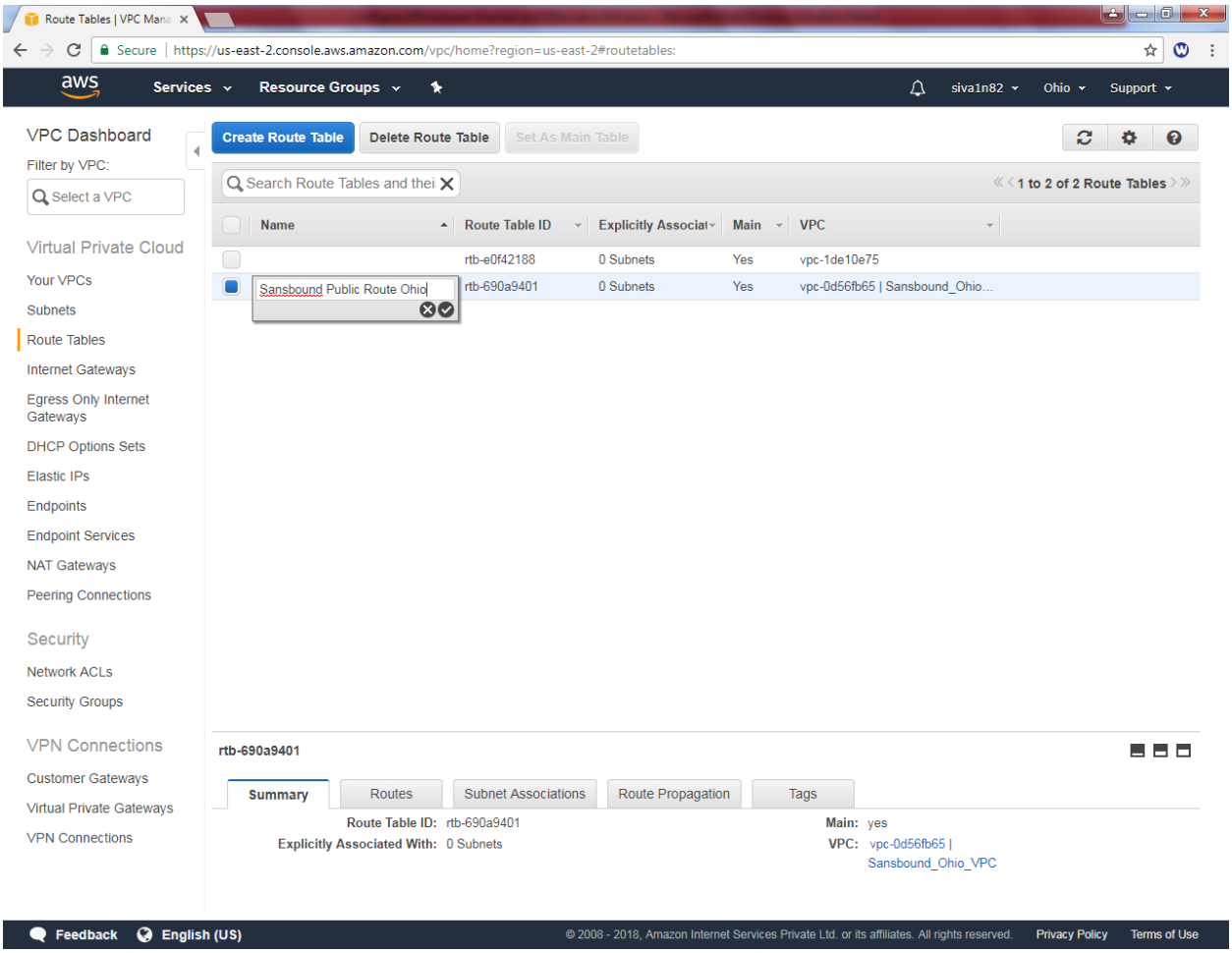
Click “Yes, Attach”.



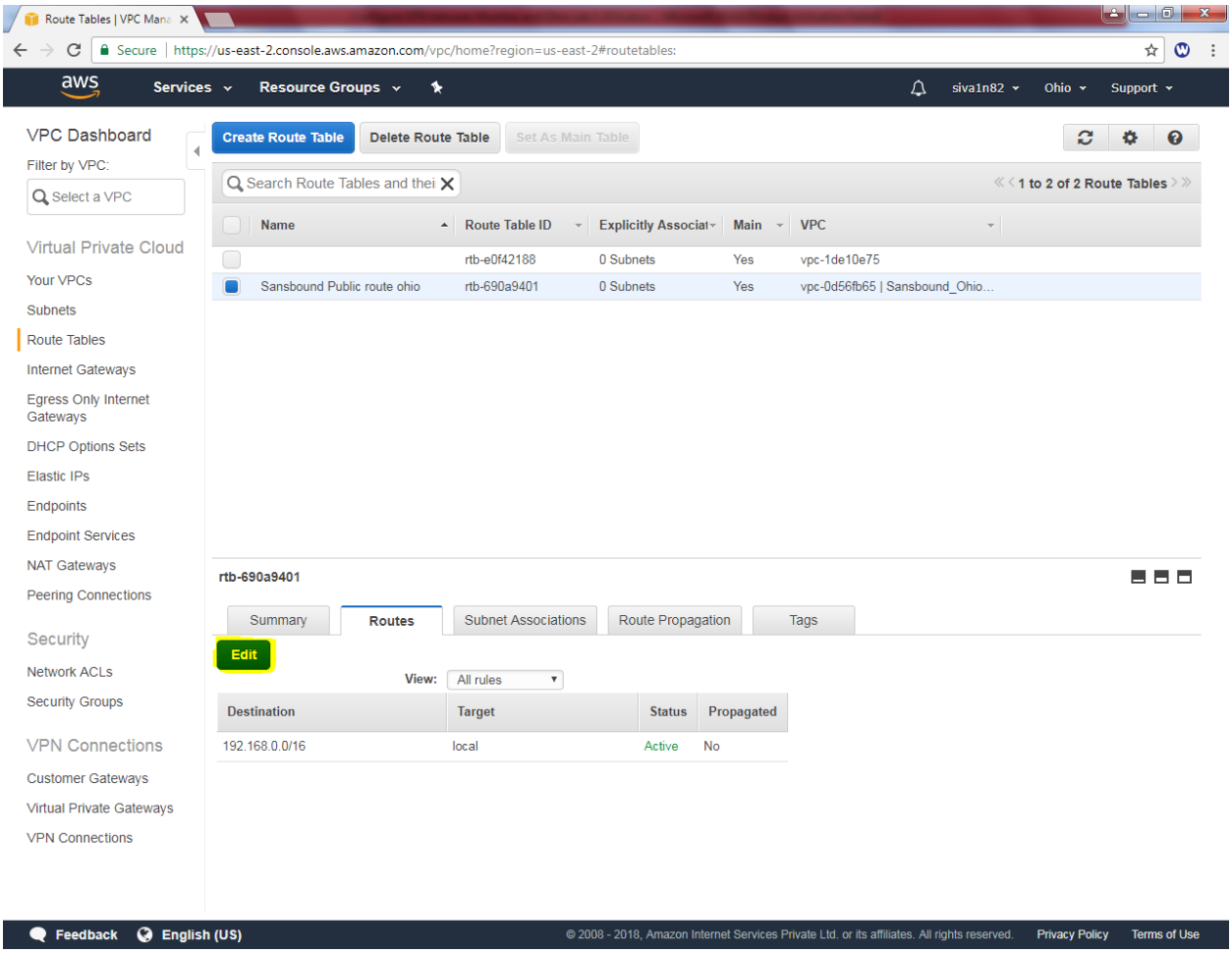
Your VPC is attached with Internet gateway.

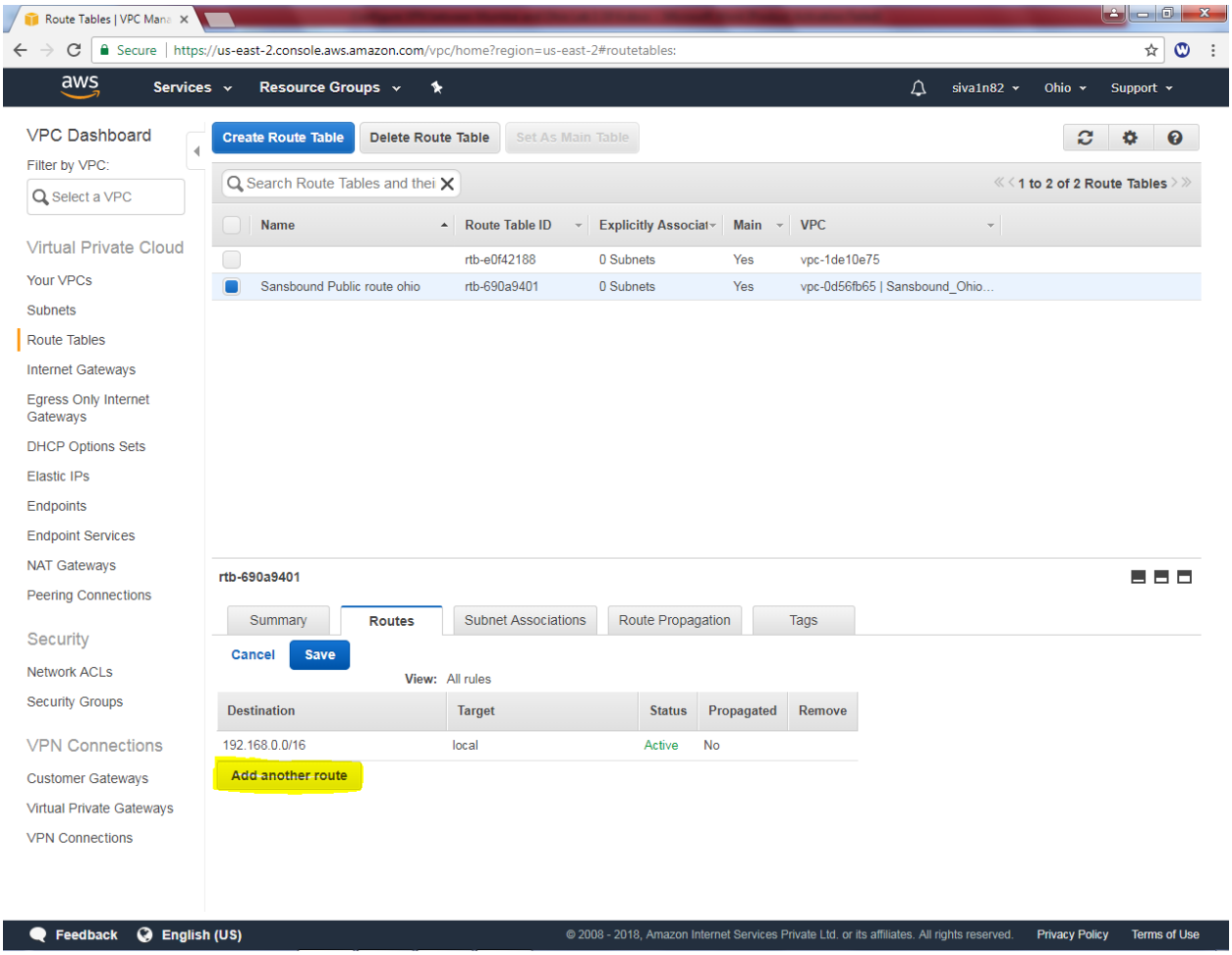


Rename the routing table

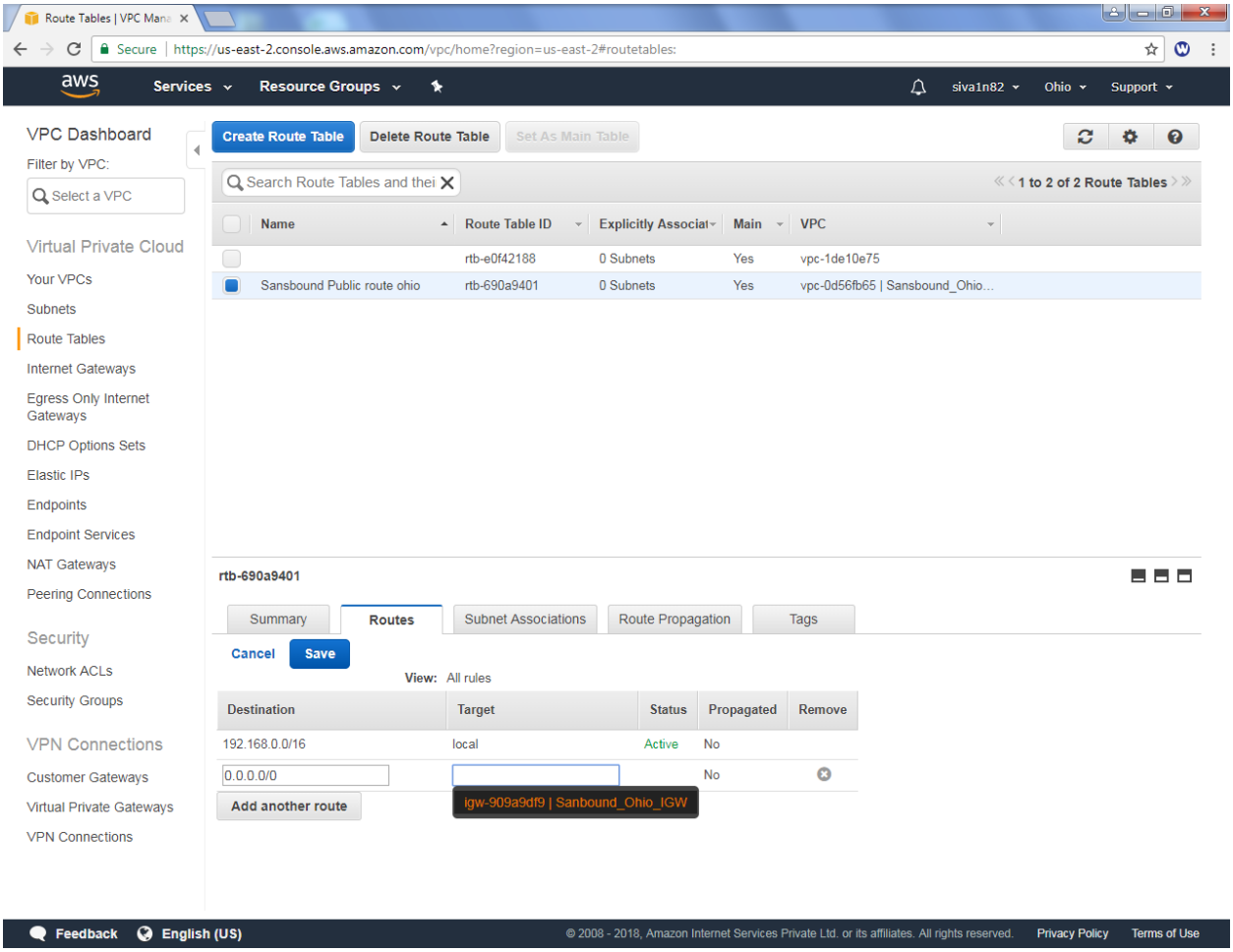


Click “Edit”.


Route Tables | VPC Mana
Secure | https://us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#routetables:
aws
Services
Resource Groups
siva1n82
Ohio
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 thei
1 to 2 of 2 Route Tables
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...
rtb-690a9401
Summary
Routes
Subnet Associations
Route Propagation
Tags
Edit
View:
All rules
Destination
Target
Status
Propagated
192.168.0.0/16
local
Active
No
Feedback
English (US)
© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use

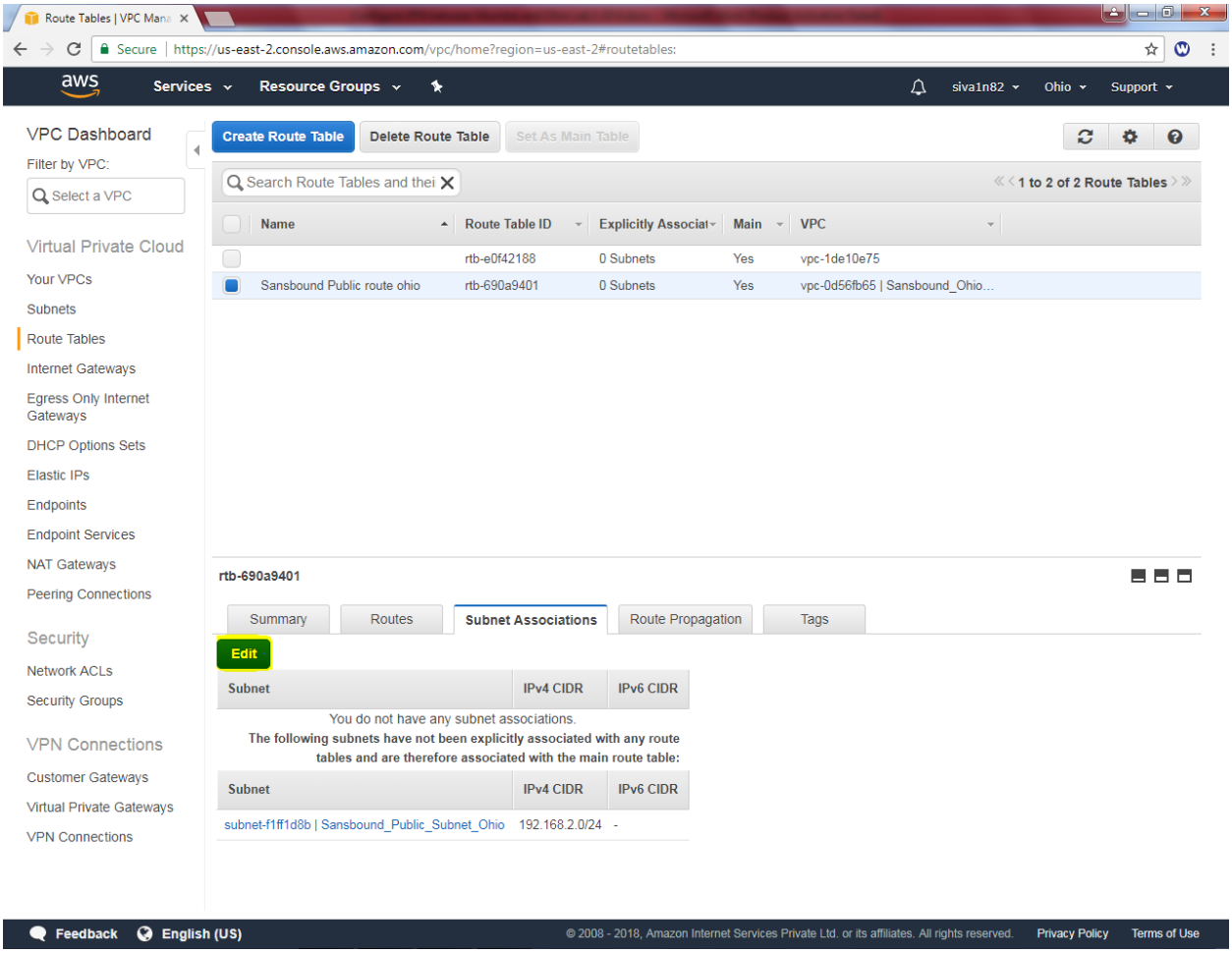

Route Tables | VPC Mana
Secure | https://us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#routetables:
aws
Services
Resource Groups
siva1n82
Ohio
Support
VPC Dashboard
Filter by VPC:
Select a VPC
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
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 thei
1 to 2 of 2 Route Tables
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...
rtb-690a9401
Summary
Routes
Subnet Associations
Route Propagation
Tags
Cancel
Save
View: All rules
Destination
Target
Status
Propagated
Remove
192.168.0.0/16
local
Active
No
Add another route
Feedback
English (US)
© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use

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



Then Click “Save”.

Click “Edit”.


Route Tables | VPC Mana
Secure | https://us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#routetables:
aws
Services
Resource Groups
siva1n82
Ohio
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 thei
1 to 2 of 2 Route Tables
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...
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
IPv4 CIDR
IPv6 CIDR
subnet-f1ff1d8b | Sansbound_Public_Subnet_Ohio
192.168.2.0/24
-
Feedback
English (US)
© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use

Check “Sanbound_Public_Subnet_Ohio” and click “save”.