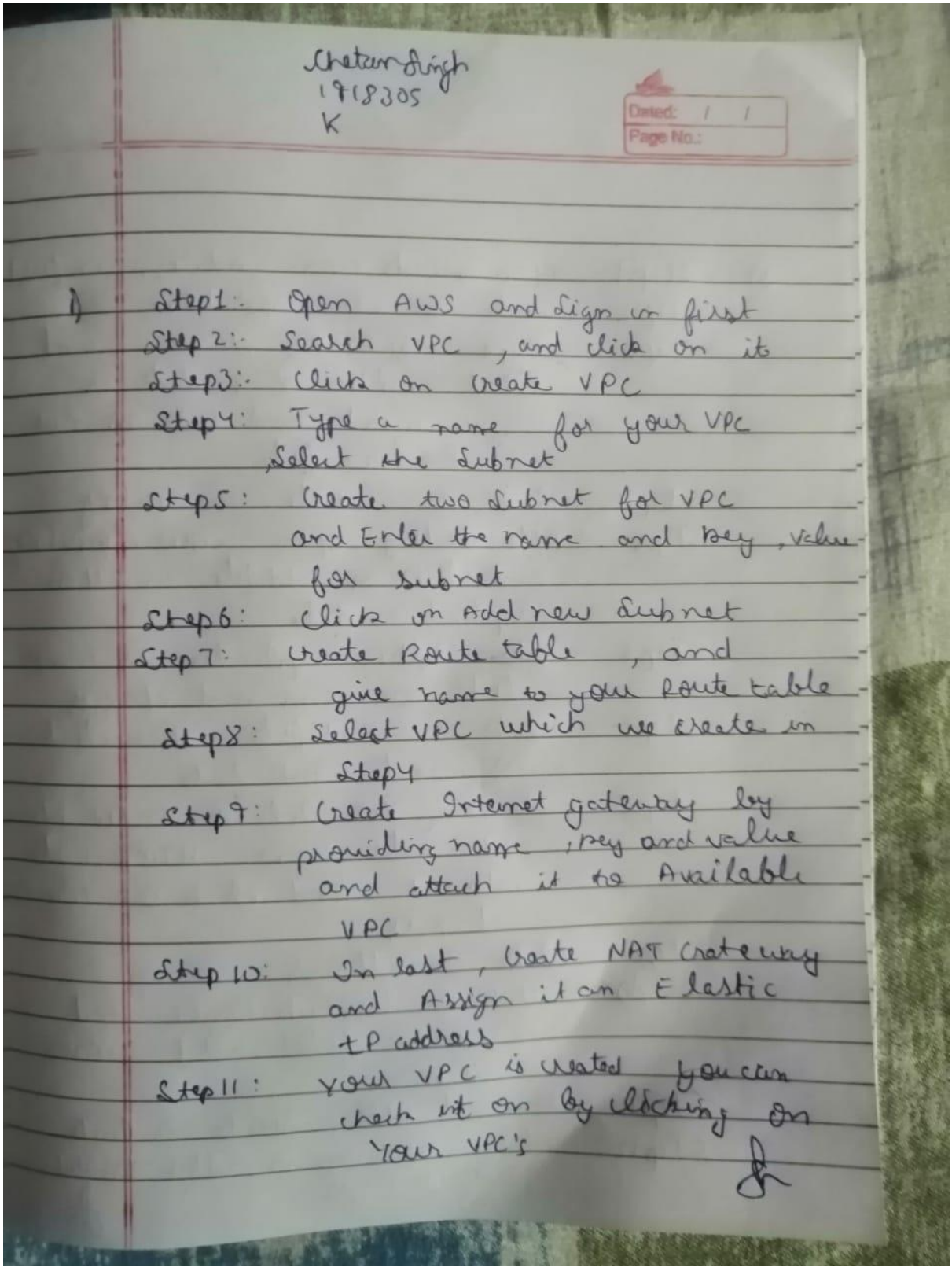
1)NECESSARY STEPS WITH OUTPUT TO CREATE VPC



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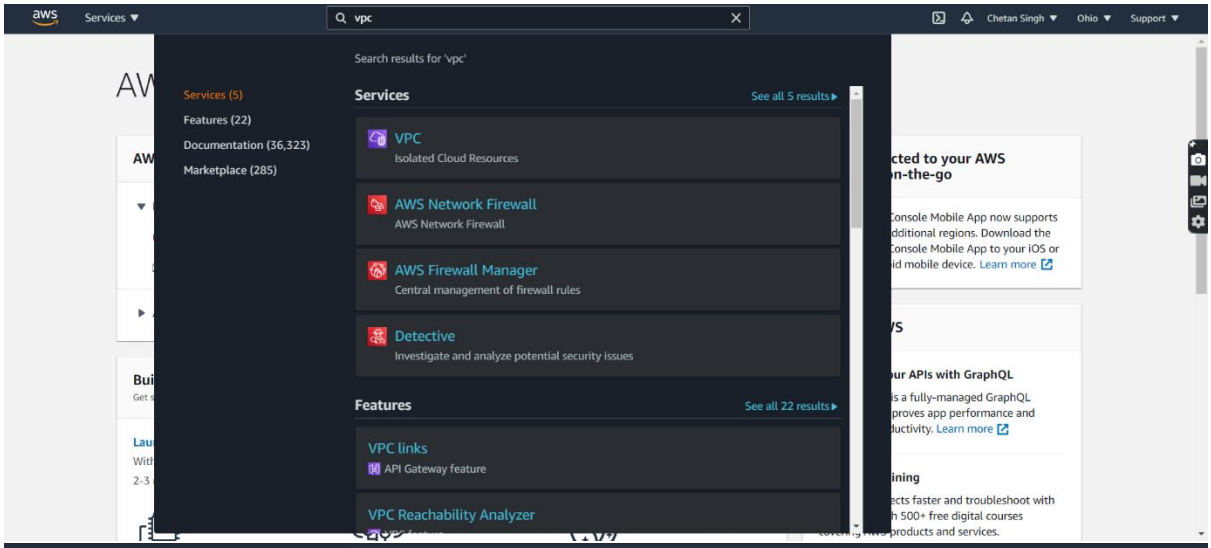
1) Step1: Open AWS and Sign in first
Step 2: Search VPC, and click on it
Step3: Click on create VPC
Step4: Type a name for your VPC
Select the Subnet
Step5: Create two Subnet for VPC
and Enter the name and key, value
for subnet
Step6: Click on Add new Subnet
Step 7: Create Route table, and
give name to your Route table
Step8: Select VPC which we create in
Step4
Step 9: Create Internet gateway by
providing name, key and value
and attach it to Available
VPC
Step 10: In last, create NAT Gateway
and Assign it an Elastic
IP address
Step 11: Your VPC is created you can
check it on by clicking on
Your VPC's


aws
Services
vpc
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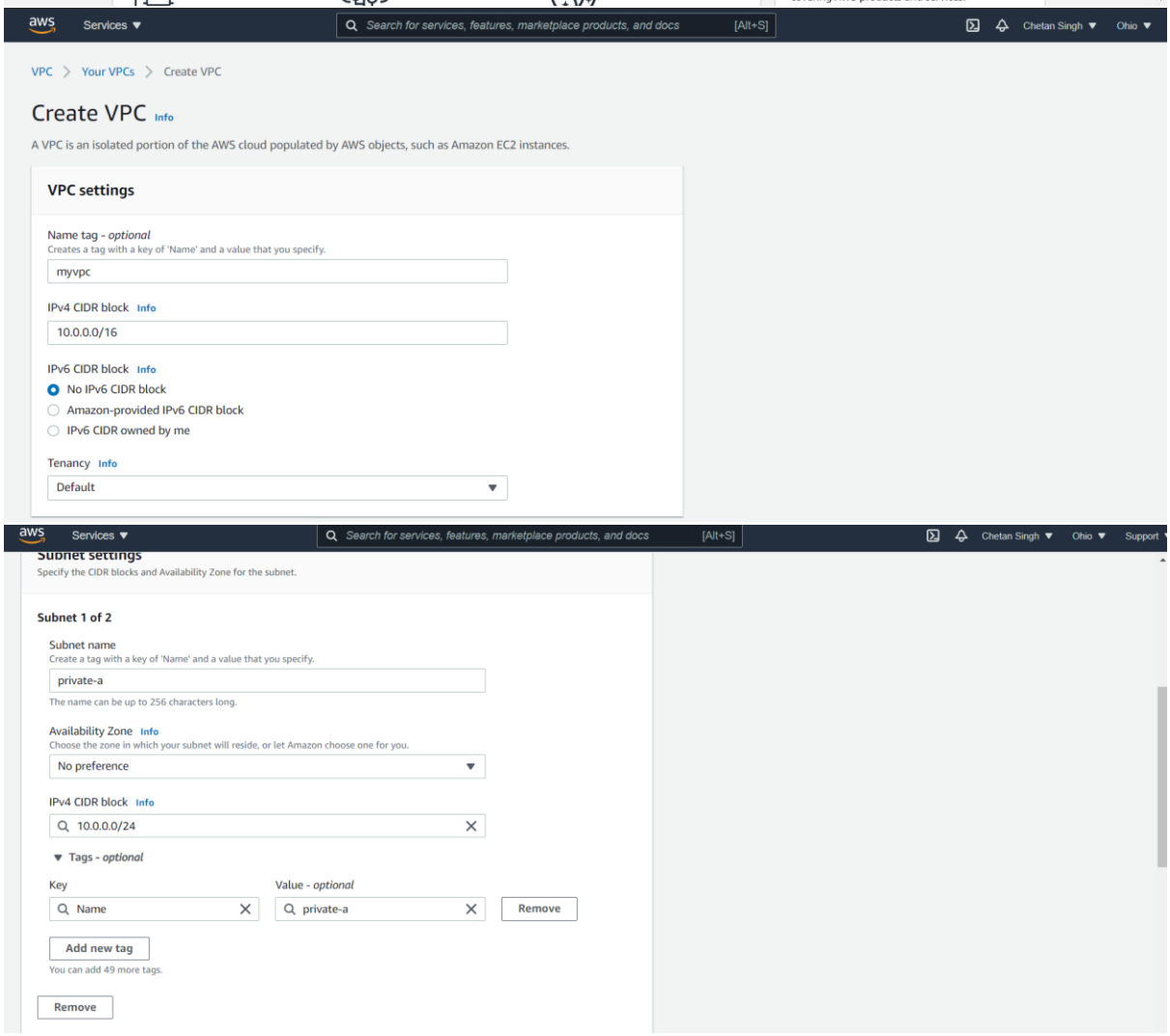
Support
Search results for 'vpc'
Services (5)
Features (22)
Documentation (36,323)
Marketplace (285)
Services
See all 5 results
VPC
Isolated Cloud Resources
AWS Network Firewall
AWS Network Firewall
AWS Firewall Manager
Central management of firewall rules
Detective
Investigate and analyze potential security issues
Features
See all 22 results
VPC links
API Gateway feature
VPC Reachability Analyzer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Services
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VPC > Your VPCs > 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
Name tag - optional
Creates a tag with a key of 'Name' and a value that you specify.
myvpc
IPv4 CIDR block Info
10.0.0.0/16
IPv6 CIDR block Info
No IPv6 CIDR block
Amazon-provided IPv6 CIDR block
IPv6 CIDR owned by me
Tenancy Info
Default

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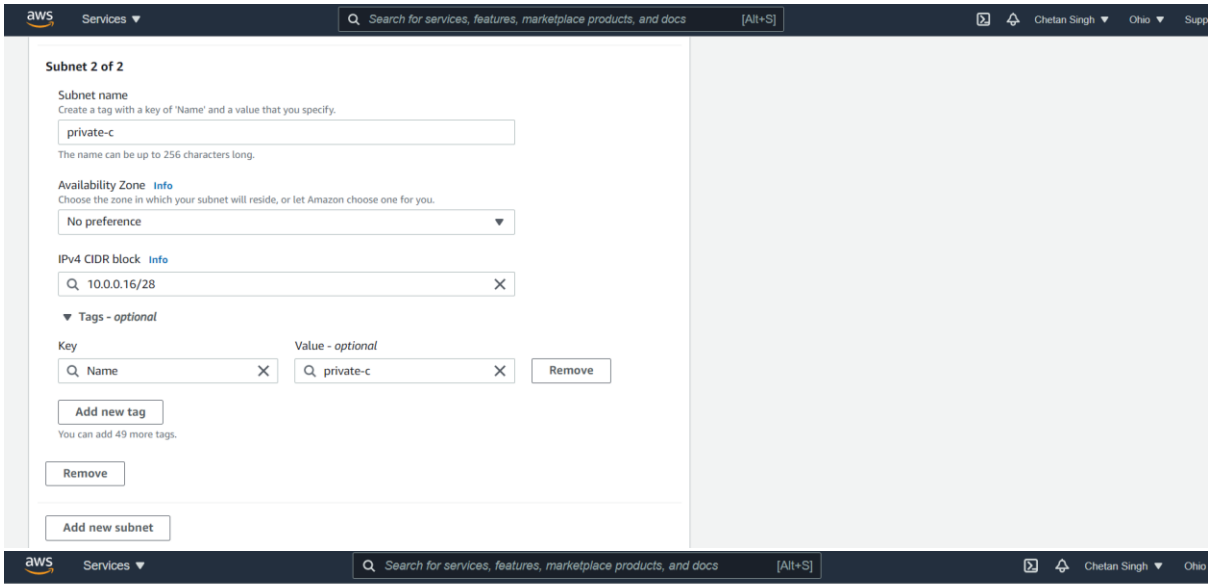
Support
Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.
Subnet 1 of 2
Subnet name
Create a tag with a key of 'Name' and a value that you specify.
private-a
The name can be up to 256 characters long.
Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
No preference
IPv4 CIDR block Info
10.0.0.0/24
Tags - optional
Key
Value - optional
Name
private-a
Remove
Add new tag
You can add 49 more tags.
Remove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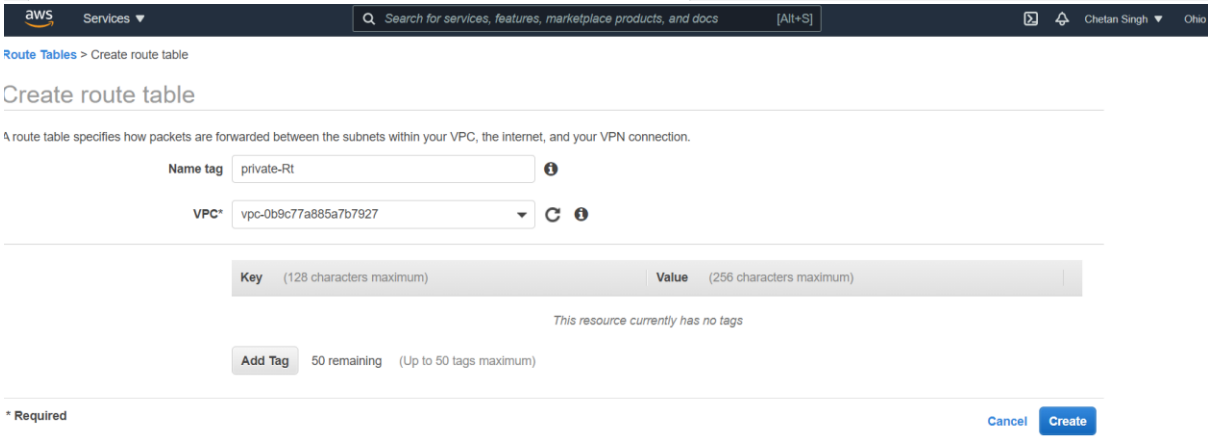
Subnet 2 of 2
Subnet name
Create a tag with a key of 'Name' and a value that you specify.
private-c
The name can be up to 256 characters long.
Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
No preference
IPv4 CIDR block Info
10.0.0.16/28
Tags - optional
Key
Value - optional
Name
private-c
Remove
Add new tag
You can add 49 more tags.
Remove
Add new subnet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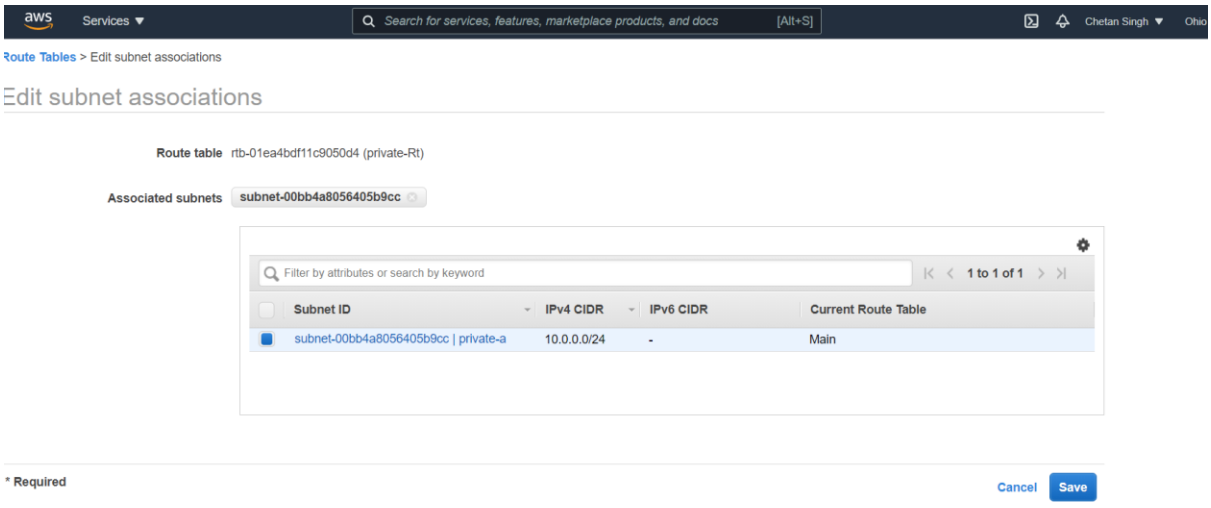
Route Tables > Create route table
Create route table
A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.
Name tag
private-Rt
VPC*
vpc-0b9c77a885a7b7927
Key (128 characters maximum)
Value (256 characters maximum)
This resource currently has no tags
Add Tag
50 remaining
(Up to 50 tags maximum)
* Required
Cancel
Create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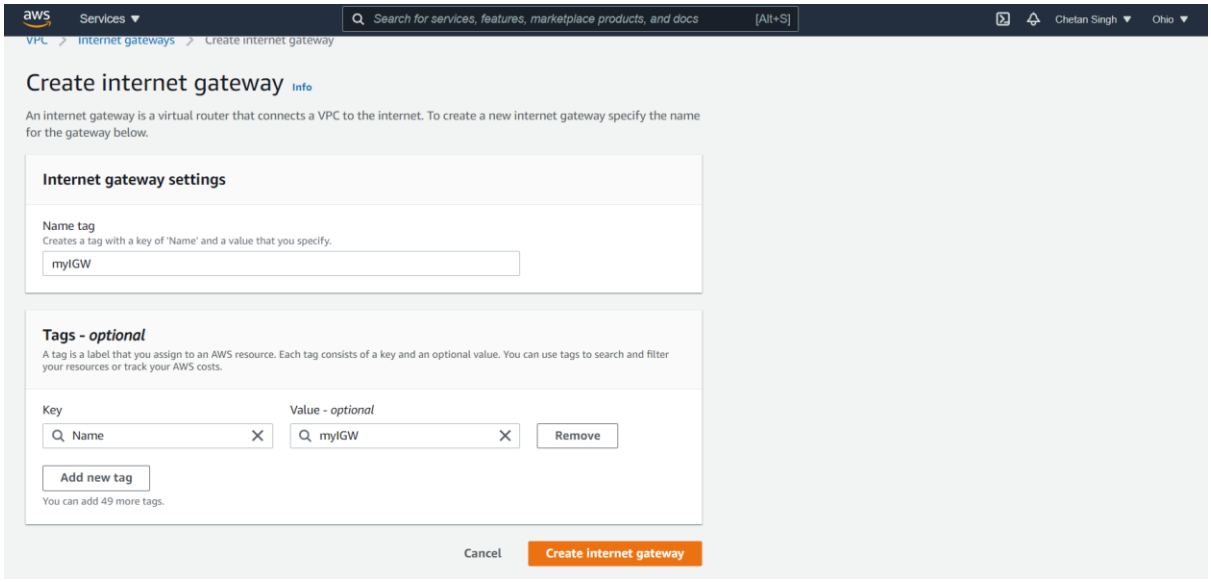
Route Tables > Edit subnet associations
Edit subnet associations
Route table
rtb-01ea4bdf11c9050d4 (private-Rt)
Associated subnets
subnet-00bb4a8056405b9cc
Filter by attributes or search by keyword
1 to 1 of 1
Subnet ID
IPv4 CIDR
IPv6 CIDR
Current Route Table
subnet-00bb4a8056405b9cc | private-a
10.0.0.0/24
-
Main
* Required
Cancel
Save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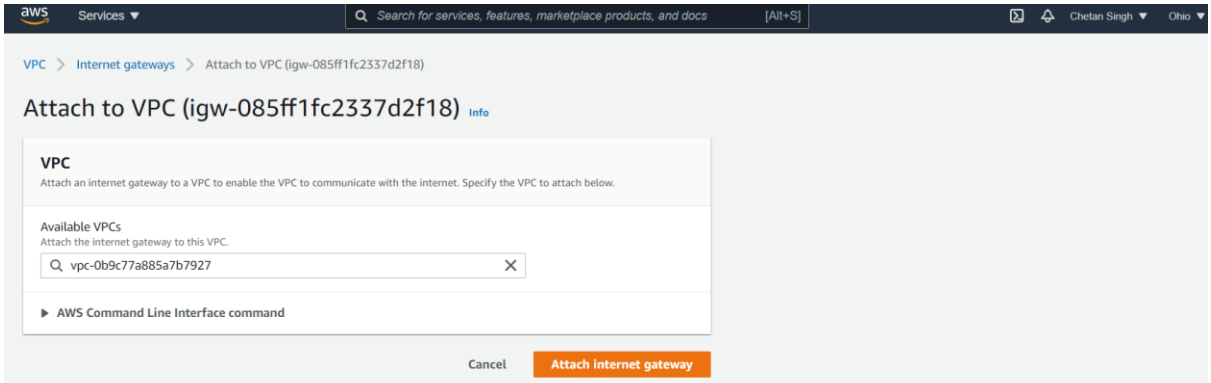
VPC > Internet gateways > Create internet gateway
Create internet gateway Info
An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.
Internet gateway settings
Name tag
Creates a tag with a key of 'Name' and a value that you specify.
myIGW
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
Name
myIGW
Remove
Add new tag
You can add 49 more tags.
Cancel
Create internet gateway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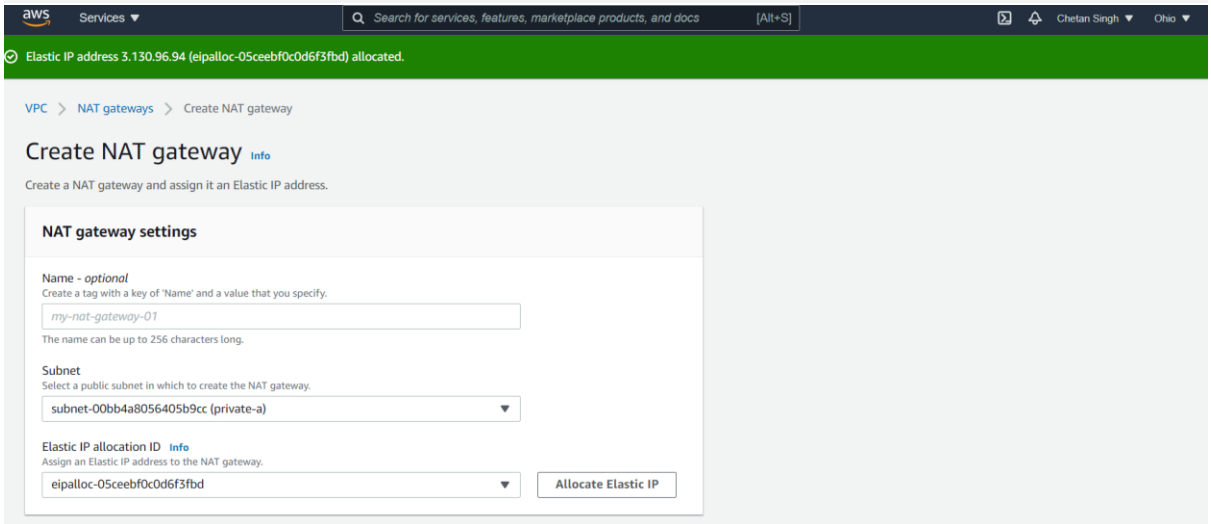
VPC > Internet gateways > Attach to VPC (igw-085ff1fc2337d2f18)
Attach to VPC (igw-085ff1fc2337d2f18) Info
VPC
Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.
Available VPCs
Attach the internet gateway to this VPC.
vpc-0b9c77a885a7b7927
AWS Command Line Interface command
Cancel
Attach internet gateway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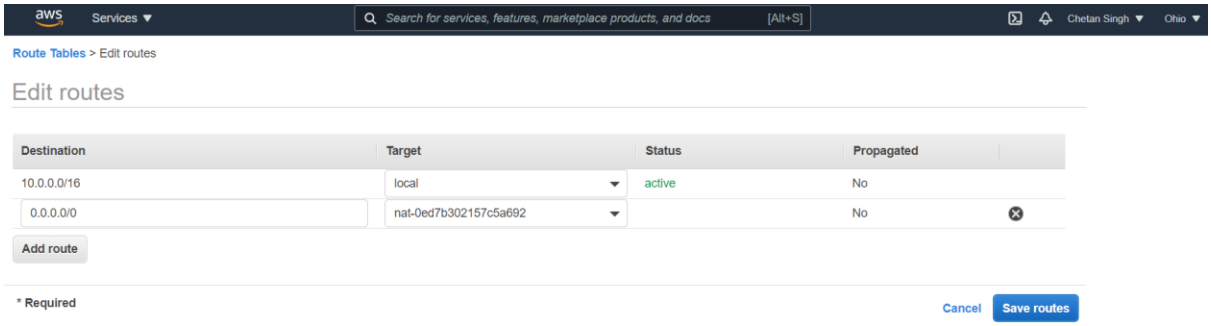
Elastic IP address 3.130.96.94 (eipalloc-05ceebf0c0d6f3fbd) allocated.
VPC > NAT gateways > Create NAT gateway
Create NAT gateway Info
Create a NAT gateway and assign it an Elastic IP address.
NAT gateway settings
Name - optional
Create a tag with a key of 'Name' and a value that you specify.
my-nat-gateway-01
The name can be up to 256 characters long.
Subnet
Select a public subnet in which to create the NAT gateway.
subnet-00bb4a8056405b9cc (private-a)
Elastic IP allocation ID Info
Assign an Elastic IP address to the NAT gateway.
eipalloc-05ceebf0c0d6f3fbd
Allocate Elastic IP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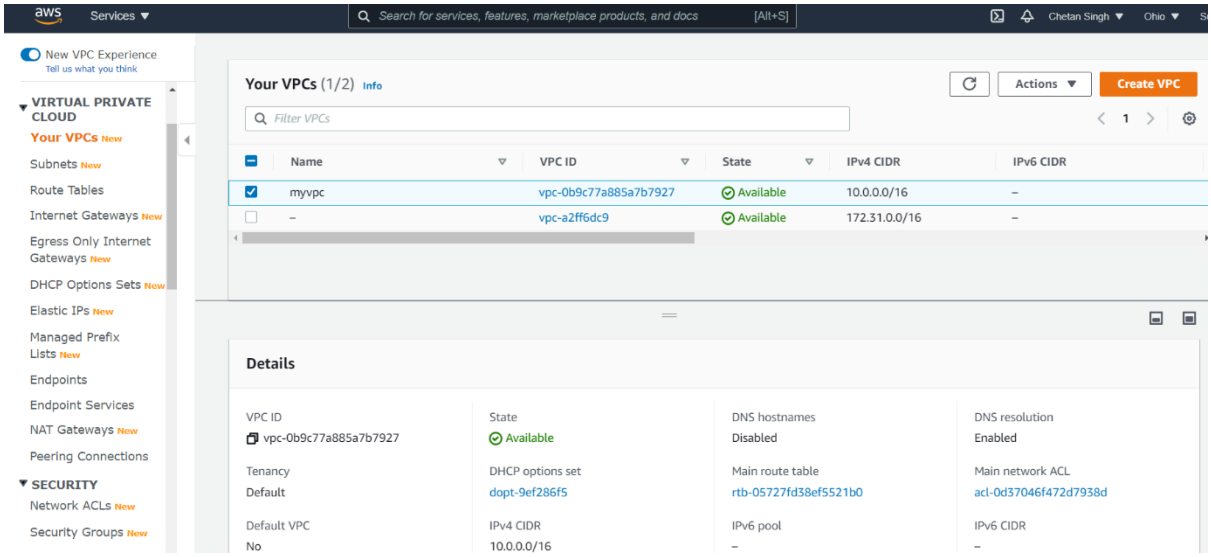
Route Tables > Edit routes
Edit routes
Destination
Target
Status
Propagated
10.0.0.0/16
local
active
No
0.0.0.0/0
nat-0ed7b302157c5a692
No
Add route
* Required
Cancel
Save routes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New VPC Experience
Tell us what you think
VIRTUAL PRIVATE CLOUD
Your VPCs New
Subnets New
Route Tables
Internet Gateways New
Egress Only Internet Gateways New
DHCP Options Sets New
Elastic IPs New
Managed Prefix Lists New
Endpoints
Endpoint Services
NAT Gateways New
Peering Connections
SECURITY
Network ACLs New
Security Groups New
Your VPCs (1/2) Info
Actions
Create VPC
Filter VPCs
Name
VPC ID
State
IPv4 CIDR
IPv6 CIDR
myvpc
vpc-0b9c77a885a7b7927
Available
10.0.0.0/16
–
vpc-a2ff6dc9
Available
172.31.0.0/16
Details
VPC ID
vpc-0b9c77a885a7b7927
State
Available
DNS hostnames
Disabled
DNS resolution
Enabled
Tenancy
Default
DHCP options set
dopt-9ef286f5
Main route table
rtb-05727fd38ef5521b0
Main network ACL
acl-0d37046f472d7938d
Default VPC
No
IPv4 CIDR
10.0.0.0/16
IPv6 pool
–
IPv6 CIDR
–