VPC TASK -02

1) Create one VPC,with 1 one public subnet and 1 private subnet.

Click on "Create VPC" Enter a name for your VPC.

Enter an IPv4 CIDR block. Click "Create VPC".

Create a Public Subnet Go to the VPC console.

Select the VPC. Click on "Subnets" in the left-hand menu.

Click on "Create subnet". Enter a name for your public subnet.

Select the VPC. Enter an IPv4 CIDR block. Enable auto-assign public IPv4 address. Click "Create subnet Create an Internet Gateway

Go to the VPC console. Click on "Internet Gateways" in the left-hand menu.

Click on "Create internet gateway". Enter a name for your internet gateway.

Click "Create internet gateway" Attach the internet gateway to your VPC

Update Route Table for Public Subnet

Go to the VPC console Select the VPC Click on "Route Tables" in the left-handmenu. Select the route table associated with your public subnet.

Click on "Actions" and then select "Edit route table".

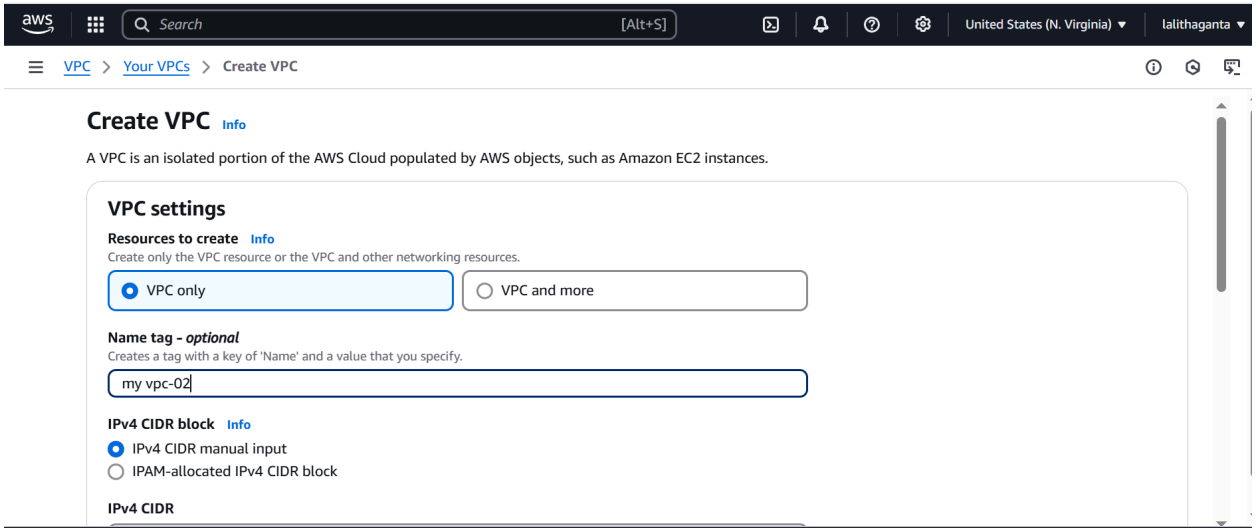
Add a route with destination 0.0.0.0/0 and target as the internet gateway

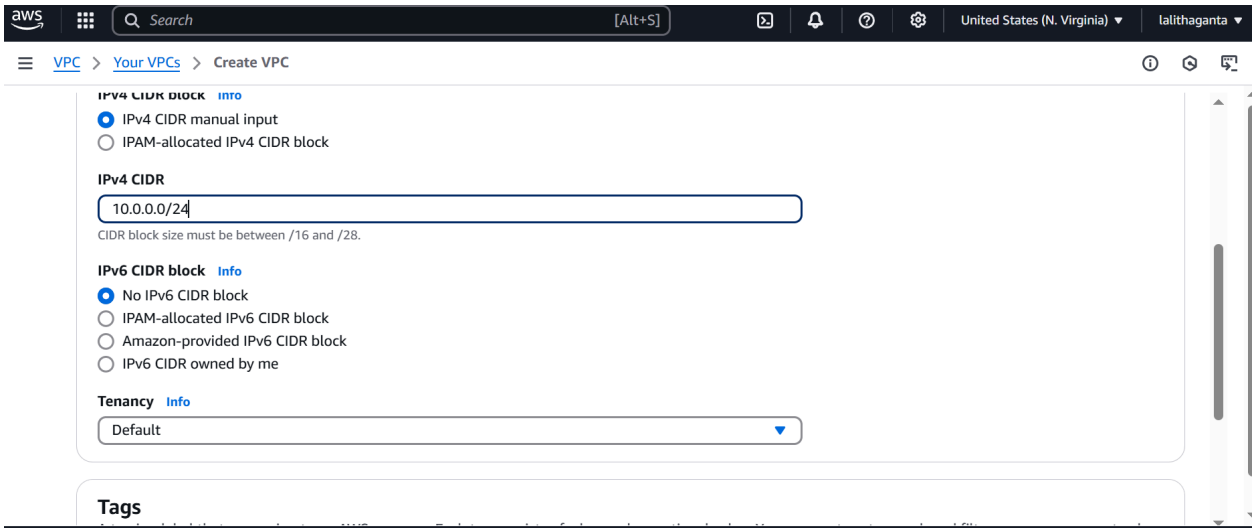
Click "Save changes". Create a Private Subnet

Go to the VPC console. Select the VPC. Click on "Subnets" in the left-hand menu. Click on "Create subnet". Enter a name for your private subnet.

Select the VPC. Enter an IPv4 CIDR block.

Click "Create subnet


Search [Alt+S]
United States (N. Virginia)
lalithaganta
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
Resources to create Info
Create only the VPC resource or the VPC and other networking resources.
VPC only
VPC and more
Name tag - optional
Creates a tag with a key of 'Name' and a value that you specify.
my vpc-02
IPv4 CIDR block Info
IPv4 CIDR manual input
IPAM-allocated IPv4 CIDR block
IPv4 CIDR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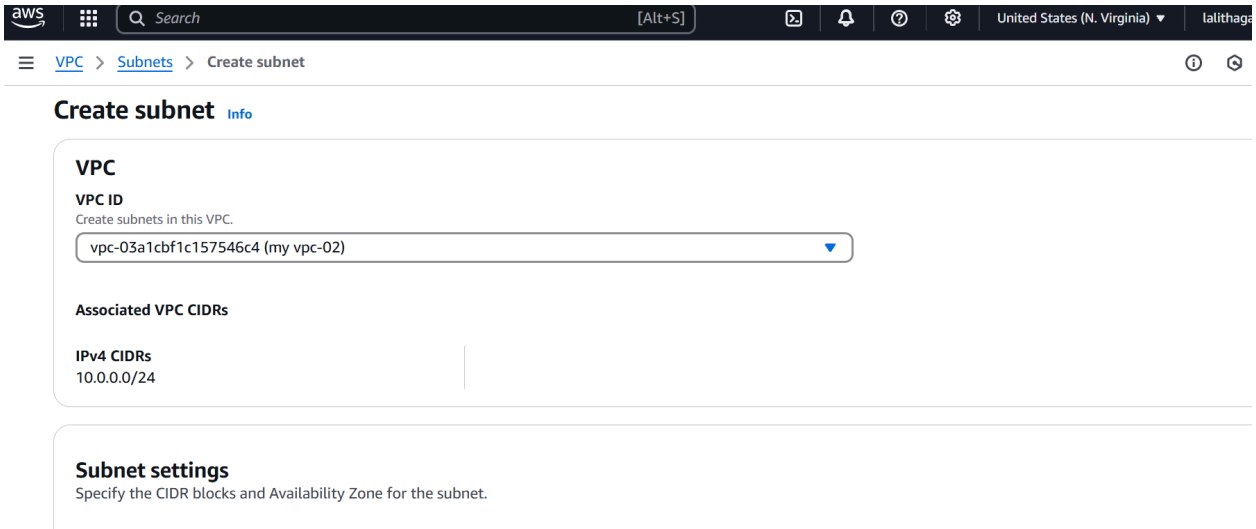
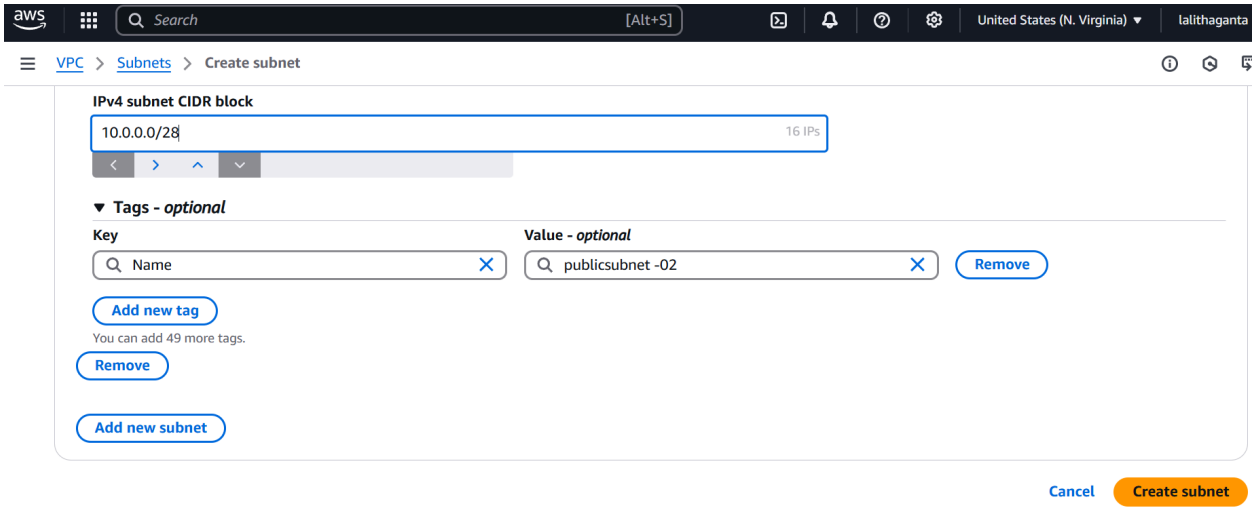
VPC > Your VPCs > Create VPC
IPv4 CIDR manual input
IPAM-allocated IPv4 CIDR block
IPv4 CIDR
10.0.0.0/24
CIDR block size must be between /16 and /28.
IPv6 CIDR block Info
No IPv6 CIDR block
IPAM-allocated IPv6 CIDR block
Amazon-provided IPv6 CIDR block
IPv6 CIDR owned by me
Tenancy Info
Default
Tags


Search [Alt+S]
United States (N. Virginia)
VPC > Subnets > Create subnet
Create subnet Info
VPC
VPC ID
Create subnets in this VPC.
vpc-03a1cbf1c157546c4 (my vpc-02)
Associated VPC CIDRs
IPv4 CIDRs
10.0.0.0/24
Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.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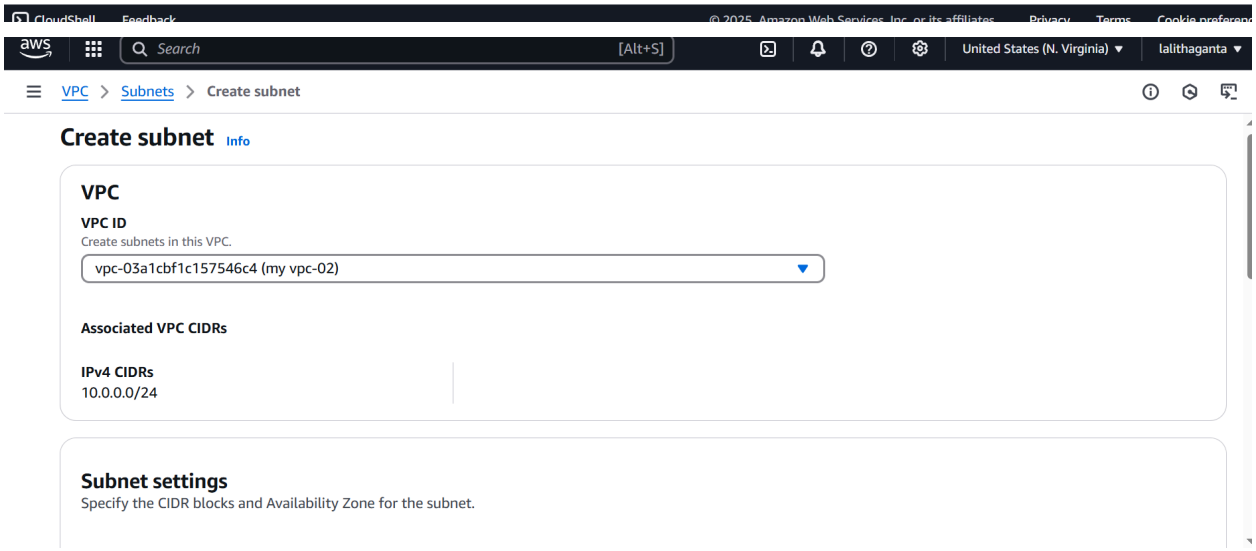
VPC > Subnets > Create subnet
IPv4 subnet CIDR block
10.0.0.0/28
16 IPs
Tags - optional
Key
Value - optional
Name
publicsubnet -02
Remove
Add new tag
You can add 49 more tags.
Remove
Add new subnet
Cancel
Create subnet


CloudShell
Feedback
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United States (N. Virginia)
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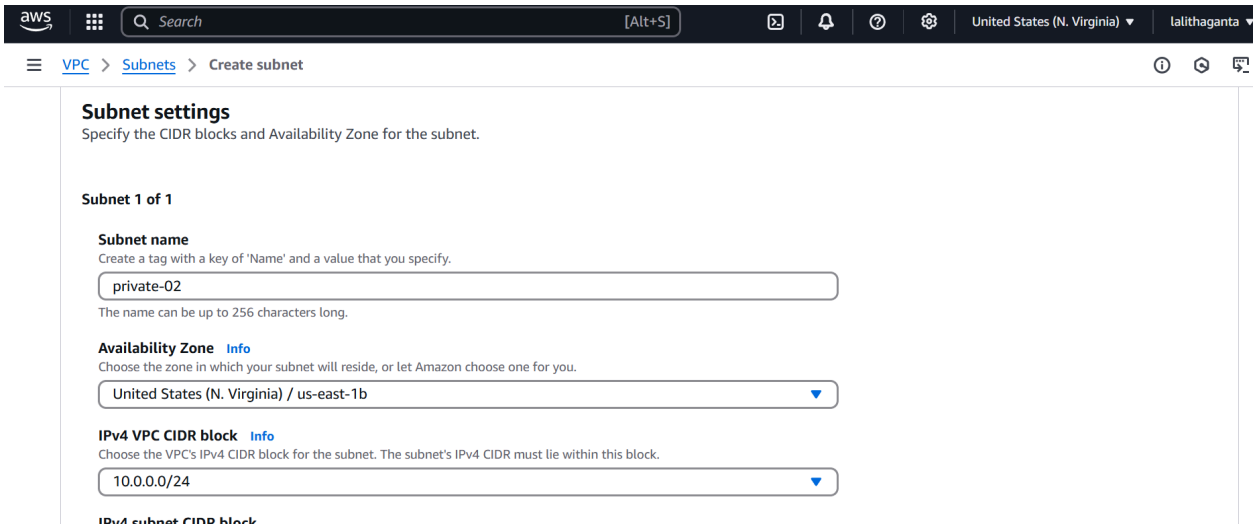
VPC > Subnets > Create subnet
Create subnet Info
VPC
VPC ID
Create subnets in this VPC.
vpc-03a1cbf1c157546c4 (my vpc-02)
Associated VPC CIDRs
IPv4 CIDRs
10.0.0.0/24
Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.


Search
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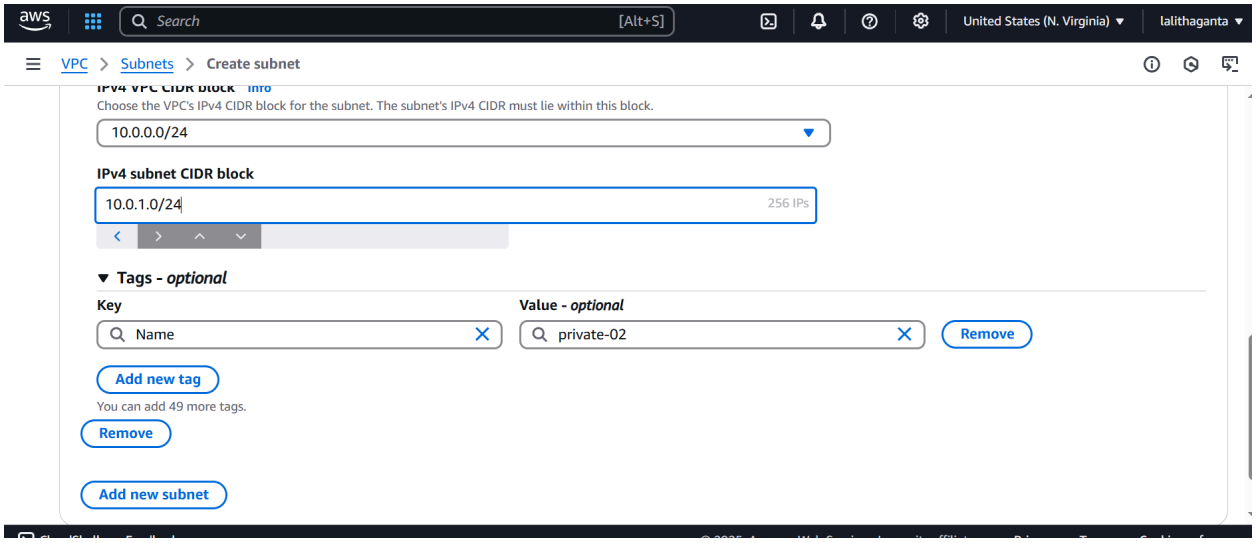
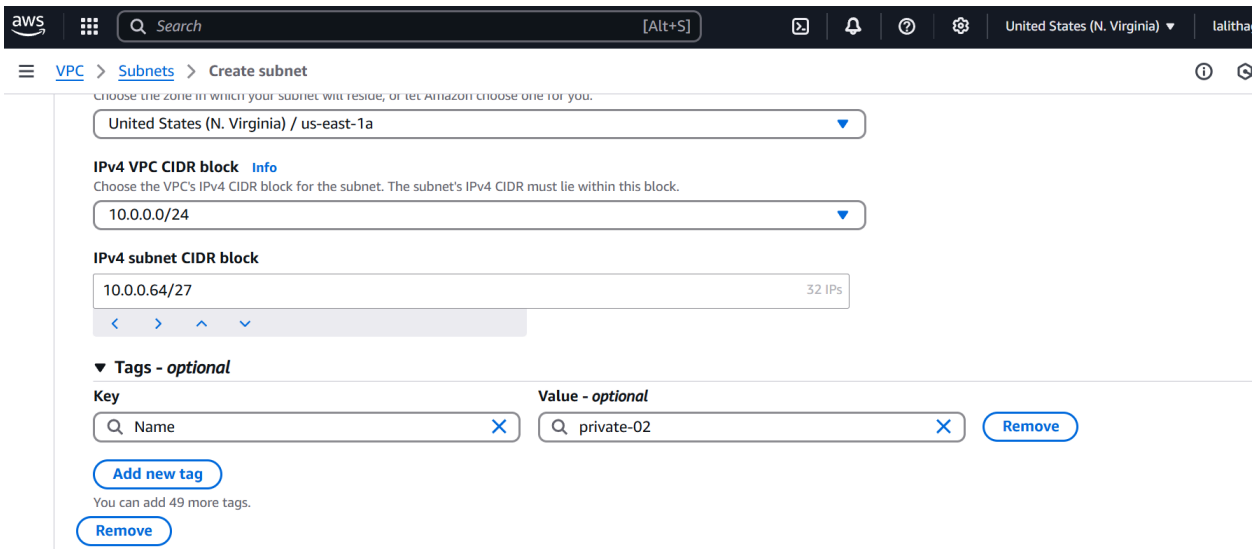
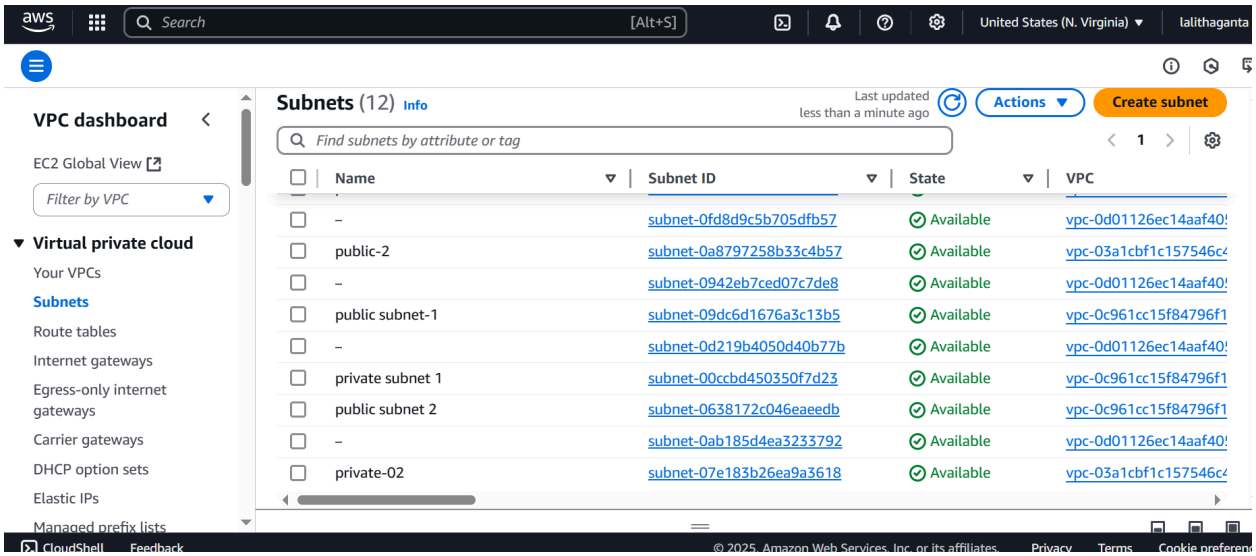
United States (N. Virginia)
lalithaganta
VPC > Subnets > Create subnet
Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.
Subnet 1 of 1
Subnet name
Create a tag with a key of 'Name' and a value that you specify.
private-02
The name can be up to 256 characters long.
Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
United States (N. Virginia) / us-east-1b
IPv4 VPC CIDR block Info
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.
10.0.0.0/24


Search [Alt+S]
United States (N. Virginia)
lalithaganta
VPC > Subnets > Create subnet
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.
10.0.0.0/24
IPv4 subnet CIDR block
10.0.1.0/24
256 IPs
Tags - optional
Key
Value - optional
Name
private-02
Remove
Add new tag
You can add 49 more tags.
Remove
Add new subnet


Search [Alt+S]
United States (N. Virginia)
VPC > Subnets > Create subnet
United States (N. Virginia) / us-east-1a
IPv4 VPC CIDR block Info
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.
10.0.0.0/24
IPv4 subnet CIDR block
10.0.0.64/27
32 IPs
Tags - optional
Key
Value - optional
Name
private-02
Remove
Add new tag
You can add 49 more tags.
Remove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VPC dashboard
EC2 Global View
Filter by VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Subnets (12) Info
Last updated less than a minute ago
Actions
Create subnet
Find subnets by attribute or tag
Name
Subnet ID
State
VPC
– subnet-0fd8d9c5b705dfb57 Available vpc-0d01126ec14aaf40
public-2 subnet-0a8797258b33c4b57 Available vpc-03a1cbf1c157546c
– subnet-0942eb7ced07c7de8 Available vpc-0d01126ec14aaf40
public subnet-1 subnet-09dc6d1676a3c13b5 Available vpc-0c961cc15f84796f1
– subnet-0d219b4050d40b77b Available vpc-0d01126ec14aaf40
private subnet 1 subnet-00ccbd450350f7d23 Available vpc-0c961cc15f84796f1
public subnet 2 subnet-0638172c046eaeedb Available vpc-0c961cc15f84796f1
– subnet-0ab185d4ea3233792 Available vpc-0d01126ec14aaf40
private-02 subnet-07e183b26ea9a3618 Available vpc-03a1cbf1c157546c
CloudShell
Feedback
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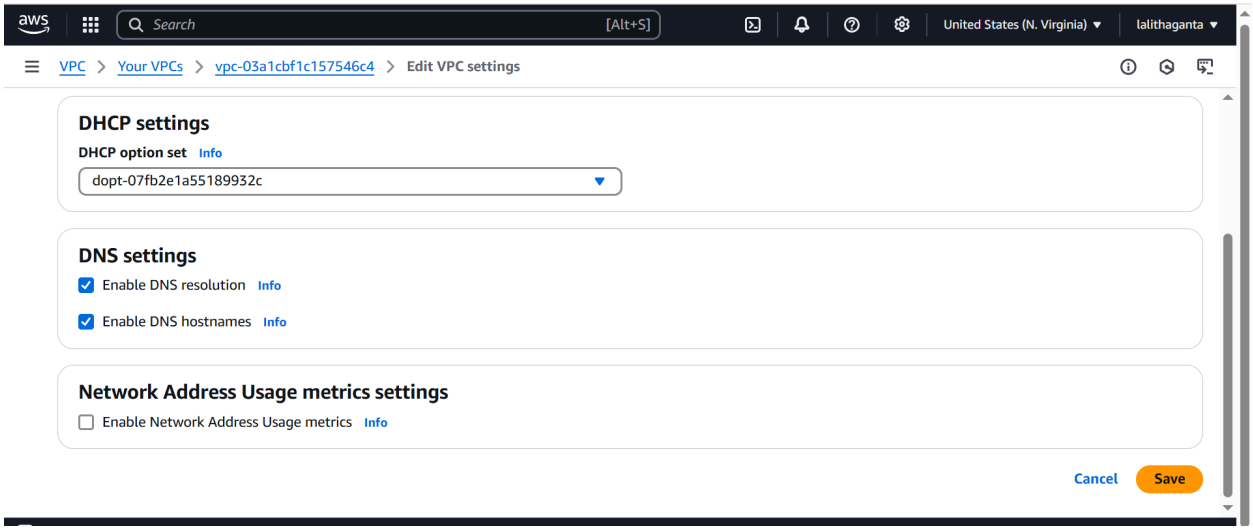


2) Enable VPC peering for cross region.

Create a VPC Peering Connection Go to the VPC console.

Click on "Peering Connections" in the left-hand menu.

Click on "Create peering connection".Select "Another AWS account" or "My account" depending on your use case.

Choose the VPC in the current region (Requester VPC).

Enter the VPC ID and region of the VPC you want to peer with (AccepterVPC).

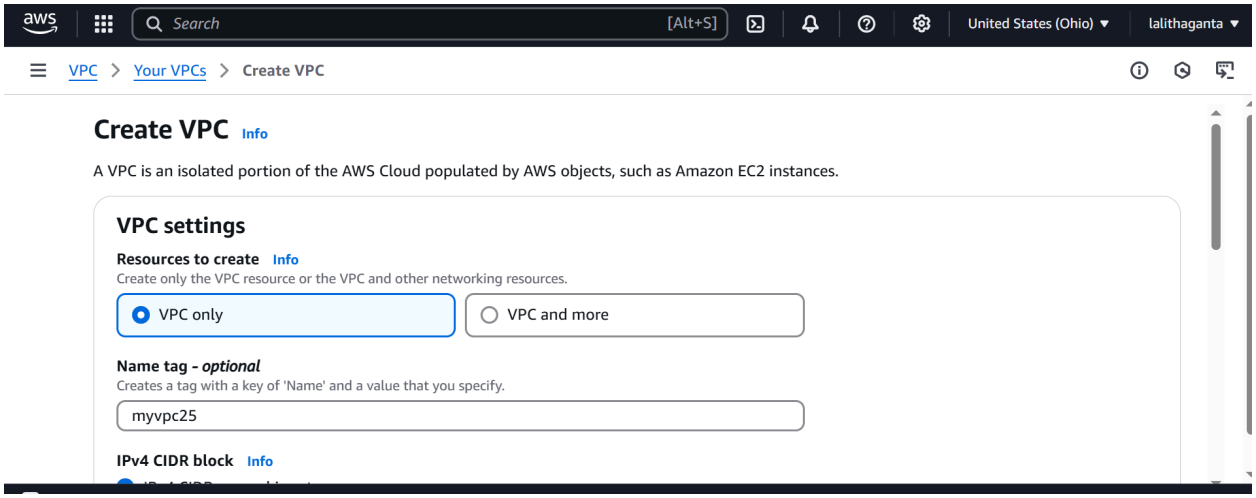
Click "Create peering connection". Accept the VPC Peering Connection

Log in to the AWS account that owns the Accepter VPC. Go to the VPC console in the region of the Accepter VPC. Click on "Peering Connections" in the left-hand menu. Find the pending peering connection and select it.

Click on "Actions" and then select "Accept request". Accept the VPC Peering Connection Log in to the AWS account that owns the Accepter VPC.

Go to the VPC console in the region of the Accepter VPC. Click on "Peering Connections" in the left-hand menu. Find the pending peering connection and select it. Click on "Actions" and then select "Accept request". Confirm that you want to accept the peering connection. Update Route Tables

Update the route tables in both VPCs to include routes for the peering connection. Add a route for the CIDR block of the peer VPC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United States (Ohio)
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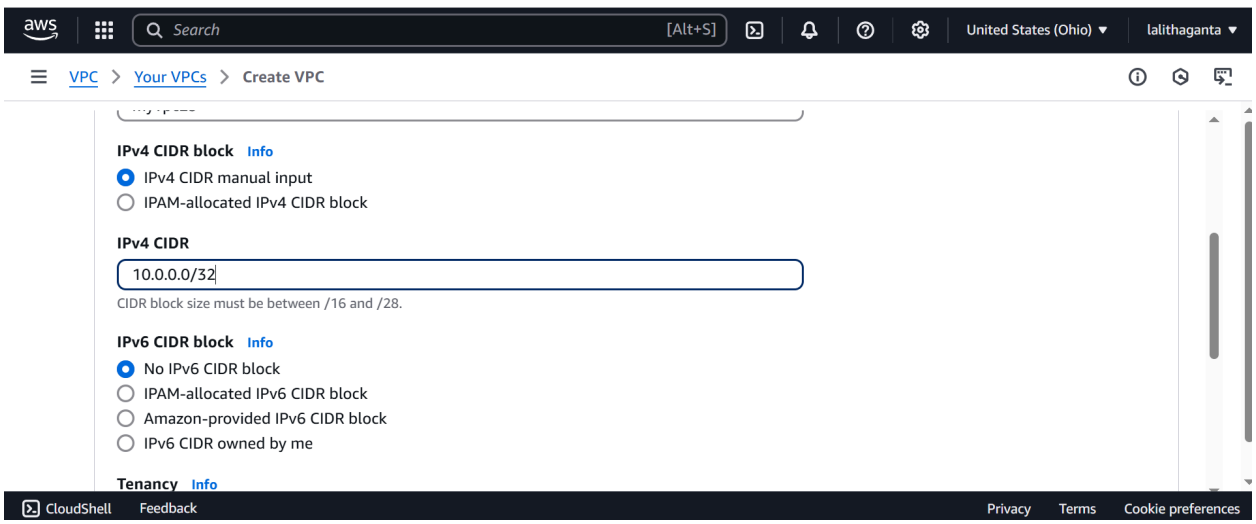
VPC > Your VPCs > Create VPC
Create VPC Info
A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.
VPC settings
Resources to create Info
Create only the VPC resource or the VPC and other networking resources.
VPC only
VPC and more
Name tag - optional
Creates a tag with a key of 'Name' and a value that you specify.
myvpc25
IPv4 CIDR block Info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United States (Ohio)
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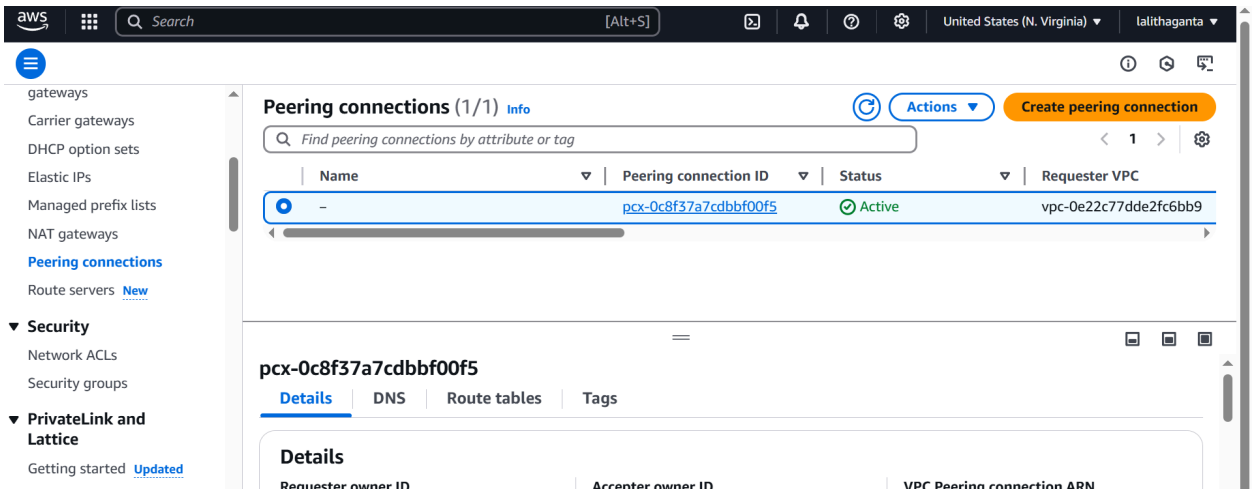
VPC > Your VPCs > Create VPC
IPv4 CIDR block Info
IPv4 CIDR manual input
IPAM-allocated IPv4 CIDR block
IPv4 CIDR
10.0.0.0/32
CIDR block size must be between /16 and /28.
IPv6 CIDR block Info
No IPv6 CIDR block
IPAM-allocated IPv6 CIDR block
Amazon-provided IPv6 CIDR block
IPv6 CIDR owned by me
Tenancy Info
CloudShell
Feedback
Privacy
Terms
Cookie preferences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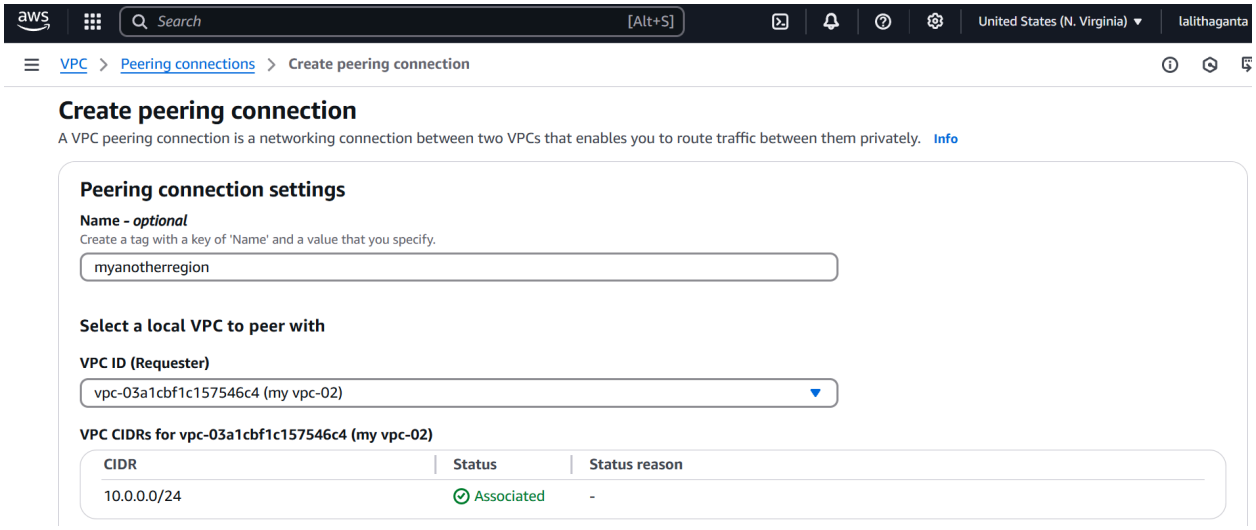
gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
NAT gateways
Peering connections
Route servers New
Security
Network ACLs
Security groups
PrivateLink and Lattice
Getting started Updated
Peering connections (1/1) Info
Actions
Create peering connection
Find peering connections by attribute or tag
Name
Peering connection ID
Status
Requester VPC
pcx-0c8f37a7cdbbf00f5
Active
vpc-0e22c77dde2fc6bb9
pcx-0c8f37a7cdbbf00f5
Details
DNS
Route tables
Tags
Details


Search [Alt+S]
United States (N. Virginia)
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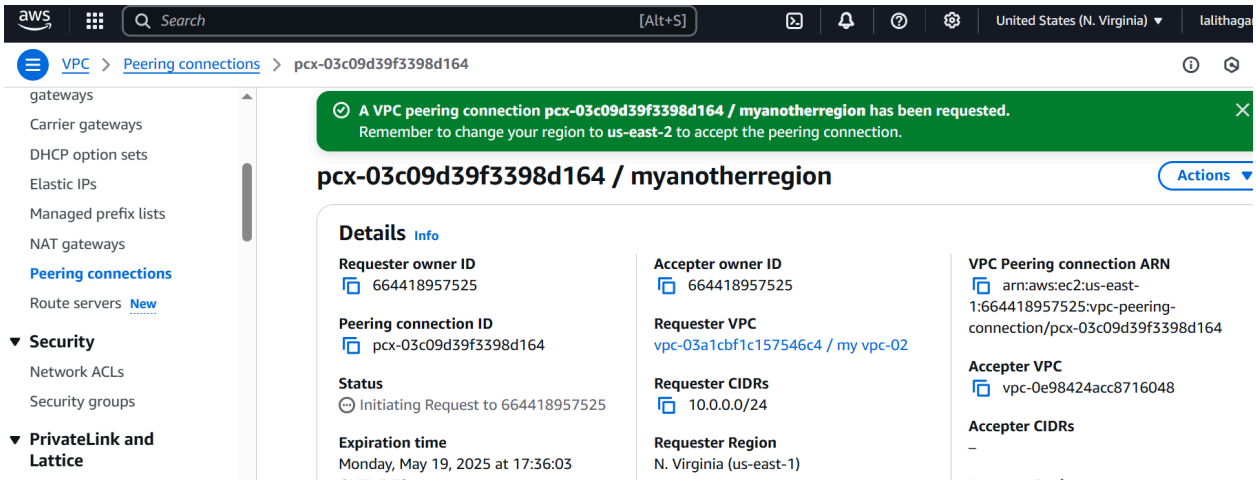
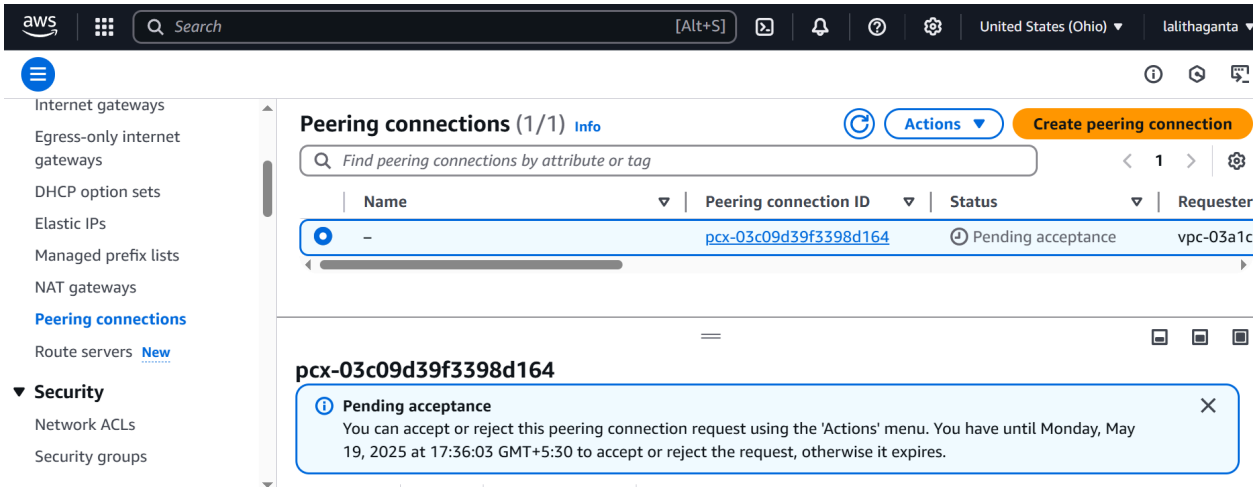
VPC > Peering connections > Create peering connection
Create peering connection
A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them privately. Info
Peering connection settings
Name - optional
Create a tag with a key of 'Name' and a value that you specify.
myanotherregion
Select a local VPC to peer with
VPC ID (Requester)
vpc-03a1cbf1c157546c4 (my vpc-02)
VPC CIDRs for vpc-03a1cbf1c157546c4 (my vpc-02)
CIDR
Status
Status reason
10.0.0.0/24
Associated
-


Search [Alt+S]
United States (N. Virginia)
VPC > Peering connections > pcx-03c09d39f3398d164
gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
NAT gateways
Peering connections
Route servers New
Security
Network ACLs
Security groups
PrivateLink and Lattice
A VPC peering connection pcx-03c09d39f3398d164 / myanotherregion has been requested.
Remember to change your region to us-east-2 to accept the peering connection.
pcx-03c09d39f3398d164 / myanotherregion
Actions
Details Info
Requester owner ID
664418957525
Peering connection ID
pcx-03c09d39f3398d164
Status
Initiating Request to 664418957525
Expiration time
Monday, May 19, 2025 at 17:36:03
Accepter owner ID
664418957525
Requester VPC
vpc-03a1cbf1c157546c4 / my vpc-02
Requester CIDRs
10.0.0.0/24
Requester Region
N. Virginia (us-east-1)
VPC Peering connection ARN
arn:aws:ec2:us-east-1:664418957525:vpc-peering-connection/pcx-03c09d39f3398d164
Accepter VPC
vpc-0e98424acc8716048
Accepter CIDRs
–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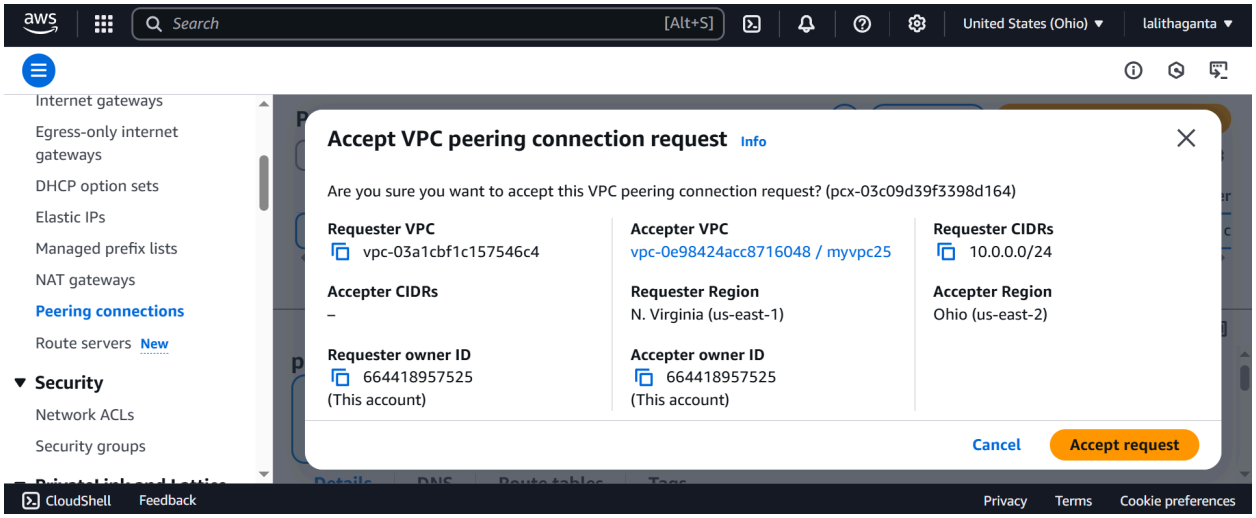
Internet gateways
Egress-only internet gateways
DHCP option sets
Elastic IPs
Managed prefix lists
NAT gateways
Peering connections
Route servers New
Security
Network ACLs
Security groups
Peering connections (1/1) Info
Actions
Create peering connection
Find peering connections by attribute or tag
Name
Peering connection ID
Status
Requester
–
pcx-03c09d39f3398d164
Pending acceptance
vpc-03a1c
pcx-03c09d39f3398d164
Pending acceptance
You can accept or reject this peering connection request using the 'Actions' menu. You have until Monday, May 19, 2025 at 17:36:03 GMT+5:30 to accept or reject the request, otherwise it expires.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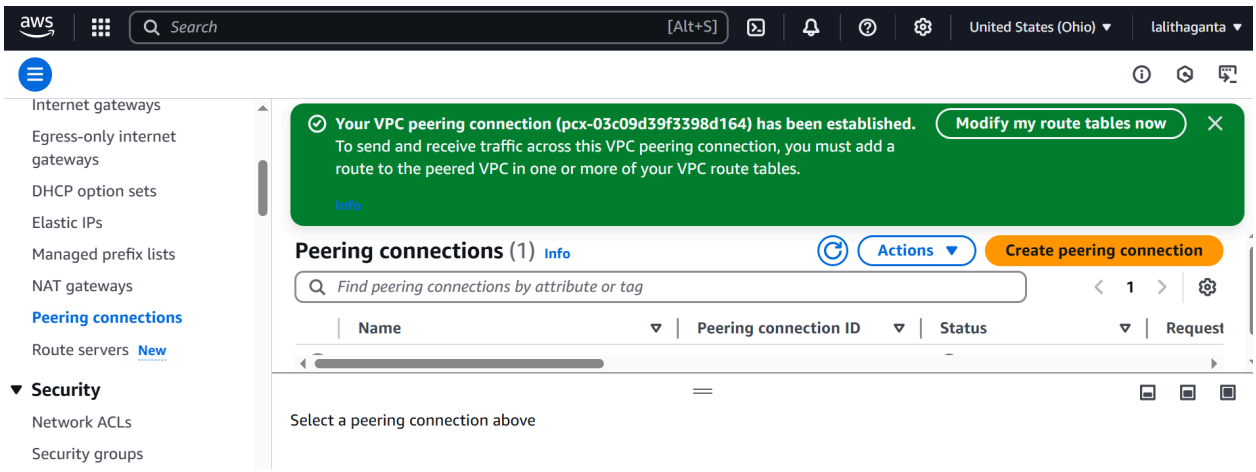
Internet gateways
Egress-only internet gateways
DHCP option sets
Elastic IPs
Managed prefix lists
NAT gateways
Peering connections
Route servers New
Security
Network ACLs
Security groups
Accept VPC peering connection request Info
Are you sure you want to accept this VPC peering connection request? (pcx-03c09d39f3398d164)
Requester VPC
vpc-03a1cbf1c157546c4
Accepter VPC
vpc-0e98424acc8716048 / myvpc25
Requester CIDRs
10.0.0.0/24
Accepter CIDRs
–
Requester Region
N. Virginia (us-east-1)
Accepter Region
Ohio (us-east-2)
Requester owner ID
664418957525
(This account)
Accepter owner ID
664418957525
(This account)
Cancel
Accept request
CloudShell
Feedback
Privacy
Terms
Cookie preferences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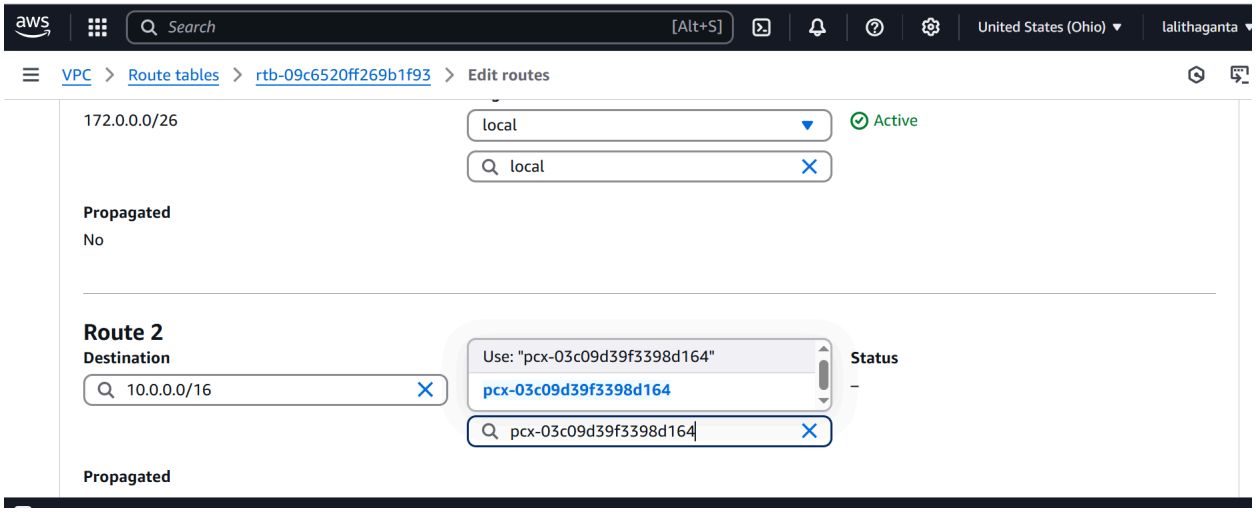
Internet gateways
Egress-only internet gateways
DHCP option sets
Elastic IPs
Managed prefix lists
NAT gateways
Peering connections
Route servers New
Security
Network ACLs
Security groups
Your VPC peering connection (pcx-03c09d39f3398d164) has been established.
To send and receive traffic across this VPC peering connection, you must add a route to the peered VPC in one or more of your VPC route tables.
Info
Modify my route tables now
Peering connections (1) Info
Actions
Create peering connection
Find peering connections by attribute or tag
Name
Peering connection ID
Status
Request
Select a peering connection above


Search [Alt+S]
United States (Ohio)
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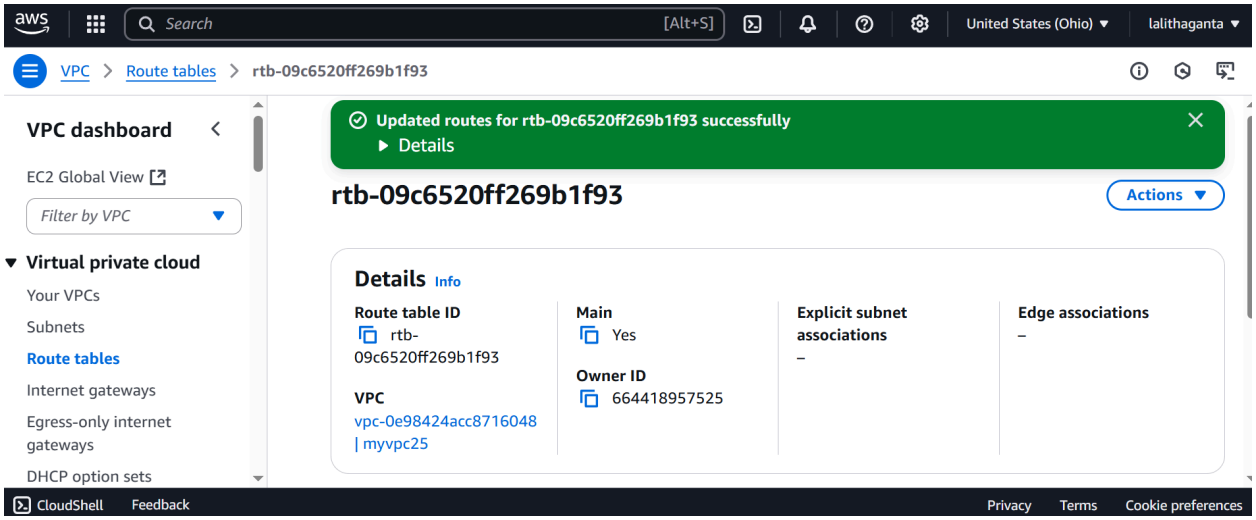
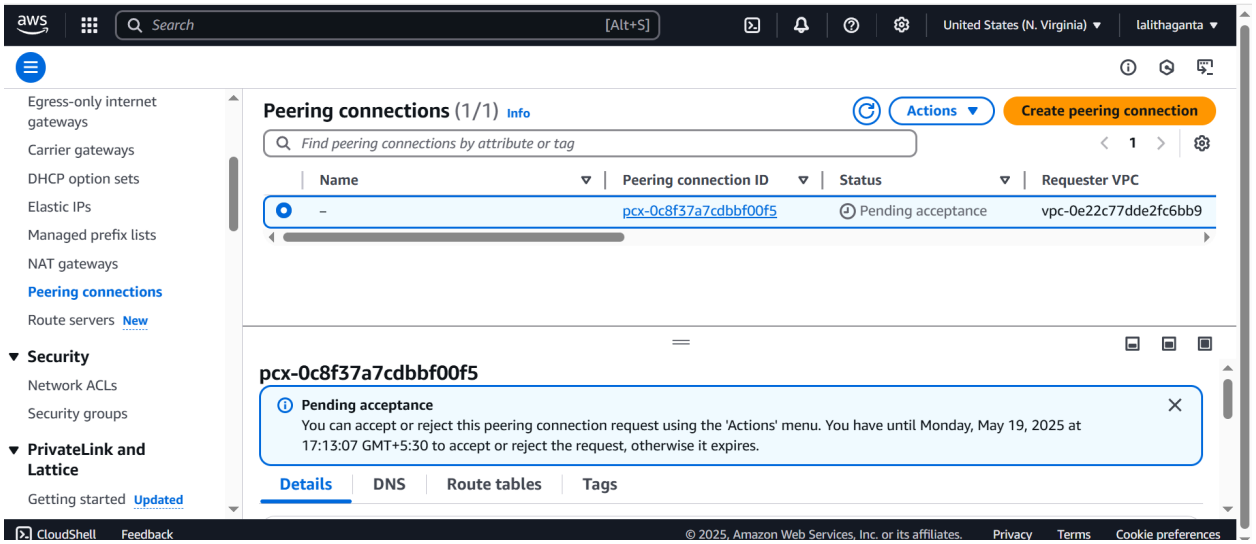
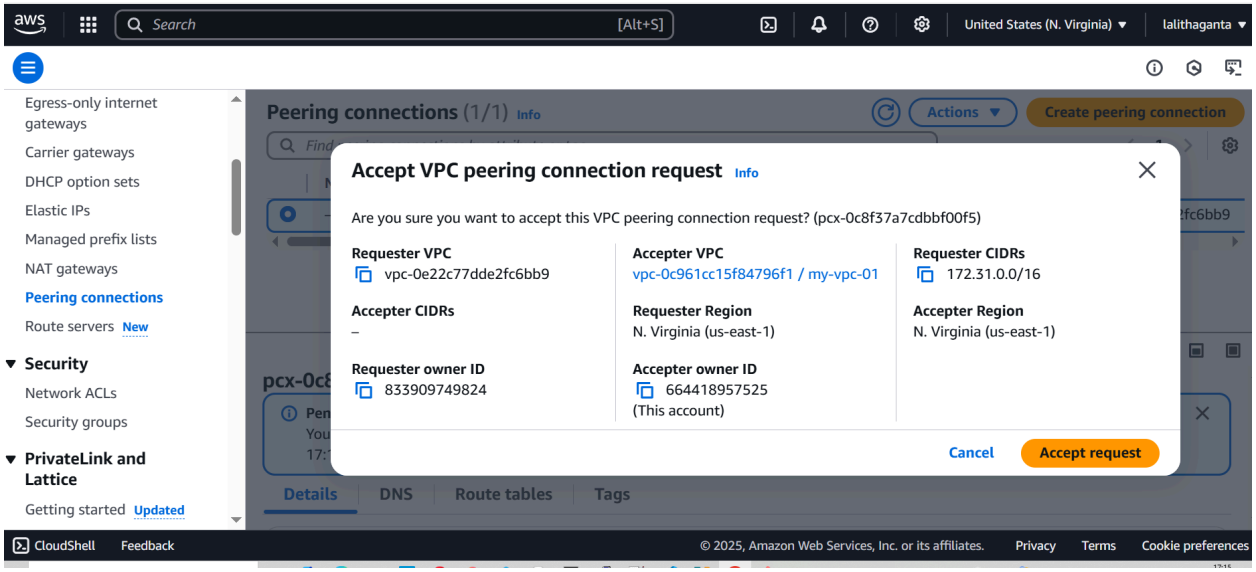
VPC > Route tables > rtb-09c6520ff269b1f93 > Edit routes
172.0.0.0/26
local
Active
local
Propagated
No
Route 2
Destination
10.0.0.0/16
Use: "pcx-03c09d39f3398d164"
pcx-03c09d39f3398d164
pcx-03c09d39f3398d164
Status
–
Propagated



3) Enable VPC peering for cross account. (You can collaborate with your friend and do this task).

Create a VPC Peering Connection (Requester Account)
Go to the VPC console in the requester account.
Click on "Peering Connections" and then "Create peering connection".
Select "Another AWS account". Enter the AWS account ID and VPC ID of the accepter account. Choose the VPC in the requester account.
Click "Create peering connection". Accept the VPC Peering Connection (Accepter Account)

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Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
NAT gateways
Peering connections
Route servers New
Security
Network ACLs
Security groups
PrivateLink and Lattice
Getting started Updated
Peering connections (1/1) Info
Actions
Create peering connection
Accept VPC peering connection request Info
Are you sure you want to accept this VPC peering connection request? (pcx-0c8f37a7cdbbf00f5)
Requester VPC
vpc-0e22c77dde2fc6bb9
Accepter VPC
vpc-0c961cc15f84796f1 / my-vpc-01
Requester CIDRs
172.31.0.0/16
Accepter CIDRs
–
Requester Region
N. Virginia (us-east-1)
Accepter Region
N. Virginia (us-east-1)
Requester owner ID
833909749824
Accepter owner ID
664418957525
(This account)
Cancel
Accept request
Details
DNS
Route tables
Tags
CloudShell
Feedback
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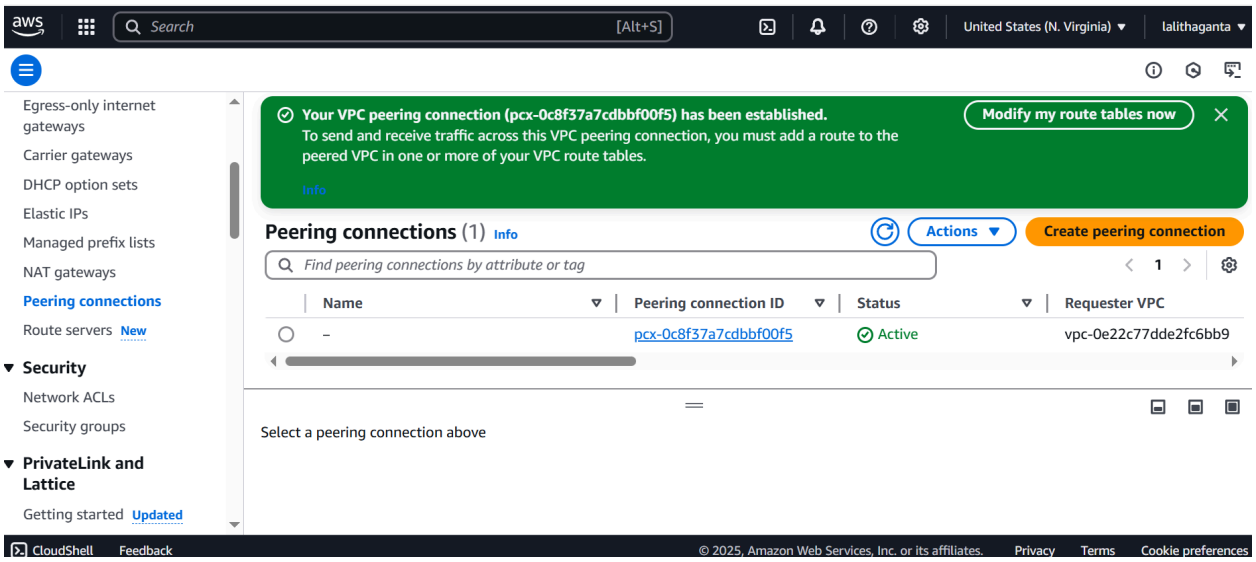
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Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
NAT gateways
Peering connections
Route servers New
Security
Network ACLs
Security groups
PrivateLink and Lattice
Getting started Updated
Your VPC peering connection (pcx-0c8f37a7cdbbf00f5) has been established.
To send and receive traffic across this VPC peering connection, you must add a route to the peered VPC in one or more of your VPC route tables.
Info
Modify my route tables now
Peering connections (1) Info
Actions
Create peering connection
Find peering connections by attribute or tag
Name
Peering connection ID
Status
Requester VPC
–
pcx-0c8f37a7cdbbf00f5
Active
vpc-0e22c77dde2fc6bb9
Select a peering connection above
CloudShell
Feedback
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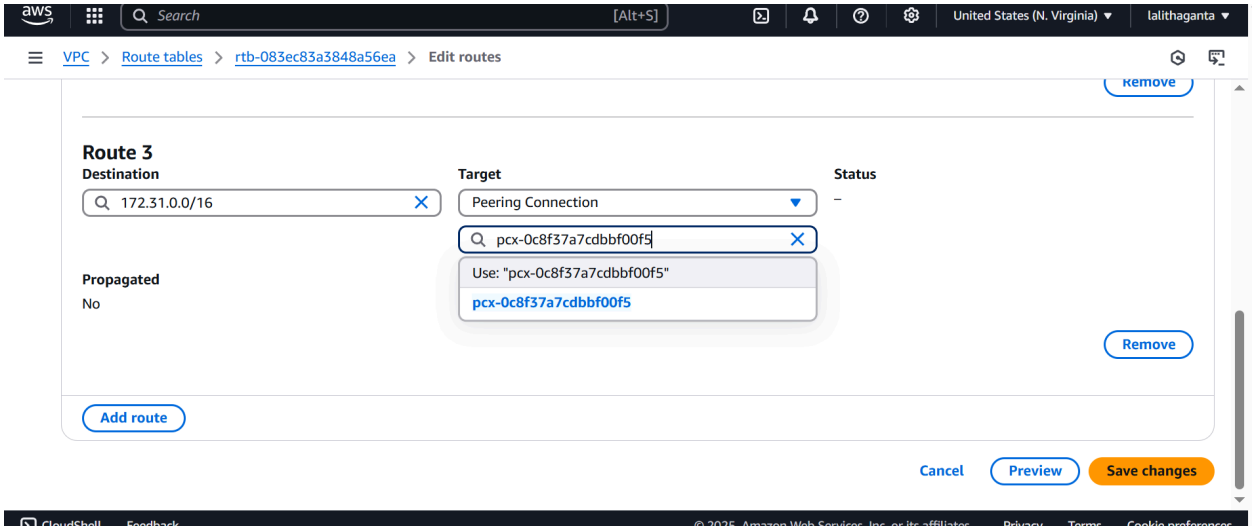
Search
[Alt+S]
United States (N. Virginia)
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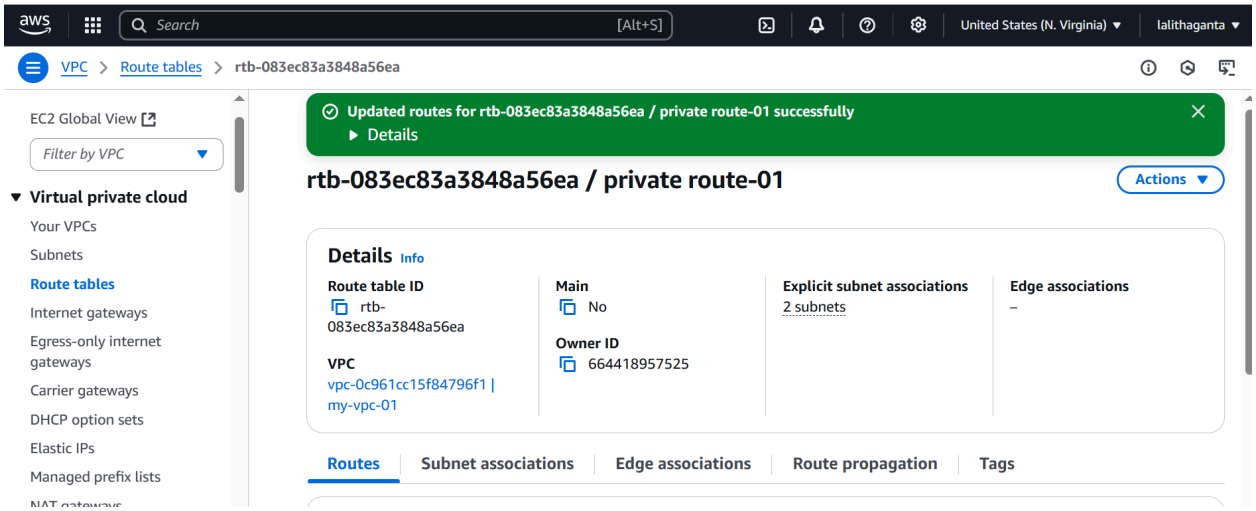
VPC
Route tables
rtb-083ec83a3848a56ea
Edit routes
Remove
Route 3
Destination
172.31.0.0/16
Target
Peering Connection
pcx-0c8f37a7cdbbf00f5
Use: "pcx-0c8f37a7cdbbf00f5"
pcx-0c8f37a7cdbbf00f5
Status
–
Propagated
No
Remove
Add route
Cancel
Preview
Save changes


Search
[Alt+S]
United States (N. Virginia)
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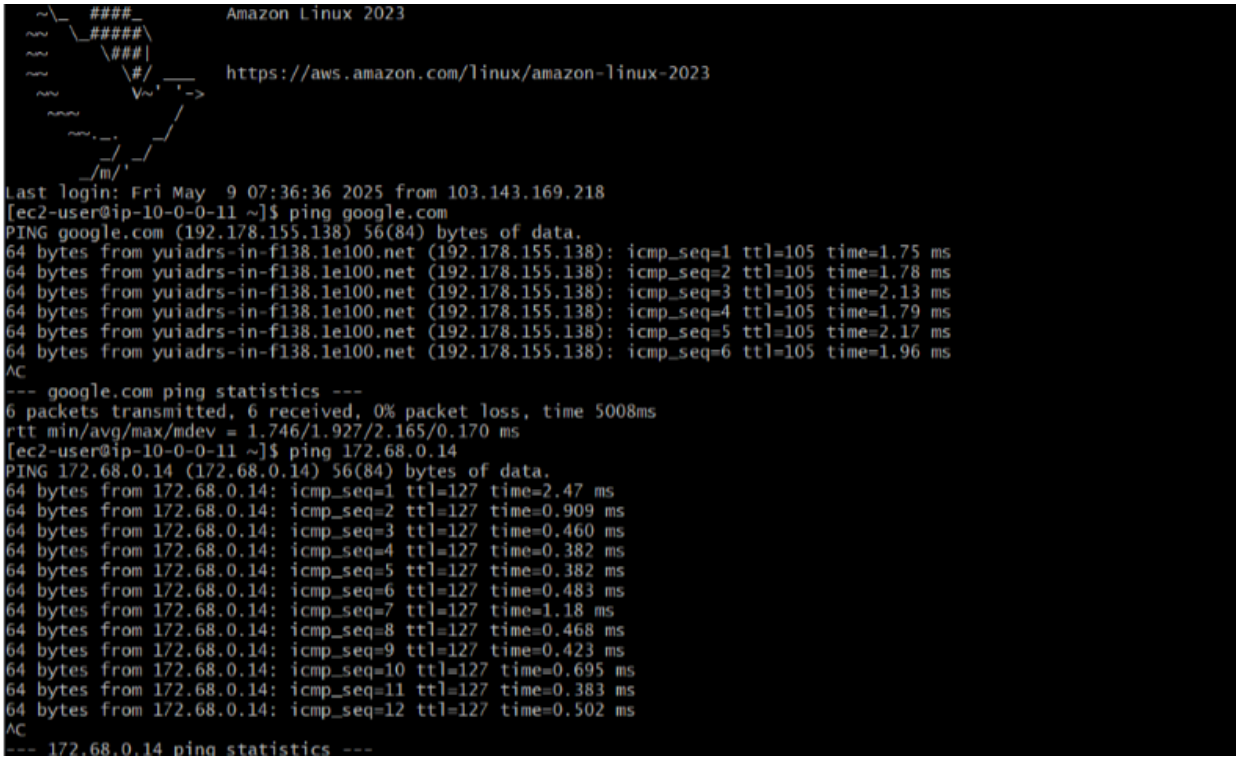
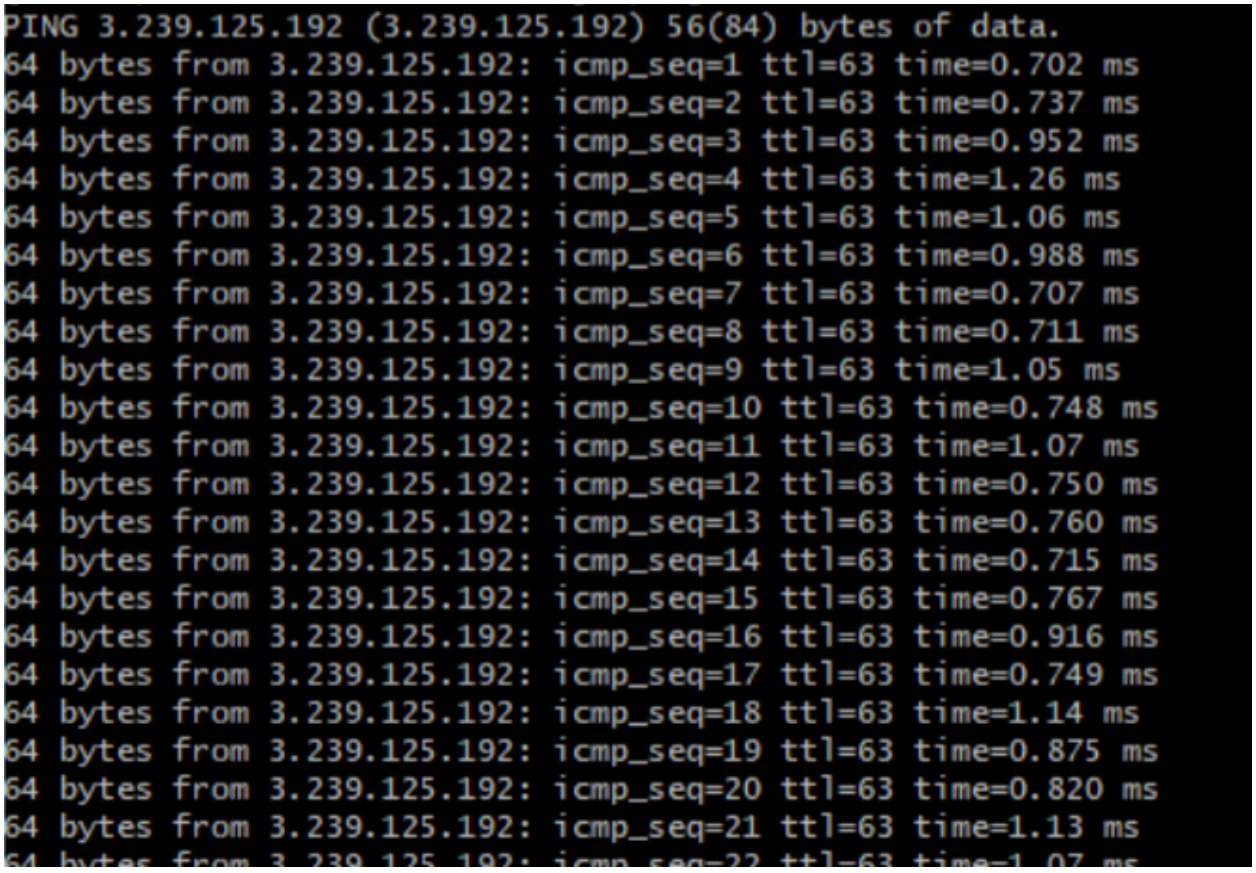
VPC
Route tables
rtb-083ec83a3848a56ea
EC2 Global View
Filter by VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Updated routes for rtb-083ec83a3848a56ea / private route-01 successfully
Details
rtb-083ec83a3848a56ea / private route-01
Actions
Details
Info
Route table ID
rtb-083ec83a3848a56ea
Main
No
Explicit subnet associations
2 subnets
Edge associations
–
VPC
vpc-0c961cc15f84796f1 | my-vpc-01
Owner ID
664418957525
Routes
Subnet associations
Edge associations
Route propagation
Tags


Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
Last login: Fri May 9 07:36:36 2025 from 103.143.169.218
[ec2-user@ip-10-0-0-11 ~]$ ping google.com
PING google.com (192.178.155.138) 56(84) bytes of data.
64 bytes from yuiadrs-in-f138.1e100.net (192.178.155.138): icmp_seq=1 ttl=105 time=1.75 ms
64 bytes from yuiadrs-in-f138.1e100.net (192.178.155.138): icmp_seq=2 ttl=105 time=1.78 ms
64 bytes from yuiadrs-in-f138.1e100.net (192.178.155.138): icmp_seq=3 ttl=105 time=2.13 ms
64 bytes from yuiadrs-in-f138.1e100.net (192.178.155.138): icmp_seq=4 ttl=105 time=1.79 ms
64 bytes from yuiadrs-in-f138.1e100.net (192.178.155.138): icmp_seq=5 ttl=105 time=2.17 ms
64 bytes from yuiadrs-in-f138.1e100.net (192.178.155.138): icmp_seq=6 ttl=105 time=1.96 ms
^C
--- google.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5008ms
rtt min/avg/max/mdev = 1.746/1.927/2.165/0.170 ms
[ec2-user@ip-10-0-0-11 ~]$ ping 172.68.0.14
PING 172.68.0.14 (172.68.0.14) 56(84) bytes of data.
64 bytes from 172.68.0.14: icmp_seq=1 ttl=127 time=2.47 ms
64 bytes from 172.68.0.14: icmp_seq=2 ttl=127 time=0.909 ms
64 bytes from 172.68.0.14: icmp_seq=3 ttl=127 time=0.460 ms
64 bytes from 172.68.0.14: icmp_seq=4 ttl=127 time=0.382 ms
64 bytes from 172.68.0.14: icmp_seq=5 ttl=127 time=0.382 ms
64 bytes from 172.68.0.14: icmp_seq=6 ttl=127 time=0.483 ms
64 bytes from 172.68.0.14: icmp_seq=7 ttl=127 time=1.18 ms
64 bytes from 172.68.0.14: icmp_seq=8 ttl=127 time=0.468 ms
64 bytes from 172.68.0.14: icmp_seq=9 ttl=127 time=0.423 ms
64 bytes from 172.68.0.14: icmp_seq=10 ttl=127 time=0.695 ms
64 bytes from 172.68.0.14: icmp_seq=11 ttl=127 time=0.383 ms
64 bytes from 172.68.0.14: icmp_seq=12 ttl=127 time=0.502 ms
^C
--- 172.68.0.14 ping statistics ---


PING 3.239.125.192 (3.239.125.192) 56(84) bytes of data.
64 bytes from 3.239.125.192: icmp_seq=1 ttl=63 time=0.702 ms
64 bytes from 3.239.125.192: icmp_seq=2 ttl=63 time=0.737 ms
64 bytes from 3.239.125.192: icmp_seq=3 ttl=63 time=0.952 ms
64 bytes from 3.239.125.192: icmp_seq=4 ttl=63 time=1.26 ms
64 bytes from 3.239.125.192: icmp_seq=5 ttl=63 time=1.06 ms
64 bytes from 3.239.125.192: icmp_seq=6 ttl=63 time=0.988 ms
64 bytes from 3.239.125.192: icmp_seq=7 ttl=63 time=0.707 ms
64 bytes from 3.239.125.192: icmp_seq=8 ttl=63 time=0.711 ms
64 bytes from 3.239.125.192: icmp_seq=9 ttl=63 time=1.05 ms
64 bytes from 3.239.125.192: icmp_seq=10 ttl=63 time=0.748 ms
64 bytes from 3.239.125.192: icmp_seq=11 ttl=63 time=1.07 ms
64 bytes from 3.239.125.192: icmp_seq=12 ttl=63 time=0.750 ms
64 bytes from 3.239.125.192: icmp_seq=13 ttl=63 time=0.760 ms
64 bytes from 3.239.125.192: icmp_seq=14 ttl=63 time=0.715 ms
64 bytes from 3.239.125.192: icmp_seq=15 ttl=63 time=0.767 ms
64 bytes from 3.239.125.192: icmp_seq=16 ttl=63 time=0.916 ms
64 bytes from 3.239.125.192: icmp_seq=17 ttl=63 time=0.749 ms
64 bytes from 3.239.125.192: icmp_seq=18 ttl=63 time=1.14 ms
64 bytes from 3.239.125.192: icmp_seq=19 ttl=63 time=0.875 ms
64 bytes from 3.239.125.192: icmp_seq=20 ttl=63 time=0.820 ms
64 bytes from 3.239.125.192: icmp_seq=21 ttl=63 time=1.13 ms

4) Setup VPC Transist gateway.

Go to VPC Dashboard > Your VPCs

Create VPC A: CIDR block: 10.0.0.0/16

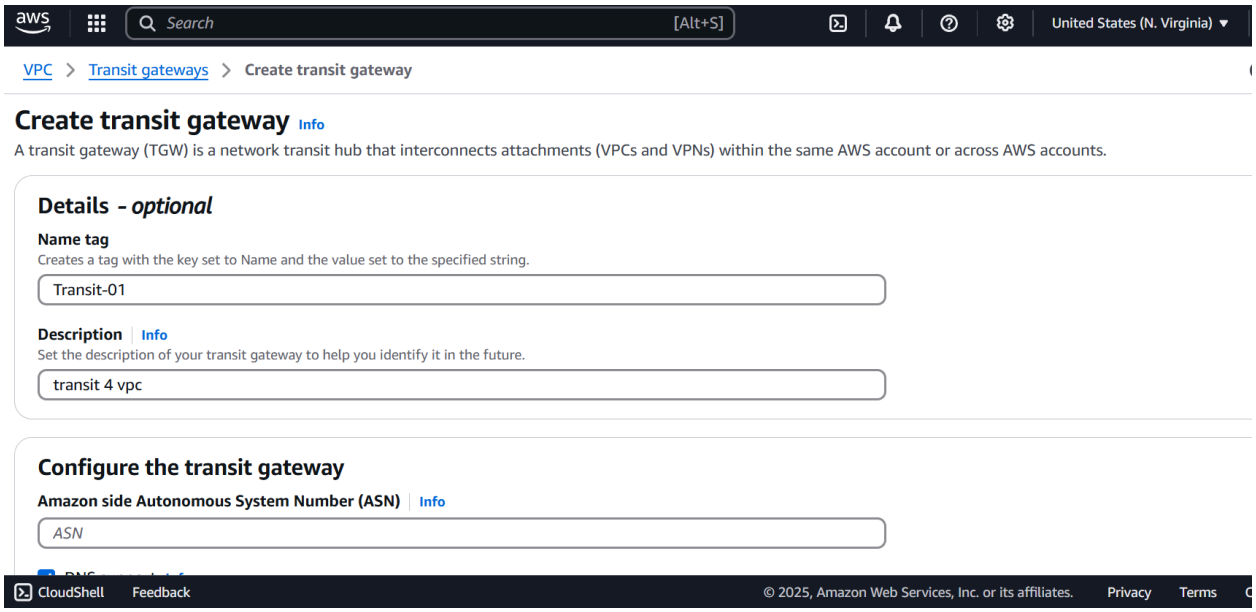
Create VPC B: CIDR block: 10.1.0.0/16

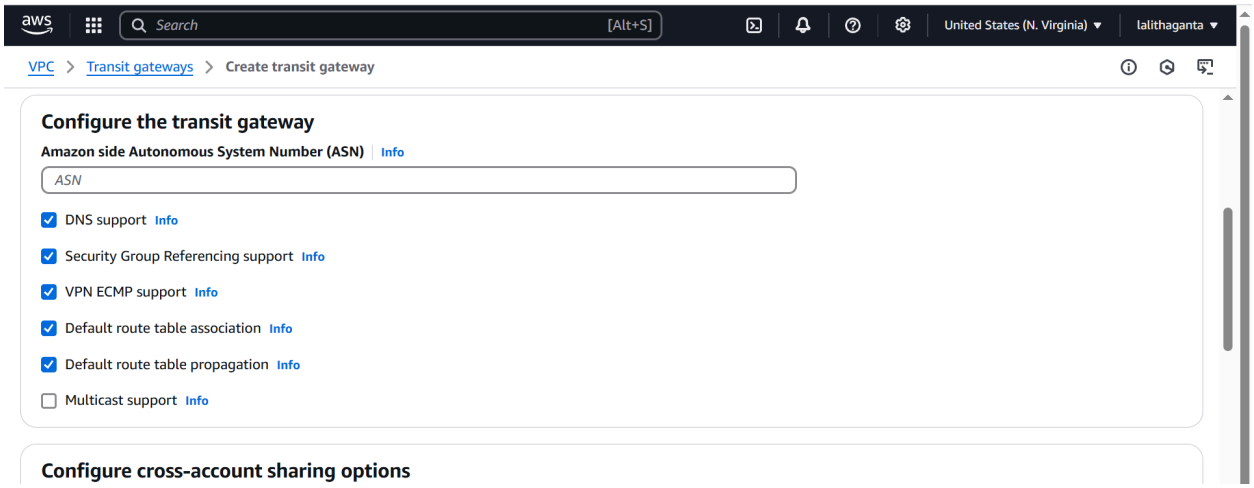
Add subnets, route tables, and IGWs as needed.

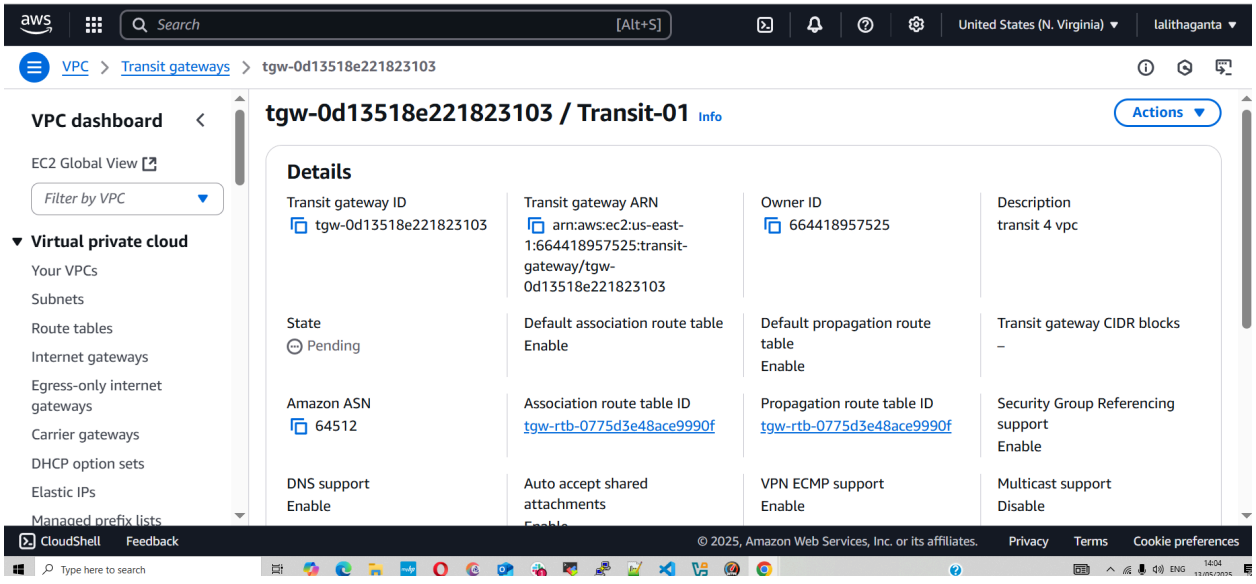
Create Transit Gateway (TGW) Go to VPC Dashboard > Transit Gateways

Click Create Transit Gateway Fill in:

Name: My-TGW Amazon ASN: leave default or set custom (e.g., 64512)




Search [Alt+S]
United States (N. Virginia)
lalithaganta
VPC > Transit gateways > Create transit gateway
Configure the transit gateway
Amazon side Autonomous System Number (ASN) Info
ASN
DNS support Info
Security Group Referencing support Info
VPN ECMP support Info
Default route table association Info
Default route table propagation Info
Multicast support Info
Configure cross-account sharing options


Search [Alt+S]
United States (N. Virginia)
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VPC > Transit gateways > tgw-0d13518e221823103
VPC dashboard
EC2 Global View
Filter by VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
tgw-0d13518e221823103 / Transit-01 Info
Actions
Details
Transit gateway ID
tgw-0d13518e221823103
Transit gateway ARN
arn:aws:ec2:us-east-1:664418957525:transit-gateway/tgw-0d13518e221823103
Owner ID
664418957525
Description
transit 4 vpc
State
Pending
Default association route table
Enable
Default propagation route table
Enable
Transit gateway CIDR blocks
–
Amazon ASN
64512
Association route table ID
tgw-rtb-0775d3e48ace9990f
Propagation route table ID
tgw-rtb-0775d3e48ace9990f
Security Group Referencing support
Enable
DNS support
Enable
Auto accept shared attachments
VPN ECMP support
Enable
Multicast support
Disable
CloudShell
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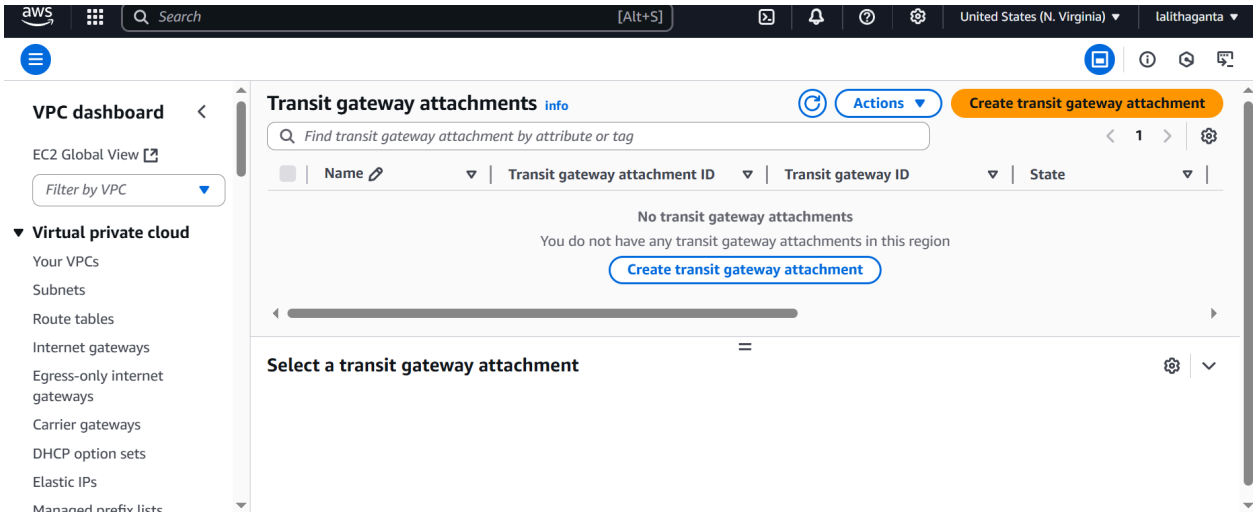
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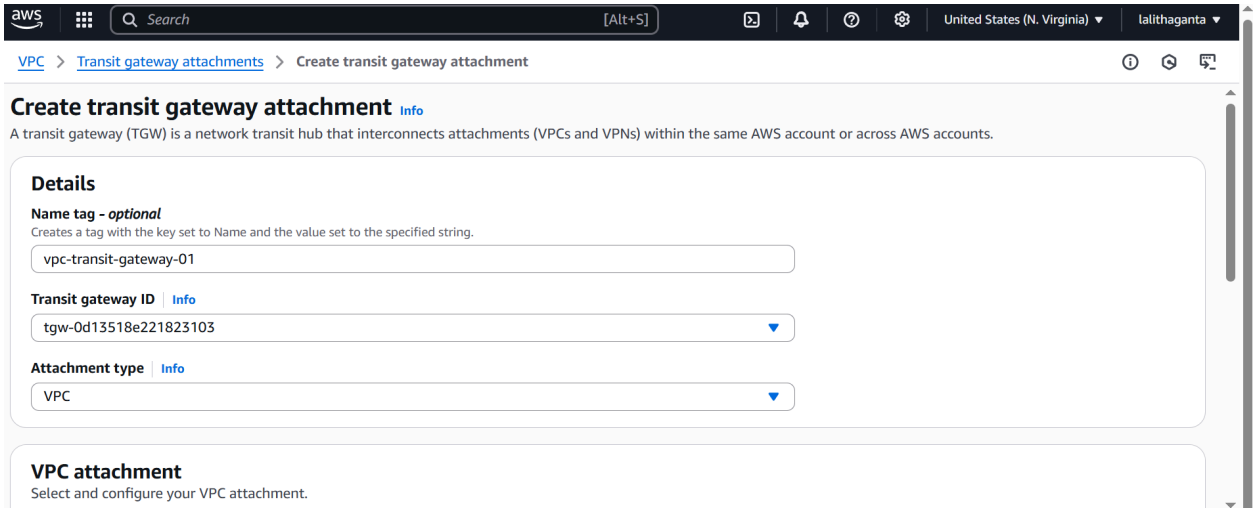
VPC dashboard
EC2 Global View
Filter by VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Transit gateway attachments info
Actions
Create transit gateway attachment
Find transit gateway attachment by attribute or tag
Name
Transit gateway attachment ID
Transit gateway ID
State
No transit gateway attachments
You do not have any transit gateway attachments in this region
Create transit gateway attachment
Select a transit gateway attachment


Search [Alt+S]
United States (N. Virginia)
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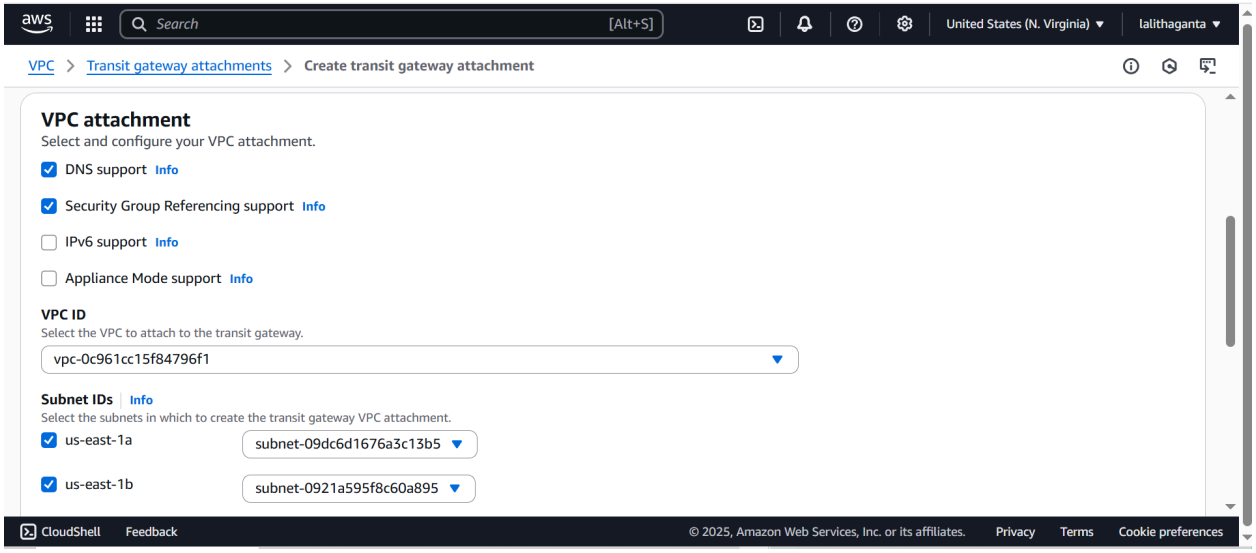
VPC > Transit gateway attachments > Create transit gateway attachment
Create transit gateway attachment Info
A transit gateway (TGW) is a network transit hub that interconnects attachments (VPCs and VPNs) within the same AWS account or across AWS accounts.
Details
Name tag - optional
Creates a tag with the key set to Name and the value set to the specified string.
vpc-transit-gateway-01
Transit gateway ID Info
tgw-0d13518e221823103
Attachment type Info
VPC
VPC attachment
Select and configure your VPC attachment.


Search [Alt+S]
United States (N. Virginia)
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VPC > Transit gateway attachments > Create transit gateway attachment
VPC attachment
Select and configure your VPC attachment.
DNS support Info
Security Group Referencing support Info
IPv6 support Info
Appliance Mode support Info
VPC ID
Select the VPC to attach to the transit gateway.
vpc-0c961cc15f84796f1
Subnet IDs Info
Select the subnets in which to create the transit gateway VPC attachment.
us-east-1a
subnet-09dc6d1676a3c13b5
us-east-1b
subnet-0921a595f8c60a895
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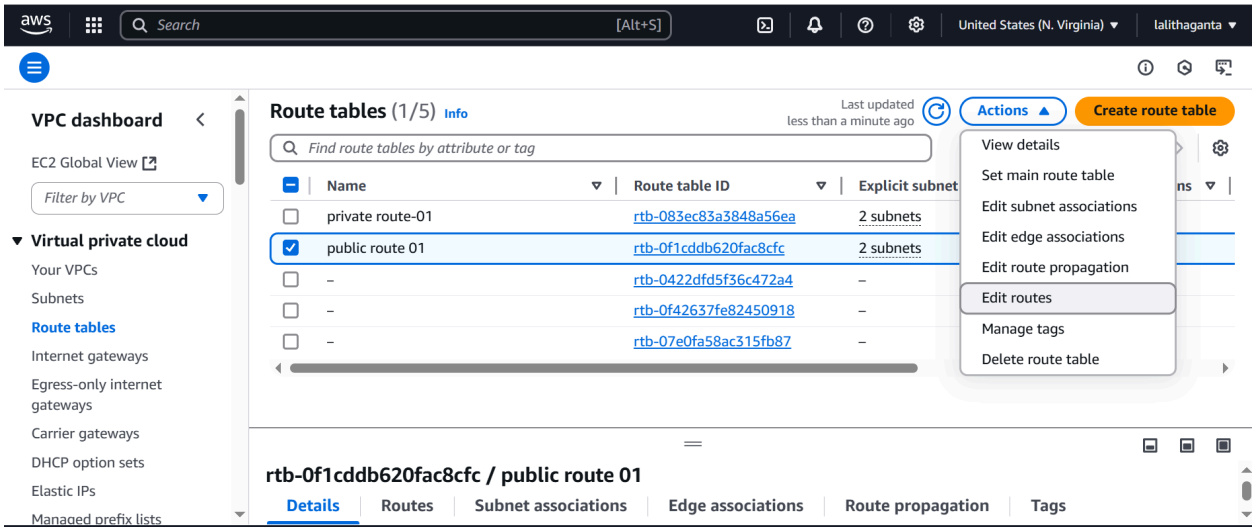
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
You successfully created VPC attachment tgw-attach-0a3d52cfdb11cfe2c / vpc-transit-gateway-01.
Transit gateway attachments (1) info
Actions
Create transit gateway attachment
Find transit gateway attachment by attribute or tag
Name
Transit gateway attachment ID
Transit gateway ID
State
vpc-transit-gateway-...
tgw-attach-0a3d52cfdb11cfe2c
tgw-0d13518e221823103
Pending
Select a transit gateway attachment


Search [Alt+S]
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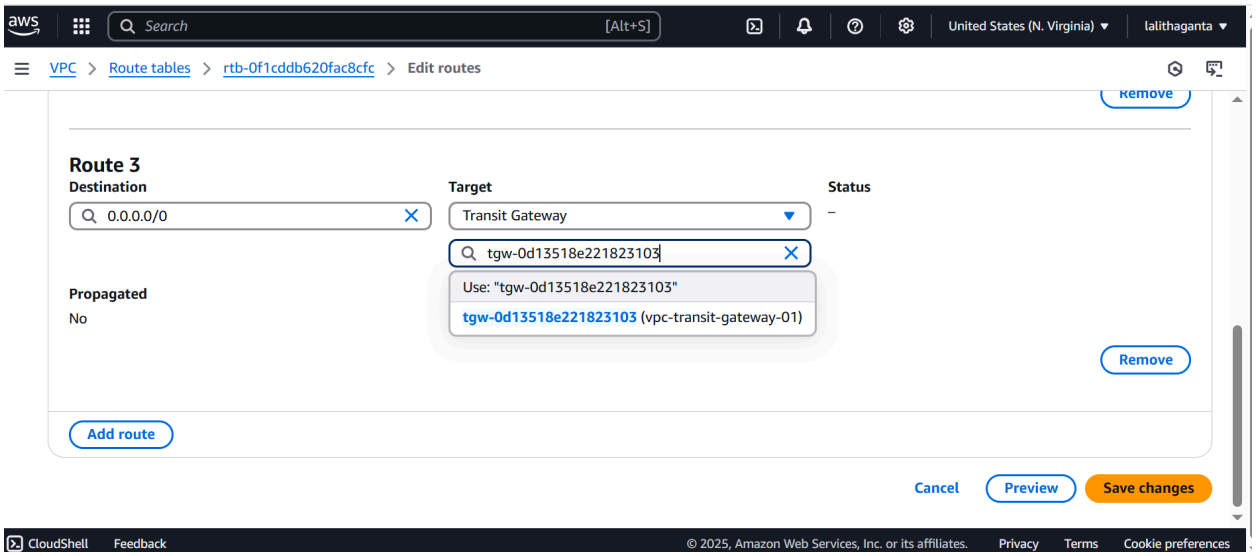
VPC dashboard
EC2 Global View
Filter by VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Route tables (1/5) Info
Last updated less than a minute ago
Actions
Create route table
Find route tables by attribute or tag
Name
Route table ID
Explicit subnet
private route-01
rtb-083ec83a3848a56ea
2 subnets
public route 01
rtb-0f1cddb620fac8cfc
2 subnets
rtb-0422dfd5f36c472a4
rtb-0f42637fe82450918
rtb-07e0fa58ac315fb87
View details
Set main route table
Edit subnet associations
Edit edge associations
Edit route propagation
Edit routes
Manage tags
Delete route table
rtb-0f1cddb620fac8cfc / public route 01
Details
Routes
Subnet associations
Edge associations
Route propagation
Tags


Search [Alt+S]
United States (N. Virginia)
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VPC > Route tables > rtb-0f1cddb620fac8cfc > Edit routes
Remove
Route 3
Destination
0.0.0.0/0
Target
Transit Gateway
tgw-0d13518e221823103
Use: "tgw-0d13518e221823103"
tgw-0d13518e221823103 (vpc-transit-gateway-01)
Status
–
Propagated
No
Remove
Add route
Cancel
Preview
Save changes
CloudShell
Feedback
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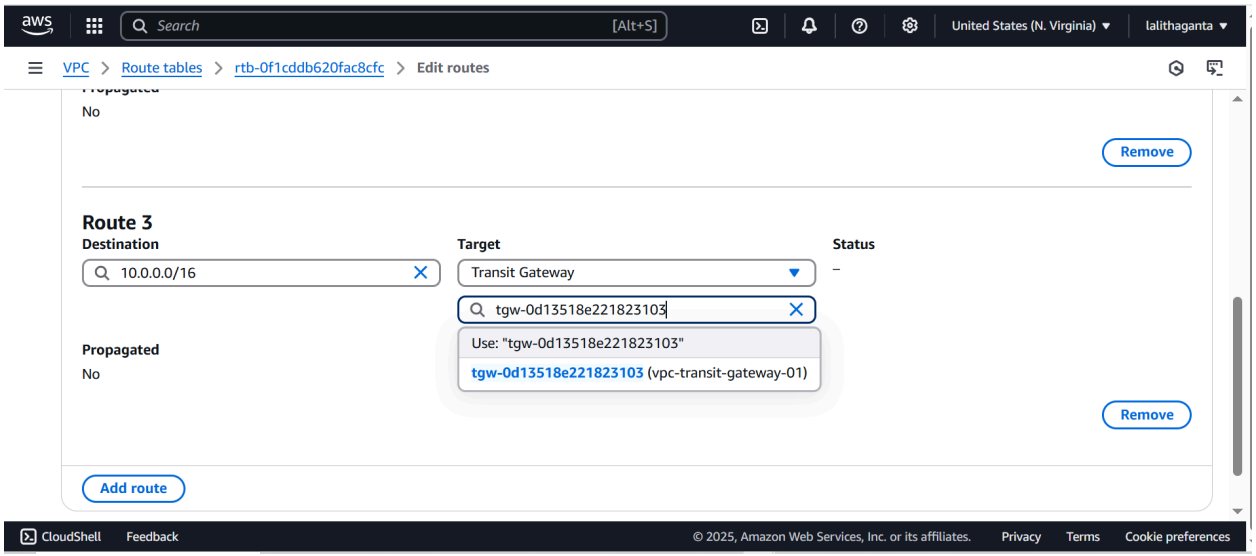
Search [Alt+S]
United States (N. Virginia)
lalithaganta
VPC > Route tables > rtb-0f1cddb620fac8cfc > Edit routes
No
Remove
Route 3
Destination
10.0.0.0/16
Target
Transit Gateway
tgw-0d13518e221823103
Use: "tgw-0d13518e221823103"
tgw-0d13518e221823103 (vpc-transit-gateway-01)
Status
–
Propagated
No
Remove
Add route
CloudShell
Feedback
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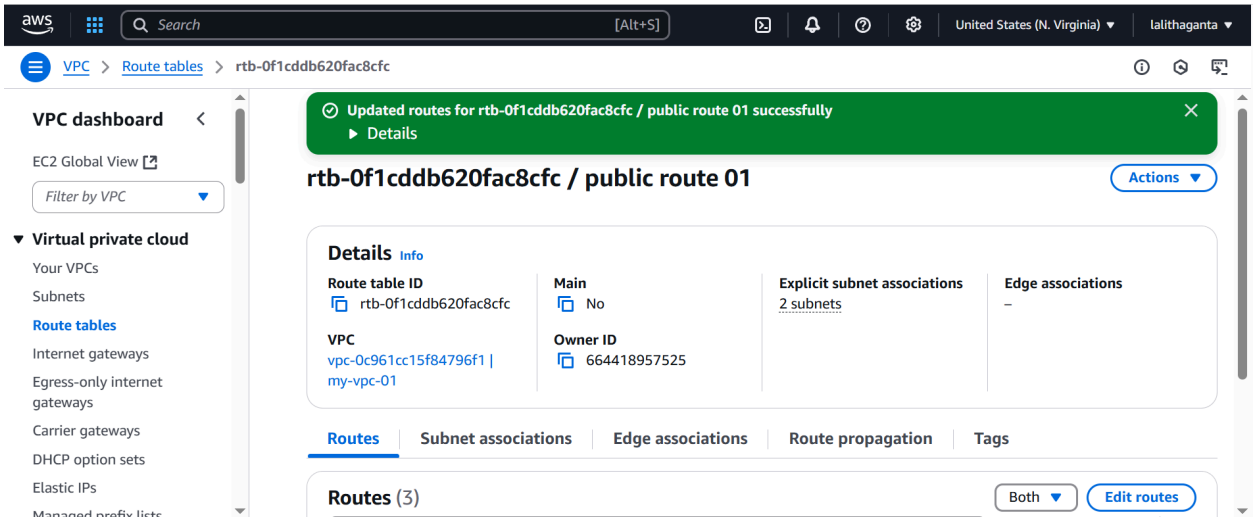
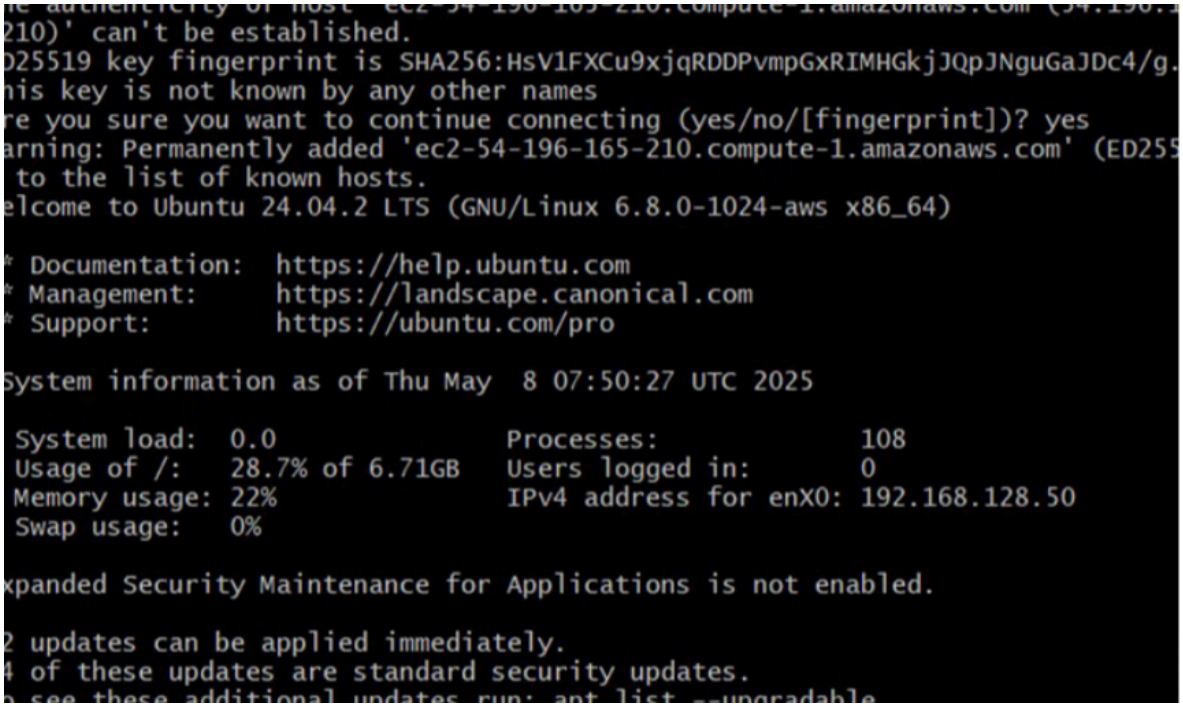




5) Setup VPC End Point.

Create Endpoint In the left panel, click Endpoints. Click "Create Endpoint" Configure Endpoint

Service Category: Select AWS services.

Search for s3 and choose com.amazonaws.<region>.s3

Example: com.amazonaws.us-east-1.s3 for N. Virginia

VPC: Choose your VPC.

Configure Route Tables

Select the route table(s) associated with your subnet(s).

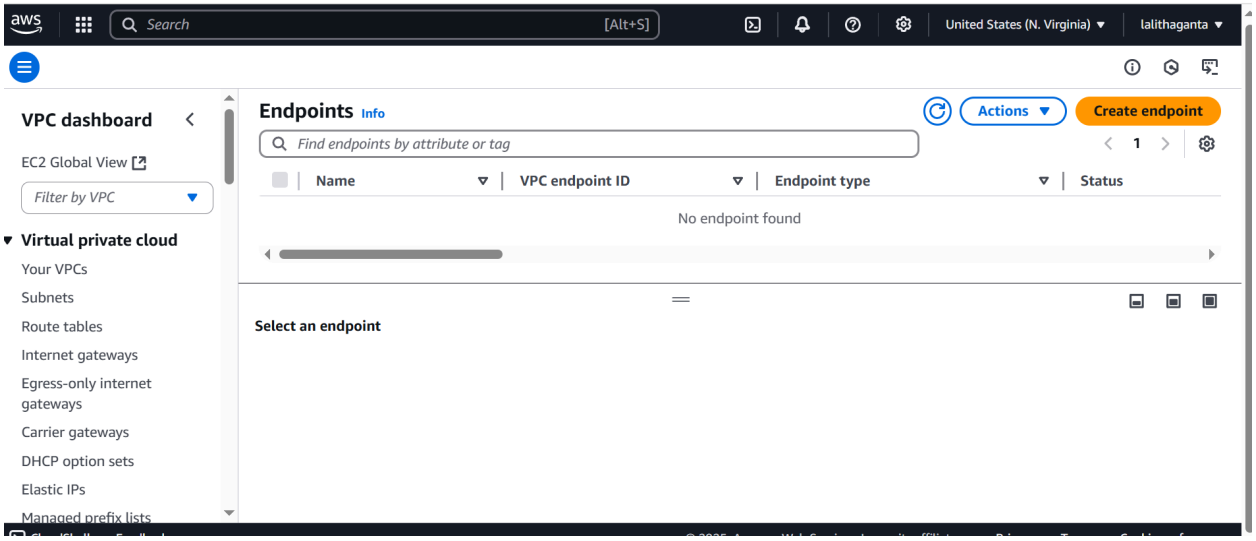
This allows traffic to route to the endpoint. Policy

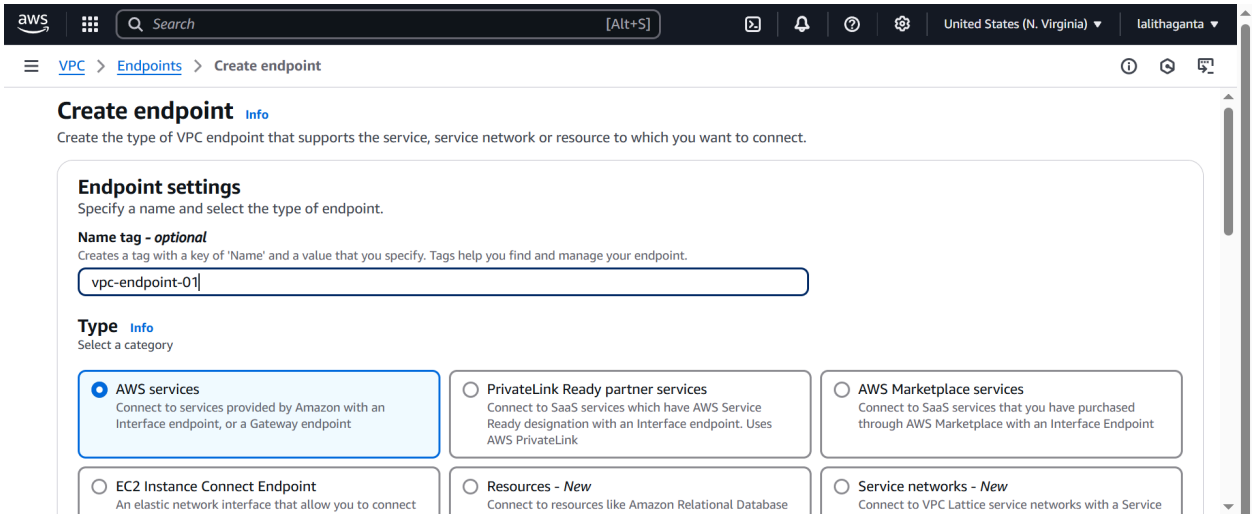
Choose "Full access" or custom policy depending on your security needs.

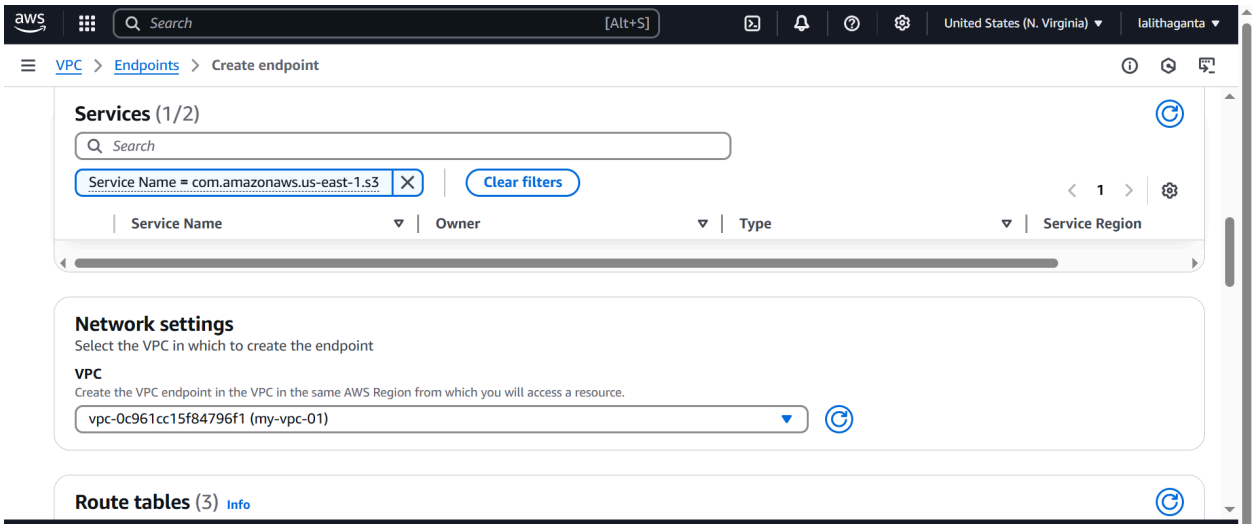
Name tag (Optional)

Give your endpoint a name like MyS3Endpoint.

Create Endpoint




Search [Alt+S]
United States (N. Virginia)
lalithaganta
VPC > Endpoints > Create endpoint
Create endpoint Info
Create the type of VPC endpoint that supports the service, service network or resource to which you want to connect.
Endpoint settings
Specify a name and select the type of endpoint.
Name tag - optional
Creates a tag with a key of 'Name' and a value that you specify. Tags help you find and manage your endpoint.
vpc-endpoint-01
Type Info
Select a category
AWS services
Connect to services provided by Amazon with an Interface endpoint, or a Gateway endpoint
PrivateLink Ready partner services
Connect to SaaS services which have AWS Service Ready designation with an Interface endpoint. Uses AWS PrivateLink
AWS Marketplace services
Connect to SaaS services that you have purchased through AWS Marketplace with an Interface Endpoint
EC2 Instance Connect Endpoint
An elastic network interface that allow you to connect
Resources - New
Connect to resources like Amazon Relational Database
Service networks - New
Connect to VPC Lattice service networks with a Service


Search [Alt+S]
United States (N. Virginia)
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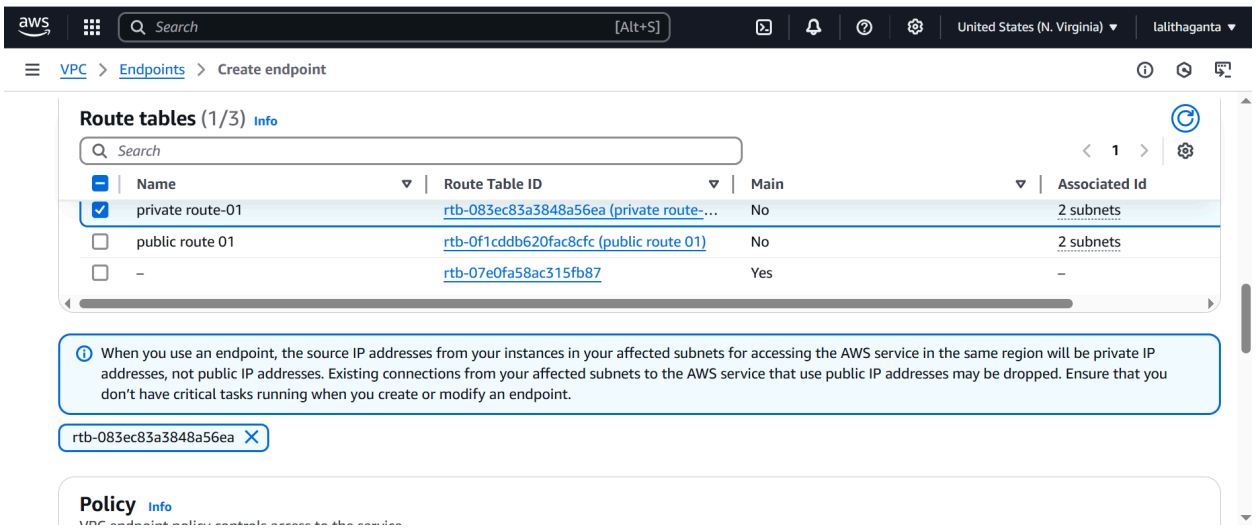
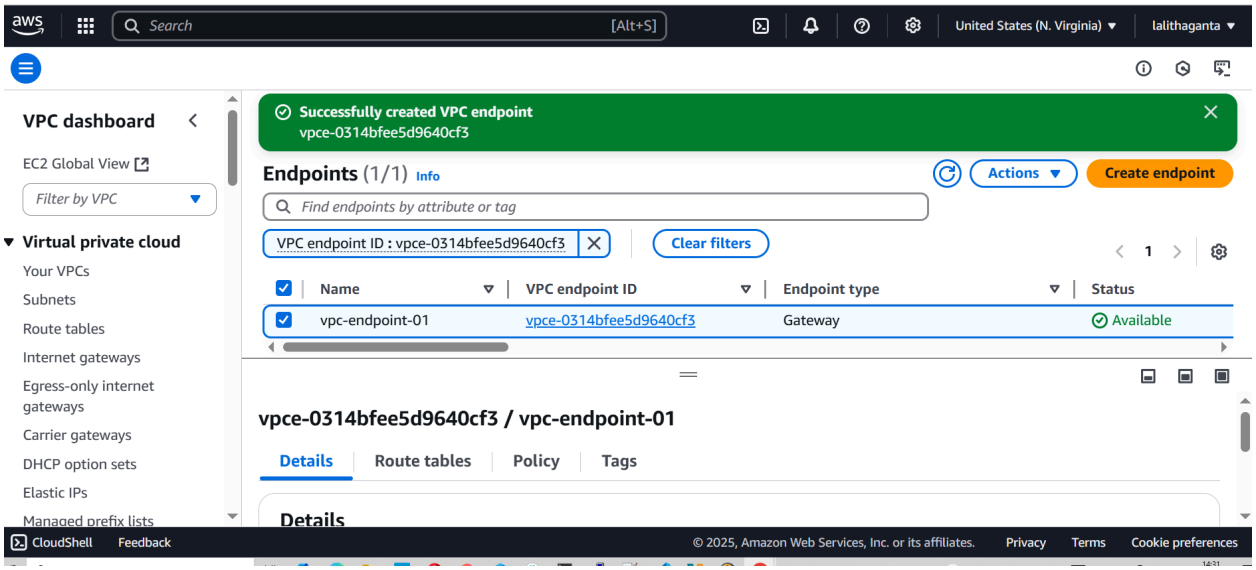
VPC > Endpoints > Create endpoint
Services (1/2)
Search
Service Name = com.amazonaws.us-east-1.s3
Clear filters
1
Service Name
Owner
Type
Service Region
Network settings
Select the VPC in which to create the endpoint
VPC
Create the VPC endpoint in the VPC in the same AWS Region from which you will access a resource.
vpc-0c961cc15f84796f1 (my-vpc-01)
Route tables (3) Info


Search [Alt+S]
United States (N. Virginia)
lalithaganta
VPC > Endpoints > Create endpoint
Route tables (1/3) Info
Search
1
Name
Route Table ID
Main
Associated Id
private route-01
rtb-083ec83a3848a56ea (private route-...
No
2 subnets
public route 01
rtb-0f1cddb620fac8cfc (public route 01)
No
2 subnets
–
rtb-07e0fa58ac315fb87
Yes
–
When you use an endpoint, the source IP addresses from your instances in your affected subnets for accessing the AWS service in the same region will be private IP addresses, not public IP addresses. Existing connections from your affected subnets to the AWS service that use public IP addresses may be dropped. Ensure that you don't have critical tasks running when you create or modify an endpoint.
rtb-083ec83a3848a56ea
Policy Info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VPC dashboard
EC2 Global View
Filter by VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Successfully created VPC endpoint
vpce-0314bfee5d9640cf3
Endpoints (1/1) Info
Actions
Create endpoint
Find endpoints by attribute or tag
VPC endpoint ID : vpce-0314bfee5d9640cf3
Clear filters
Name
VPC endpoint ID
Endpoint type
Status
vpc-endpoint-01
vpce-0314bfee5d9640cf3
Gateway
Available
vpce-0314bfee5d9640cf3 / vpc-endpoint-01
Details
Route tables
Policy
Tags
Details
CloudShell
Feedback
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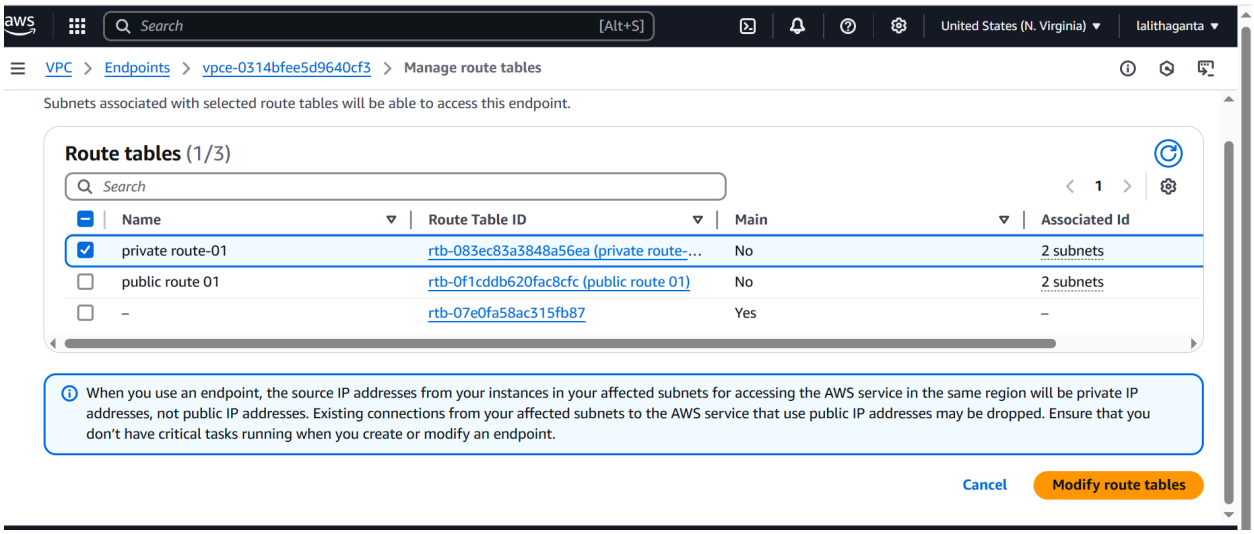
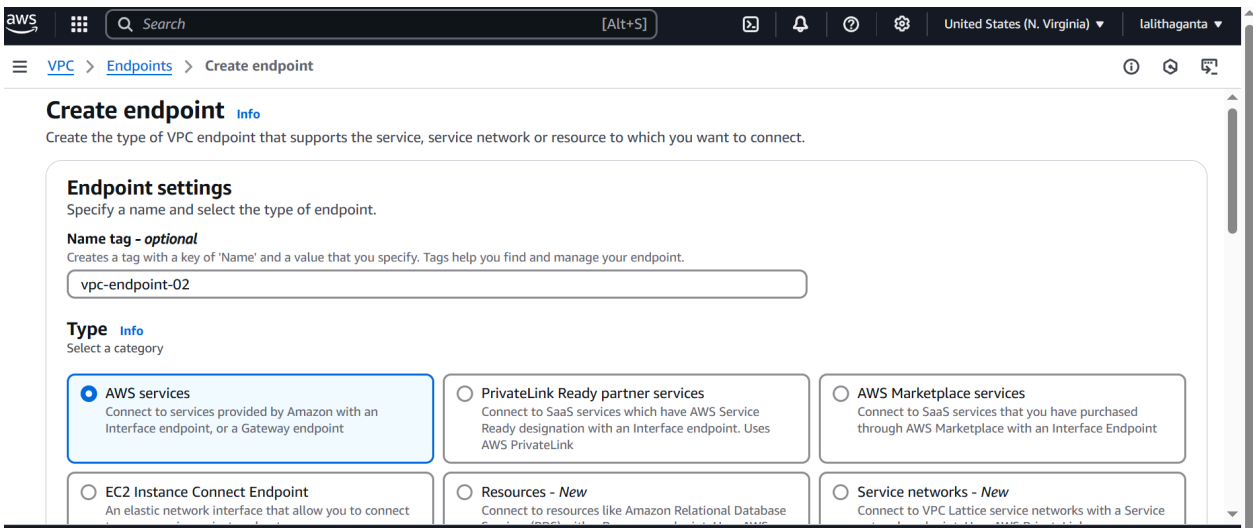
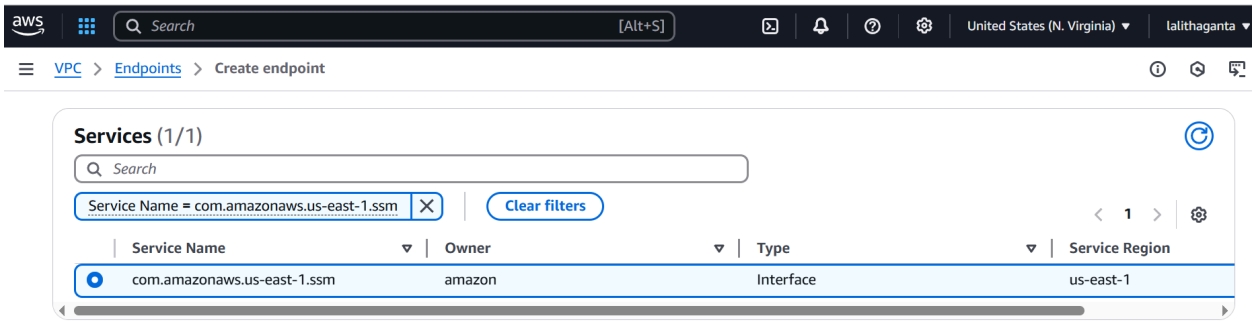

Search [Alt+S]
United States (N. Virginia)
lalithaganta
VPC > Endpoints > vpce-0314bfee5d9640cf3 > Manage route tables
Subnets associated with selected route tables will be able to access this endpoint.
Route tables (1/3)
Search
Name
Route Table ID
Main
Associated Id
private route-01
rtb-083ec83a3848a56ea (private route-...
No
2 subnets
public route 01
rtb-0f1cddb620fac8cfc (public route 01)
No
2 subnets
–
rtb-07e0fa58ac315fb87
Yes
–
When you use an endpoint, the source IP addresses from your instances in your affected subnets for accessing the AWS service in the same region will be private IP addresses, not public IP addresses. Existing connections from your affected subnets to the AWS service that use public IP addresses may be dropped. Ensure that you don't have critical tasks running when you create or modify an endpoint.
Cancel
Modify route tables


Search [Alt+S]
United States (N. Virginia)
lalithaganta
VPC > Endpoints > Create endpoint
Create endpoint Info
Create the type of VPC endpoint that supports the service, service network or resource to which you want to connect.
Endpoint settings
Specify a name and select the type of endpoint.
Name tag - optional
Creates a tag with a key of 'Name' and a value that you specify. Tags help you find and manage your endpoint.
vpc-endpoint-02
Type Info
Select a category
AWS services
Connect to services provided by Amazon with an Interface endpoint, or a Gateway endpoint
PrivateLink Ready partner services
Connect to SaaS services which have AWS Service Ready designation with an Interface endpoint. Uses AWS PrivateLink
AWS Marketplace services
Connect to SaaS services that you have purchased through AWS Marketplace with an Interface Endpoint
EC2 Instance Connect Endpoint
An elastic network interface that allow you to connect
Resources - New
Connect to resources like Amazon Relational Database
Service networks - New
Connect to VPC Lattice service networks with a Service


aws
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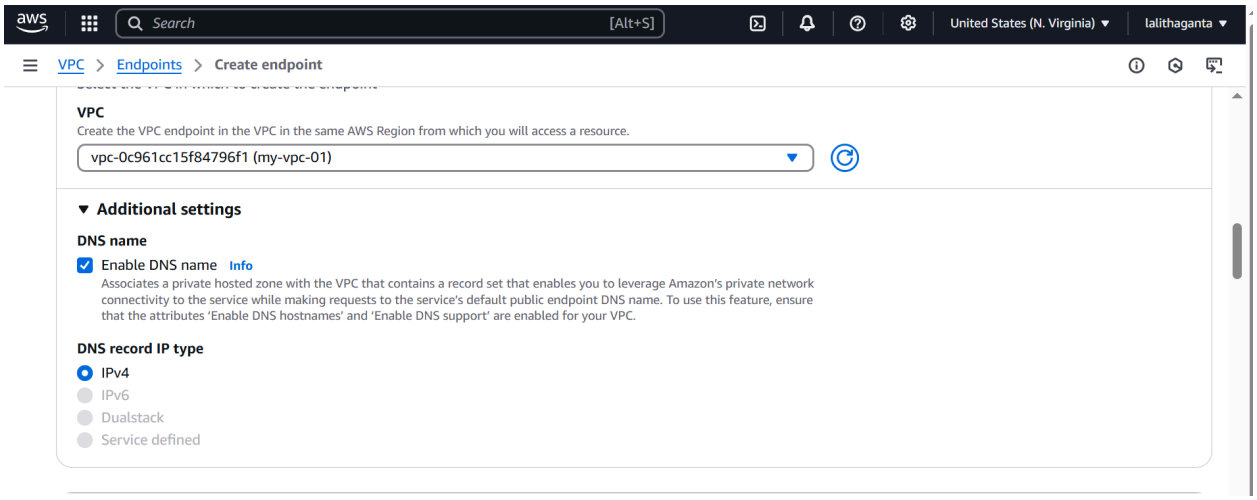
VPC > Endpoints > Create endpoint
Services (1/1)
Search
Service Name = com.amazonaws.us-east-1.ssm
Clear filters
1
Service Name
Owner
Type
Service Region
com.amazonaws.us-east-1.ssm
amazon
Interface
us-east-1
Network settings
Select the VPC in which to create the endpoint
VPC
Create the VPC endpoint in the VPC in the same AWS Region from which you will access a resource.
Select a VPC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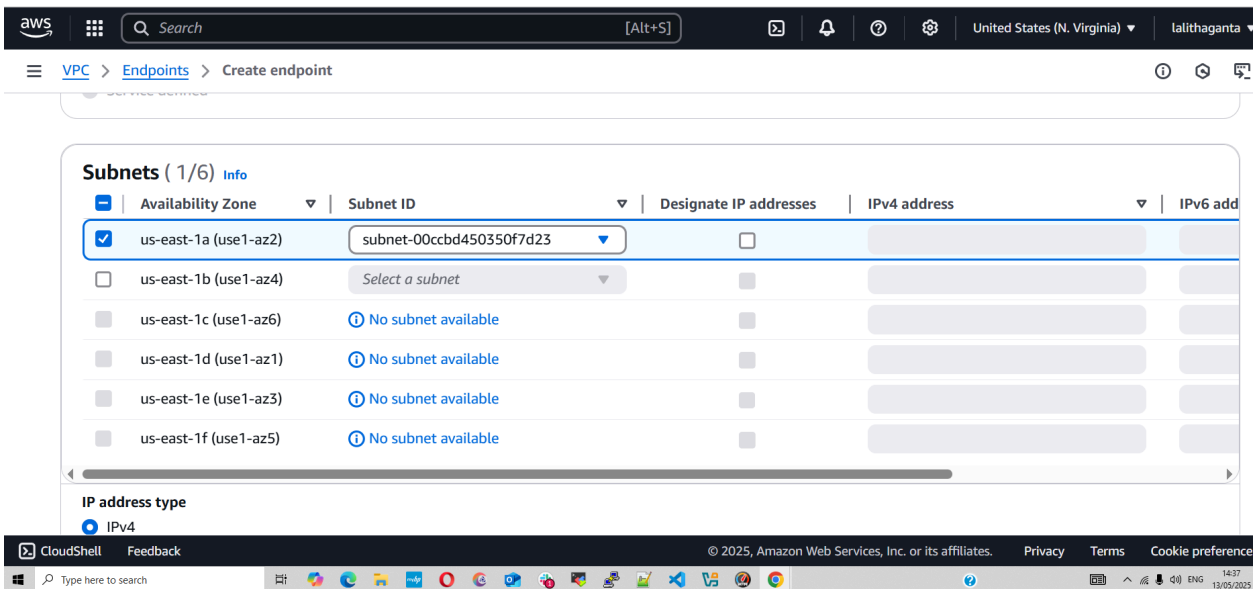
VPC > Endpoints > Create endpoint
VPC
Create the VPC endpoint in the VPC in the same AWS Region from which you will access a resource.
vpc-0c961cc15f84796f1 (my-vpc-01)
Additional settings
DNS name
Enable DNS name Info
Associates a private hosted zone with the VPC that contains a record set that enables you to leverage Amazon's private network connectivity to the service while making requests to the service's default public endpoint DNS name. To use this feature, ensure that the attributes 'Enable DNS hostnames' and 'Enable DNS support' are enabled for your VPC.
DNS record IP type
IPv4
IPv6
Dualstack
Service defined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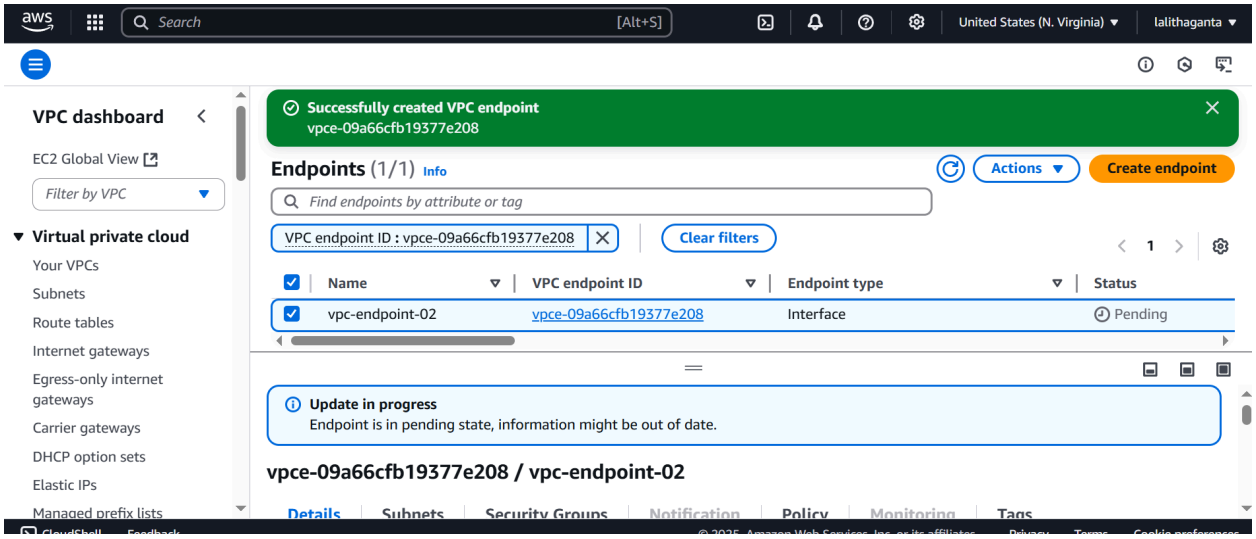
VPC > Endpoints > Create endpoint
Subnets (1/6) Info
Availability Zone
Subnet ID
Designate IP addresses
IPv4 address
IPv6 add
us-east-1a (use1-az2)
subnet-00ccbd450350f7d23
us-east-1b (use1-az4)
Select a subnet
us-east-1c (use1-az6)
No subnet available
us-east-1d (use1-az1)
No subnet available
us-east-1e (use1-az3)
No subnet available
us-east-1f (use1-az5)
No subnet available
IP address type
IPv4
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preference
Type here to search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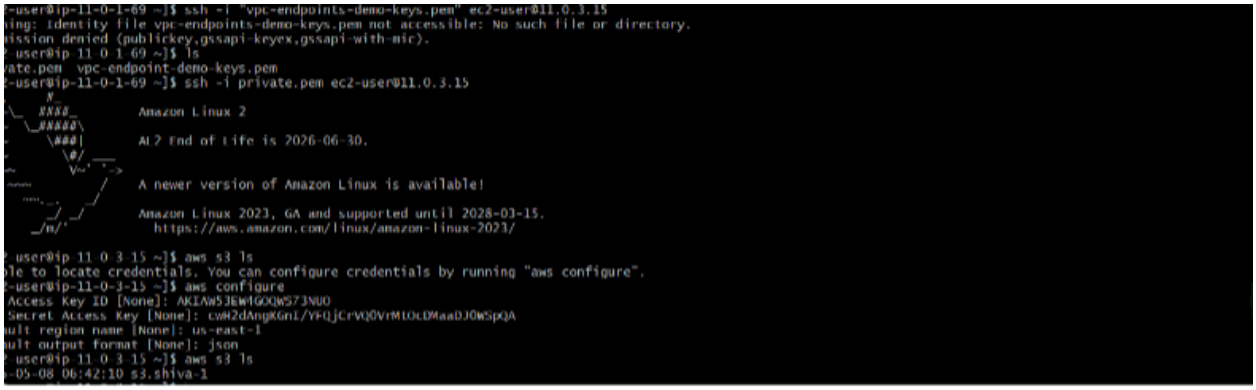
VPC dashboard
EC2 Global View
Filter by VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Successfully created VPC endpoint
vpce-09a66cfb19377e208
Endpoints (1/1) Info
Actions
Create endpoint
Find endpoints by attribute or tag
VPC endpoint ID : vpce-09a66cfb19377e208
Clear filters
Name
VPC endpoint ID
Endpoint type
Status
vpc-endpoint-02
vpce-09a66cfb19377e208
Interface
Pending
Update in progress
Endpoint is in pending state, information might be out of date.
vpce-09a66cfb19377e208 / vpc-endpoint-02
Details
Subnets
Security Groups
Notification
Policy
Monitoring
Tags


ssh -i "vpc-endpoints-demo-keys.pem" ec2-user@11.0.3.15
Identity file vpc-endpoints-demo-keys.pem not accessible: No such file or directory.
Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
ls
private.pem vpc-endpoint-demo-keys.pem
ssh -i private.pem ec2-user@11.0.3.15
Amazon Linux 2
AL2 End of Life is 2026-06-30.
A newer version of Amazon Linux is available!
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/
aws s3 ls
Unable to locate credentials. You can configure credentials by running "aws configure".
aws configure
AWS Access Key ID [None]: AKIAW5JEW4GOQWS73NUO
AWS Secret Access Key [None]: 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
Default region name [None]: us-east-1
Default output format [None]: json
aws s3 ls
2025-05-08 06:42:10 ss.shiva-1