

Module 5: VPC Peering Assignment

Problem Statement:

Working for an organization, you are required to provide them a safe and secure environment for the deployment of their resources. They might require different types of connectivity. Implement the following to fulfill the requirements of the company.

Tasks To Be Performed:

1. Create 2 VPCs in the North Virginia region named MYVPC1 and MYVPC2
2. Create one VPC in the Oregon region named VPCOregon1
3. Create a peering connection between MYVPC1 and MYVPC2
4. Create a peering connection between MYVPC2 and VPCOregon1

1. Create VPC with Name as MYVPC1

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.

MYVPC1

IPv4 CIDR block Info

☒ IPv4 CIDR manual input ☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR

10.0.0.0/16

CIDR block size must be between /16 and /28.

2. Now Create Another VPC

Your VPCs (2) <small>Info</small>						
<input type="text" value="Search"/>						
<input type="checkbox"/>	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	
<input type="checkbox"/>	-	vpc-052c6fc0932543ae9	Available	172.31.0.0/16	-	
<input type="checkbox"/>	MYVPC1	vpc-0c35748d975409601	Available	10.0.0.0/16	-	

3. Name As MYVPC2

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.

MYVPC2

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

IPv4 CIDR
20.0.0.0/16
CIDR block size must be between /16 and /28.

IPv6 CIDR block [Info](#)
☒ No IPv6 CIDR block
☐ IPAM-allocated IPv6 CIDR block

4. Successfully Created 2 VPC's in N.Virginia as Per the Assignment

aws Services Search [Alt+S] N. Virginia Salman S

You successfully created vpc-0a98bbdec83f6f4fd / MYVPC2

Your VPCs (3) Info

Filter by VPC: Select a VPC

	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	-	vpc-052c6fc0932543ae9	Available	172.31.0.0/16	-
<input type="checkbox"/>	MYVPC1	vpc-0c35748d975409601	Available	10.0.0.0/16	-
<input type="checkbox"/>	MYVPC2	vpc-0a98bbdec83f6f4fd	Available	20.0.0.0/16	-

5. Now Go to Oregon and Create one VPC and Name it as VPCOregon1

aws Services Search [Alt+S] Oregon Salman S

You successfully created vpc-03be9a441e1c1c8cd / VPCOregon1

Your VPCs (2) Info

Filter by VPC: Select a VPC

	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	-	vpc-07dd934b89177e5b6	Available	172.31.0.0/16	-
<input type="checkbox"/>	VPCOregon1	vpc-03be9a441e1c1c8cd	Available	30.0.0.0/16	-

6. Now Go to N.Virginia and Click Create Peering Connection

Managed prefixes

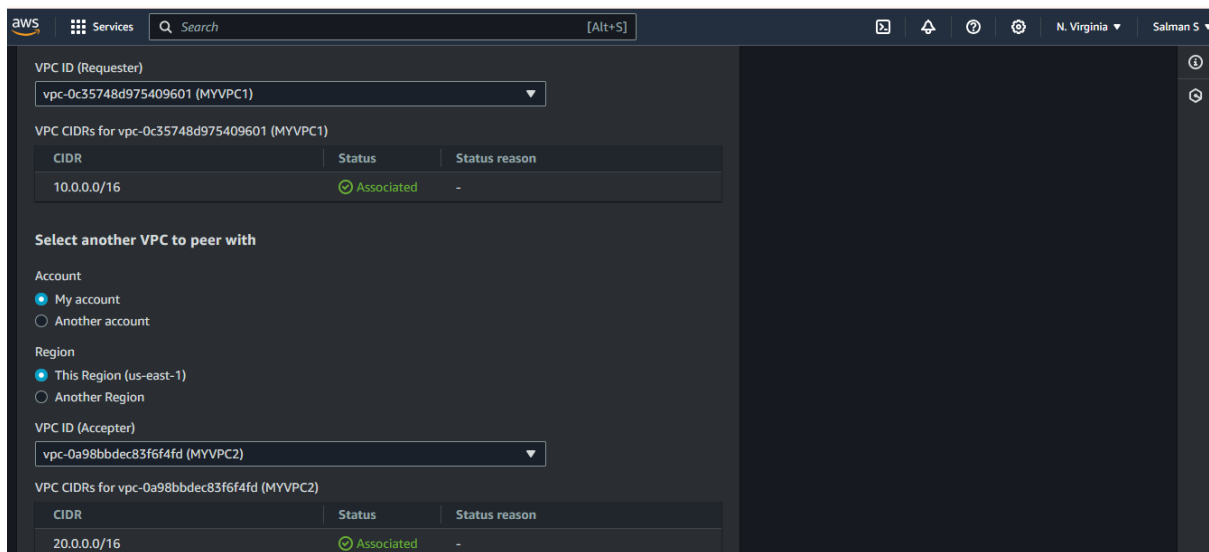
Endpoints
Endpoint services
NAT gateways
Peering connections

Peering connections Info

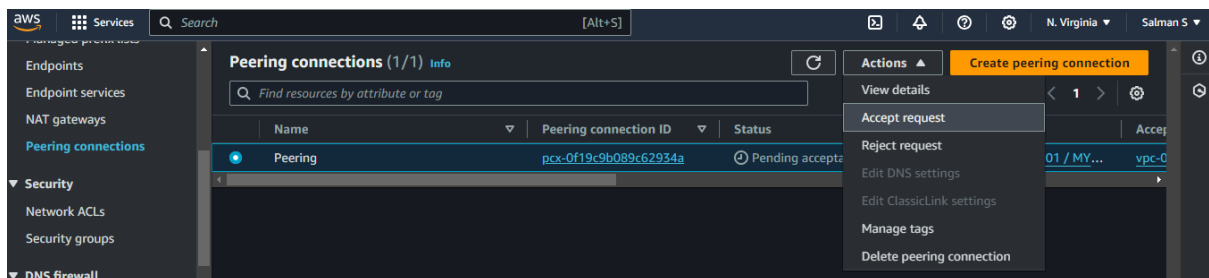
Find resources by attribute or tag

Name	Peering connection ID	Status	Requester VPC	Accepter VPC
No peering connection found				

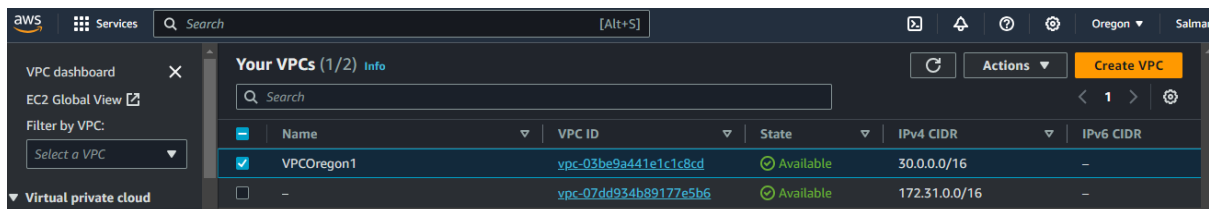
7. Select VPC ID as a MYVPC1 and Select Accepter as MYVPC2



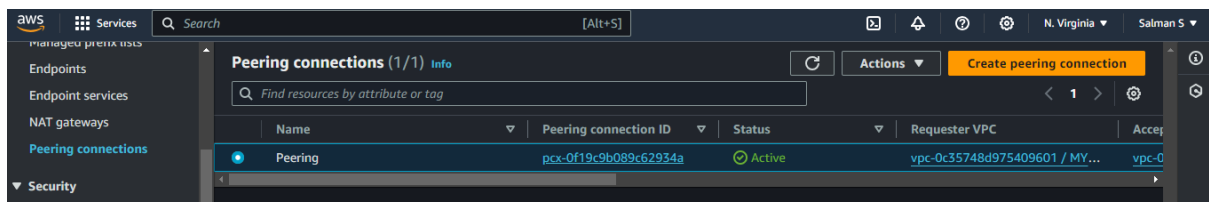
8. Again Go to Peering Connection and go actions and Click Accept Request



9. And Go to Oregon Region Copy VPC ID of VPCOregon1



10. Create Peering Connection



11. Select **Requester As a MYVPC2** as per the Assignment and Select **Different Region Now** and **Paste the VPC ID** Here and Create It

Peering connection settings

Name - optional
Create a tag with a key of 'Name' and a value that you specify.
Peering1

Select a local VPC to peer with

VPC ID (Requester)
vpc-0a98bbdec83f6f4fd (MYVPC2)

VPC CIDRs for vpc-0a98bbdec83f6f4fd (MYVPC2)

CIDR	Status	Status reason
20.0.0.0/16	Associated	-

Select another VPC to peer with

Account
☒ My account
☐ Another account

Region
☐ This Region (us-east-1)
☒ Another Region
US West (Oregon) (us-west-2)

VPC ID (Acceptor)
vpc-03be9a441e1c1c8cd

12. Go to Oregon Region and go to Peering Connection and Actions > Accept Request

Peering connections (1/1) Info

Find resources by attribute or tag

Name	Peering connection ID	Status
-	pcx-044c428648bfaf24d	Pending acceptance

Actions

- View details
- Accept request
- Reject request
- Edit DNS settings
- Edit ClassicLink settings
- Manage tags

13. Successfully Peered the Connections

✔ Your VPC peering connection (pcx-044c428648bfaf24d) 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. [Modify my route tables now](#)

Peering connections (1) Info

Find resources by attribute or tag

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC
-	pcx-044c428648bfaf24d	Active	vpc-0a98bbdec83f6f4fd	vpc-03be9a441e1c1c8cd

Thank You