



Module 6 – VPC Peering



VPC PEERING.

VPC Peering refers to the connection between two Virtual Private Clouds (VPCs) that allows them to communicate with each other securely using private IP addresses. VPC Peering enables resources within one VPC to access resources in another VPC as if they were within the same network.

VPC Peering can be established between VPCs in the same AWS region or different regions, as well as between VPCs owned by different AWS accounts. This flexibility allows for a wide range of network architectures.

Steps for creating VPC Peering.

1. Launch EC2 instance in two different VPC.
2. SSH to both the EC2 instance and check if we can ping each other or not.
3. Click on Create Peering connection.
4. Put the name for Peering and select the VPC that needs to be paired.

[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.

my-pc-01

Select a local VPC to peer with

VPC ID (Requester)

Select a VPC

Select another VPC to peer with

Account

☒ My account

☐ Another account

Region

☒ This Region (us-east-1)

☐ Another Region

VPC ID (Accepter)

Select a VPC

Tags

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.

No tags associated with the resource.

Add new tag

You can add 50 more tags.

5. Now we have to accept the peering request so go to Action and click on Accept peering.
6. We can see status is active that means pairing is completed.
7. Click on Edit routes and add new routes for VPC peering.

VPC > Route tables > rtb-020383bc1f0d2992e > Edit routes

Edit routes

Destination	Target	Status	Propagated
10.230.255.0/24	local	Active	No
<input type="text" value="0.0.0.0/0"/>	<input type="text" value="local"/>		
<input type="text" value="0.0.0.0/0"/>	Internet Gateway	Active	No
	<input type="text" value="pci-03aebfa346aee3c0"/>		<input type="button" value="Remove"/>
<input type="text" value="10.230.0.0/16"/>	Peering Connection	-	No
	<input type="text" value="pci-03aebfa346aee3c0"/>		<input type="button" value="Remove"/>
<input type="button" value="Add route"/>			

8. Now let's try to ping the instance.