Name: Harish Aeyya

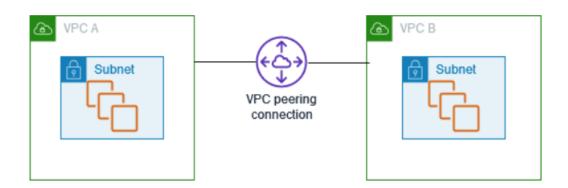
Batch:119(7am)

Email: harishaeyya@gmail.com

What is VPC peering?

A virtual private cloud (VPC) is a virtual network dedicated to your AWS account. It is logically isolated from other virtual networks in the AWS Cloud. You can launch AWS resources, such as Amazon EC2 instances, into your VPC.

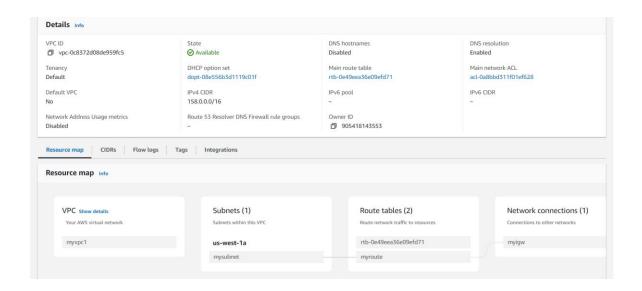
A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them using private IPv4 addresses or IPv6 addresses. Instances in either VPC can communicate with each other as if they are within the same network. You can create a VPC peering connection between your own VPCs, or with a VPC in another AWS account. The VPCs can be in different Regions (also known as an inter-Region VPC peering connection).



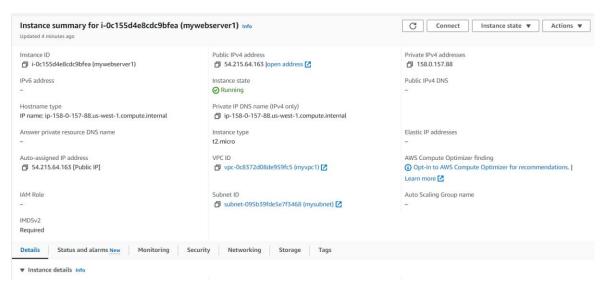
vpc peering connections b/w two different regions:

Create a vpc one region:

1.Create a VPC(myvpc1) in the california region with the following connections attached to the subnet, internet gateway, route tables.



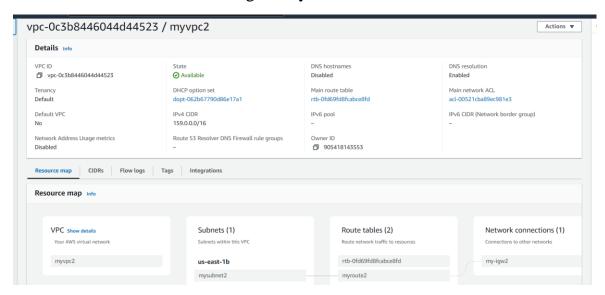
2.Create an EC2 instance(mywebserver1) in the same region by attaching the AMI, Key Pair and network setting.



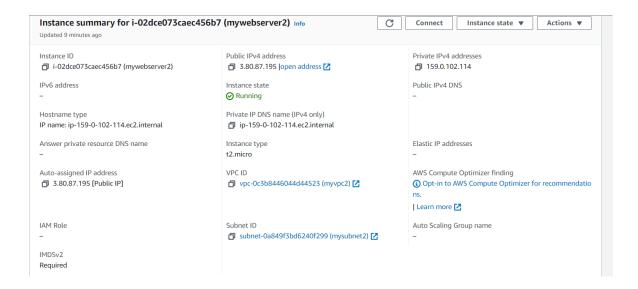
3.Launch the instance(mywebserver1) and connect to the WEB.

Create a vpc another region:

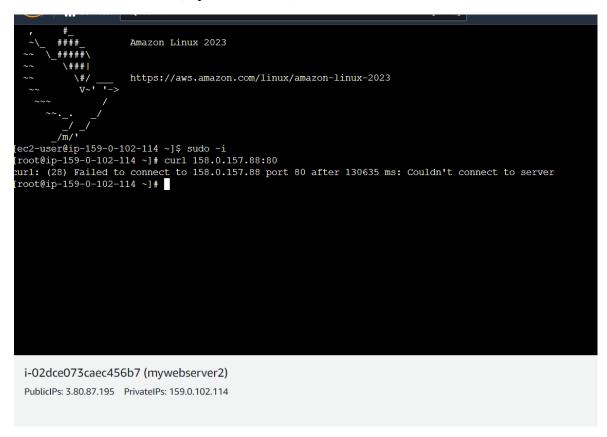
1.Create a VPC(myvpc2) in the varginia region with the following connections attached to the subnet, internet gateway, route tables.



2.Create an EC2 instance(mywebserver2) in the same region by attaching the AMI, Key Pair and network setting.

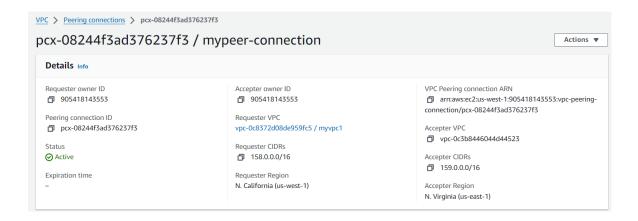


3.Launch the instance(mywebserver2) and connect to the WEB.



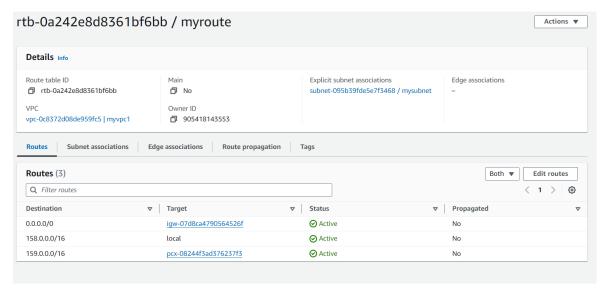
Create a VPC peering connection:

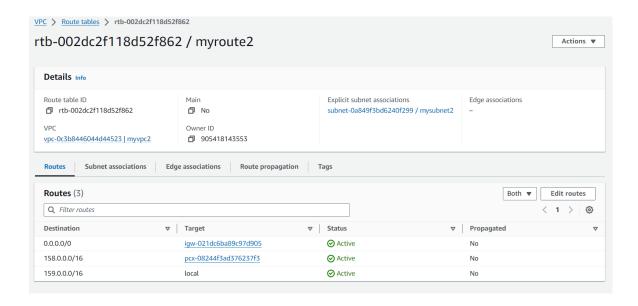
To create a VPC peering connection, first create a request to peer with another VPC. You can request a VPC peering connection with another VPC in your account, or with a VPC in a different AWS account. For an inter-Region VPC peering connection where the VPCs are in different Regions, the request must be made from the Region of the requester VPC.



Update your route tables for a VPC peering connections in two different regions.

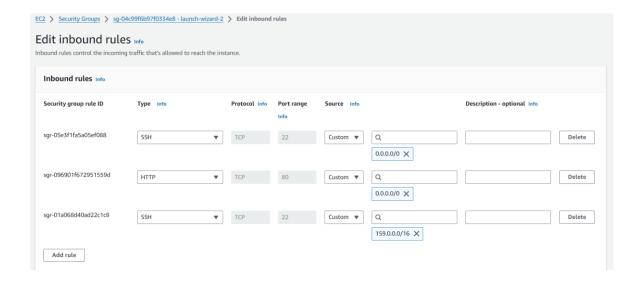
To add an IPv4 route for a VPC peering connection.



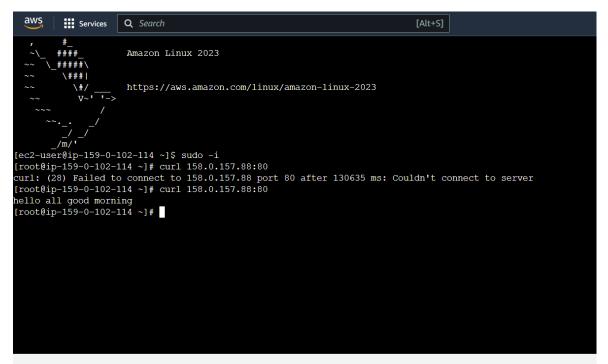


Update your security groups

To update your security group rules using the console



To ensure that queries from the peer VPC resolve to private IP addresses in your local VPC, choose the option to enable DNS resolution for queries from the peer VPC. This option is Requester DNS resolution or Accepter DNS resolution, depending on whether the VPC is the requester or accepter VPC.



i-02dce073caec456b7 (mywebserver2)

PublicIPs: 3.80.87.195 PrivateIPs: 159.0.102.114