

Exercise4

VPC Peering

1. Login to your IAM user
2. This exercise is an extension of Exercise2 (reinstate the setup).
3. Right click on “your VPC” and open link in new tab. Choose a different region (than the previous one) [Region2] and Create VPC-B , CIDR: 10.200.0.0/16
 - a. create private subnet, CIDR: 10.200.0.0/24
 - b. create private route table, associate it with the subnet
 - c. launch an ec2 instance, ec2-c (create a new key pair as they are regional)
 - d. sg: type ssh: src 10.100.0.0/16
type all icmp – IPv4: src 10.100.0.0/16
4. Create peering connection
 - a. Copy the ID of VPC-B (from details)
 - b. go to the first vpc, from the left panel, click peering connections, create peering connection
 - c. Give any name, requester: the current VPC, my account, another region: choose the region, paste the VPC ID; create peering connection; pending acceptance state
 - d. (go to) peering connection; change to Region2; accept the connection
 - e. edit route tables at both sides: add dest 10.100.0.0/16; target vpc endpoint | dest 10.100.0.0/16; target vpc endpoint
5. ping ec2-c from the private ec2 of exercise2 over ssh
6. Upload the screenshots that show the following:
 - a. Your IAM user name
 - b. EC2 welcome page that has the following:
 - i. ssh: public EC2 to private EC2 connection (ssh)
 - ii. ping: private EC2 (from first VPC) to private EC2 (second VPC)
 - c. Peering connection acceptance
 - d. Private routing tables in both the VPCs
7. **Terminate all the EC2 instances and the peering connection**

Sources:

<https://www.awswithchetan.com/>