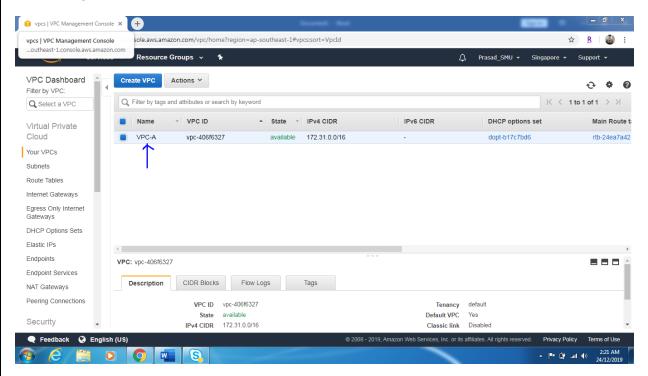
SMU ID: 48101187

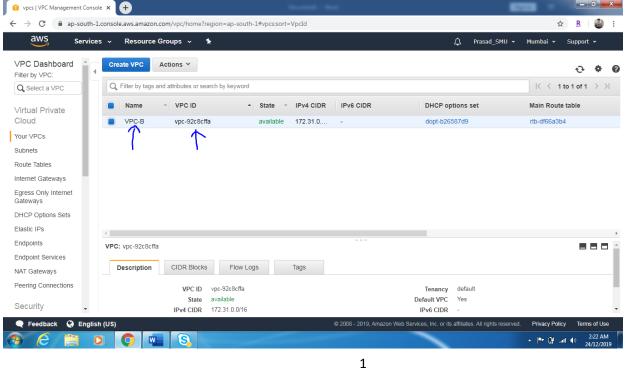
VPC PEERING

Task 1:

Note down your region (i.e. Singapore). Navigate to VPC Service and Click on Your VPC. Give VPC Name as VPC-A.



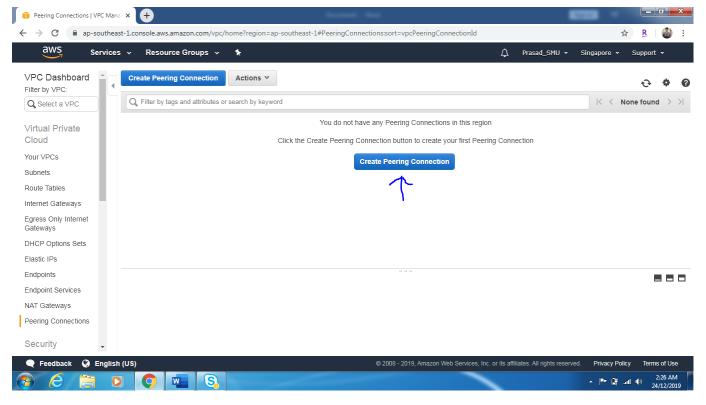
Similarly, switch over to Mumbai region and give VPC Name as VPC-B. Also take a note of VPC-B VPC ID.



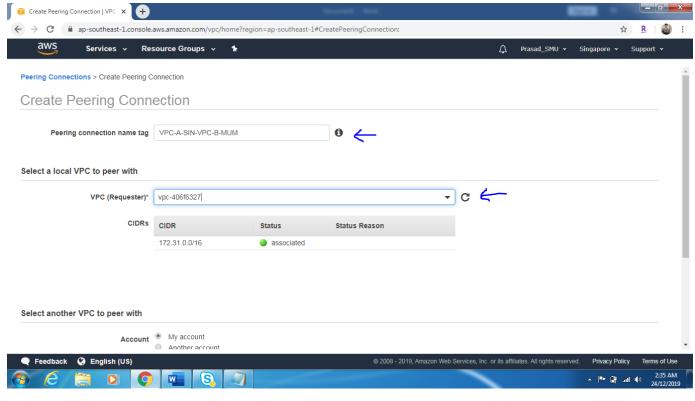
AWS INDEPENDENT STUDY

SMU ID: 48101187

On Singapore Region, navigate to VPC Service and click on Peering Connection and click on Create Peering Connection.



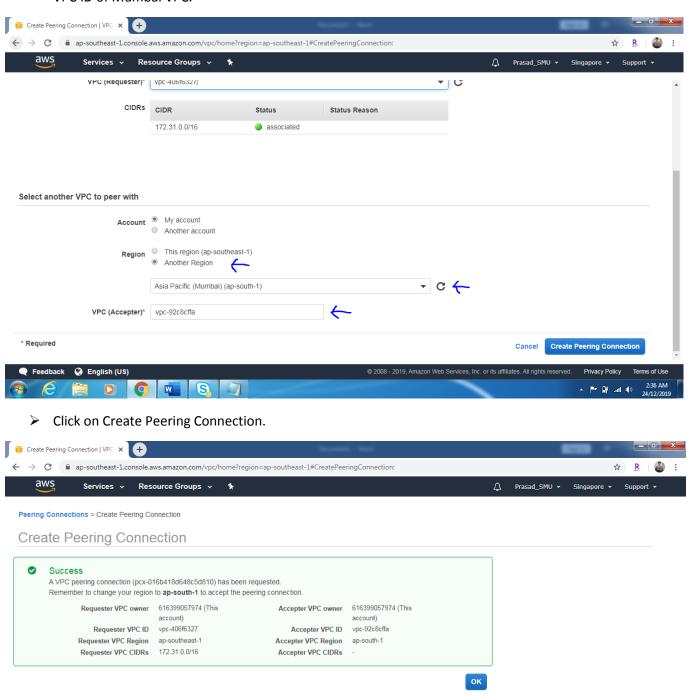
Give Peer Connection Name as "VPC-A-SIN-VPC-B-MUM". Select VPC (Requester) as Singapore VPC.



AWS INDEPENDENT STUDY

SMU ID: 48101187

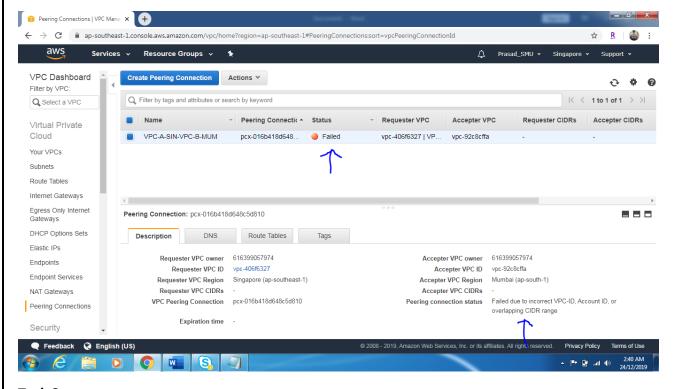
Click on Another Region and Select Region as "Asia Pacific (Mumbai) (ap-south-1)" and Put VPC Accepter ID as VPC ID of Mumbai VPC.



AWS INDEPENDENT STUDY

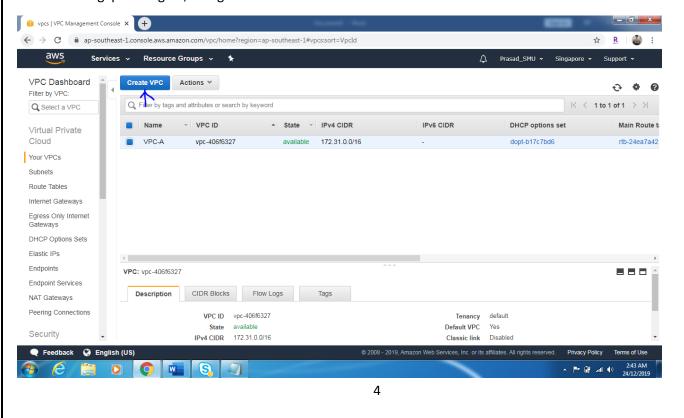
SMU ID: 48101187

If you notice carefully, VPC Peering has been FAILED due to **identical CIDR Range (172.31.0.0/16)** on both the VPCs.



Task 2:

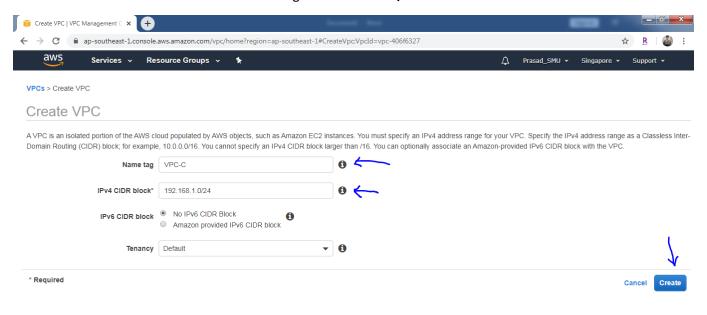
- Now In this Task, lets create a new Custom VPC and try to establish a new VPC Peering Connection.
- In Singapore Region, Navigate to VPC Service and Click on Create VPC.



AWS INDEPENDENT STUDY

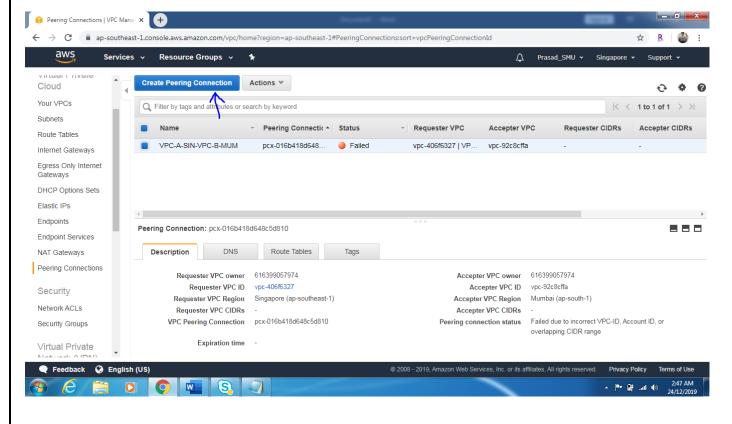
SMU ID: 48101187

➤ Give VPC Name as VPC-C and CIDR Range as 192.168.1.0/24 and Click on Save.





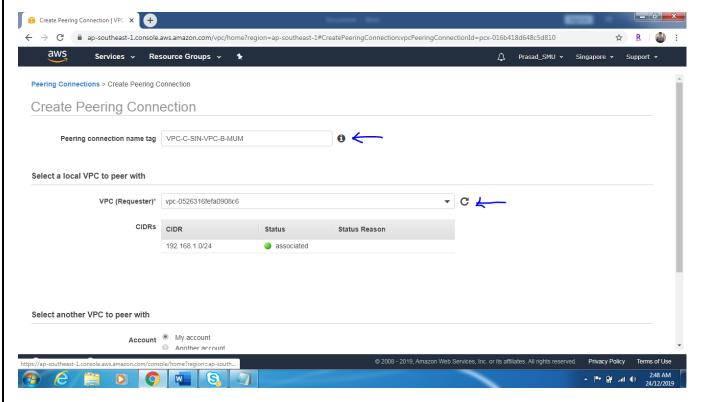
Now click on Peering Connections again and Click on Peering Connection.



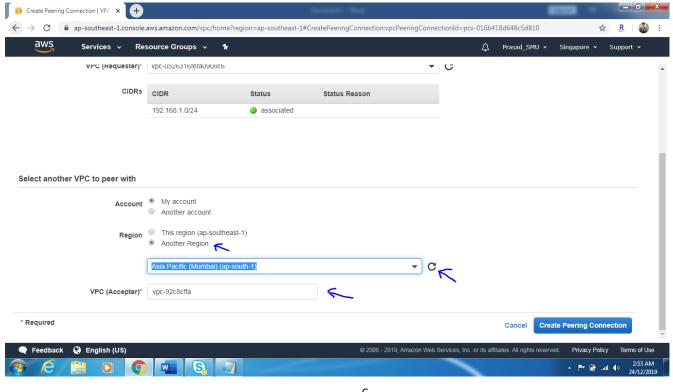
AWS INDEPENDENT STUDY

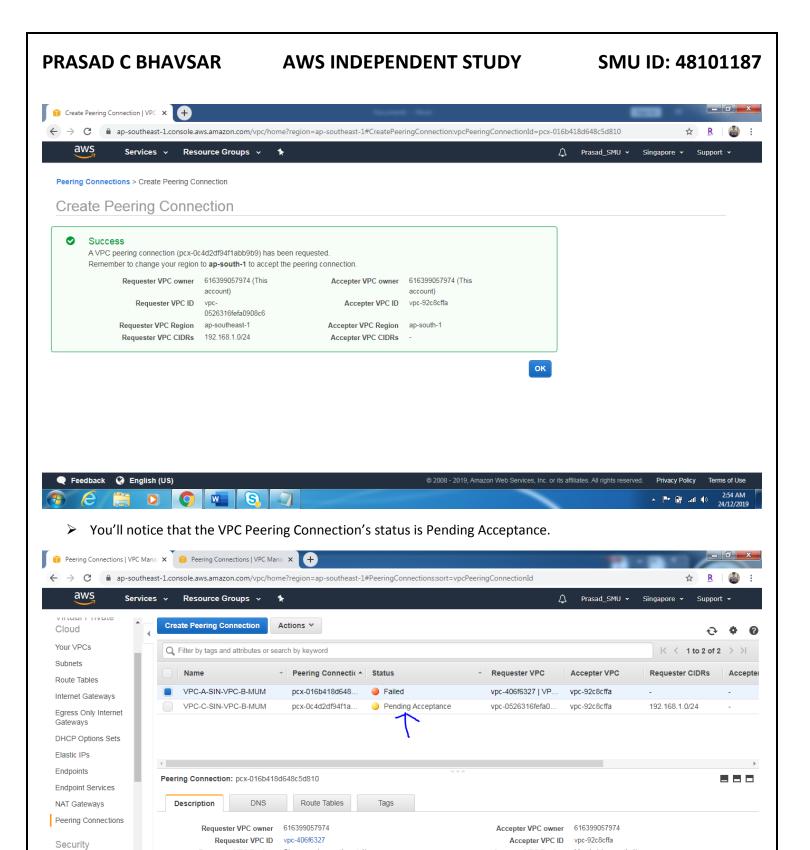
SMU ID: 48101187

➤ Give Peering Connection Name as **VPC-C-SIN-VPC-B-MUM** and Select VPC (Requester) as **Custom VPC** which was newly created in Singapore Region.



Click on Another Region and Select Region as Asia Pacific (Mumbai) (ap-south-1). Select VPC (Accepter) as VPC ID of VPC-B (Default VPC in Mumbai Region). Click on Create Peering Connection.





Accepter VPC Region

Accepter VPC CIDRs

Mumbai (ap-south-1)

overlapping CIDR range

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Peering connection status Failed due to incorrect VPC-ID, Account ID, or

Requester VPC Region

Requester VPC CIDRs

Expiration time

VPC Peering Connection pcx-016b418d648c5d810

Network ACLs

Security Groups

Virtual Private

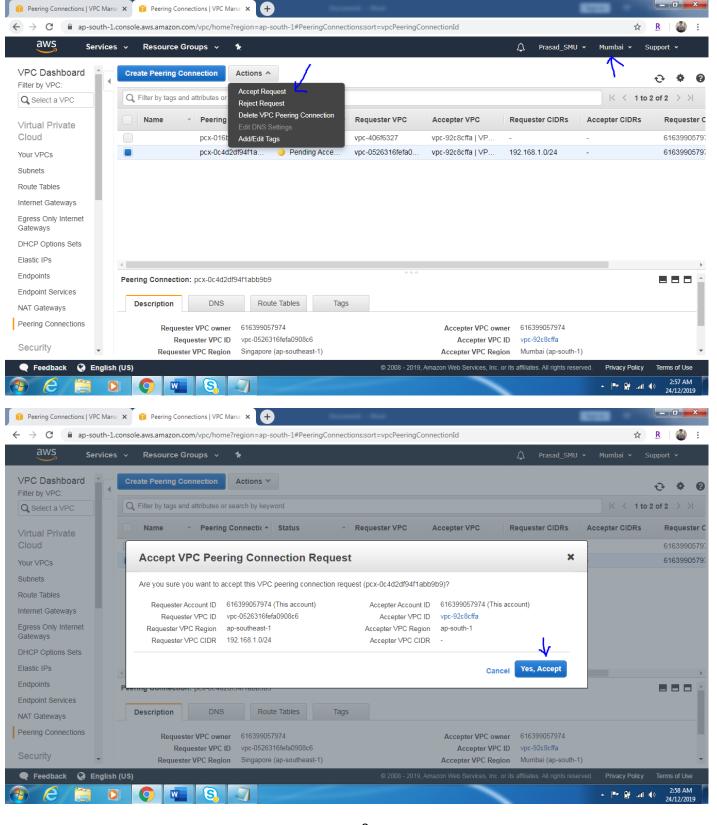
English (US)

Singapore (ap-southeast-1)

AWS INDEPENDENT STUDY

SMU ID: 48101187

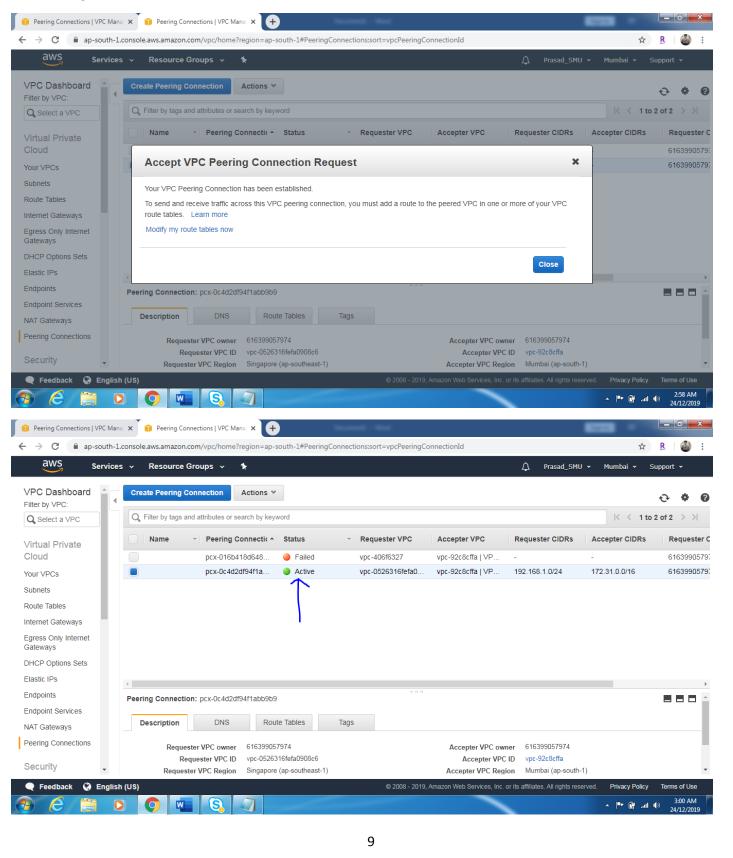
Hence, switch over to Mumbai region. Navigate to VPC Service and click on Peering Connection to accept the Request.



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SMU ID: 48101187

VPC Peering Connection has been established successfully between Custom VPC of Singapore Region and Default VPC of Mumbai Region.



PRASAD C BHAVSAR	AWS INDEPEND	ENT STUDY	SMU ID: 48101187
This completes the Lab on VPC Peering.			
For Questions, contact me on pbhavsar@smu.edu .			
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