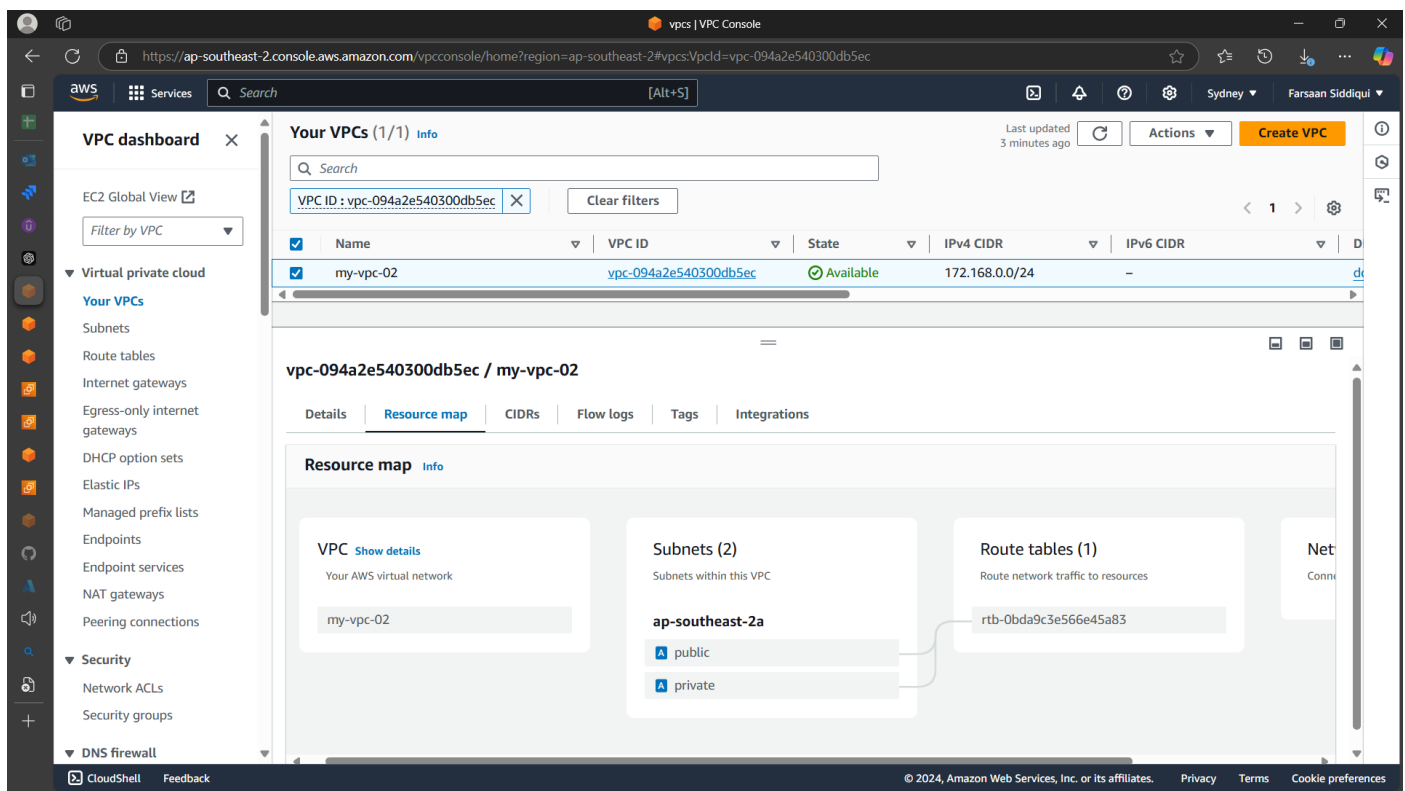


>>Create one VPC,with 1 one public subnet and 1 private subnet.



>>Enable VPC peering for cross region.

go to vpc and click peering > create peering connection > fill the details > add the vpc from the remote server then sent the request > accept the request from remote server > add ip in route table in both servers.

```
[ec2-user@ip-172-31-31-153 ~]$ ping 172.168.0.1
PING 172.168.0.1 (172.168.0.1) 56(84) bytes of data.
ALALAC
--- 172.168.0.1 ping statistics ---
10 packets transmitted, 0 received, 100% packet loss, time 9202ms

[ec2-user@ip-172-31-31-153 ~]$ ^C
[ec2-user@ip-172-31-31-153 ~]$ ping 172.168.0.6
PING 172.168.0.6 (172.168.0.6) 56(84) bytes of data.
64 bytes from 172.168.0.6: icmp_seq=1 ttl=255 time=194 ms
64 bytes from 172.168.0.6: icmp_seq=2 ttl=255 time=195 ms
64 bytes from 172.168.0.6: icmp_seq=3 ttl=255 time=194 ms
64 bytes from 172.168.0.6: icmp_seq=4 ttl=255 time=195 ms
^C
--- 172.168.0.6 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3003ms
rtt min/avg/max/mdev = 194.920/195.040/195.158/0.095 ms
[ec2-user@ip-172-31-31-153 ~]$ |
```

>>Enable VPC peering for cross account. (You can collaborate with your friend and do this task).

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

peering-connection

Select a local VPC to peer with

VPC ID (Requester)

vpc-0f608bad66a1b979d (my-vpc01)

VPC CIDRs for vpc-0f608bad66a1b979d (my-vpc01)

CIDR	Status	Status reason
172.168.0.0/24	Associated	-

Select another VPC to peer with

Account

☐ My account

☒ Another account

Account ID

474668395592

Region

☐ This Region (ap-southeast-2)

☒ Another Region

US East (N. Virginia) (us-east-1)

VPC ID (Acceptor)

vpc-070913ad0ea3aadd4

Peering connections (1/3) Info

Find resources by attribute or tag

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC
<input type="radio"/> sydney-nvirenia	pcx-0607f8e7e53dfceea	Active	vpc-0f608bad66a1b979d / my-...	vpc-032de1dd31c0eba5f
<input checked="" type="radio"/> peering-connection	pcx-0e8689c2e092f4fa1	Active	vpc-0960b1b3709dc266d	vpc-070913ad0ea3aadd4
<input type="radio"/> peering-connection	pcx-0ed6228a4793049f3	Failed	vpc-0f608bad66a1b979d / my-...	vpc-070913ad0ea3aadd4

pcx-0e8689c2e092f4fa1 / peering-connection

Details DNS Route tables Tags

Details

Requester owner ID 390403872402	Acceptor owner ID 474668395592	VPC Peering connection ARN arn:aws:ec2:ap-southeast-2:390403872402:vpc-peering-connection/pcx-0e8689c2e092f4fa1
Peering connection ID pcx-0e8689c2e092f4fa1	Requester VPC vpc-0960b1b3709dc266d	Acceptor VPC vpc-070913ad0ea3aadd4
Status Active	Requester CIDRs 172.31.0.0/16	Acceptor CIDRs 172.168.0.0/24
Expiration time -	Requester Region Sydney (ap-southeast-2)	Acceptor Region N. Virginia (us-east-1)

```
ec2-user@ip-172-31-0-44:~  
[ec2-user@ip-172-31-0-44 ~]$ ping 172.168.0.12  
PING 172.168.0.12 (172.168.0.12) 56(84) bytes of data.  
64 bytes from 172.168.0.12: icmp_seq=1 ttl=255 time=195 ms  
64 bytes from 172.168.0.12: icmp_seq=2 ttl=255 time=196 ms  
64 bytes from 172.168.0.12: icmp_seq=3 ttl=255 time=195 ms  
^C  
--- 172.168.0.12 ping statistics ---  
3 packets transmitted, 3 received, 0% packet loss, time 2003ms  
rtt min/avg/max/mdev = 195.176/195.392/195.613/0.178 ms  
[ec2-user@ip-172-31-0-44 ~]$
```

>>Setup VPC Transist gateway.

Transit gateways (1/1) info

Find transit gateway by attribute or tag

<input checked="" type="checkbox"/>	Name	Transit gateway ID	State
<input checked="" type="checkbox"/>	my-TGW	tgw-0363f9275647db809	Available

Transit gateway: tgw-0363f9275647db809 / my-TGW

Details | Flow logs | Sharing | Tags

Details

Transit gateway ID tgw-0363f9275647db809	Transit gateway ARN arn:aws:ec2:ap-southeast-2:390403872402:transit-gateway/tgw-0363f9275647db809	Owner ID 390403872402	Description -
State Available	Default association route table Enable	Default propagation route table Enable	Transit gateway CIDR blocks 1 CIDRs
Amazon ASN 64512	Association route table ID tgw-rtb-0d74fd43647980fd5	Propagation route table ID tgw-rtb-0d74fd43647980fd5	Security Group Referencing support Disable
DNS support Enable	Auto accept shared attachments Enable	VPN ECMP support Enable	Multicast support Disable

Transit gateway route tables (1/1) info

Find transit gateway route table by attribute or tag

<input checked="" type="checkbox"/>	Name	Transit gateway route table ID	Transit gateway ID	State	Default association route table
<input checked="" type="checkbox"/>		tgw-rtb-0d74fd43647980fd5	tgw-0363f9275647db809	Available	Yes

Transit gateway route tables: tgw-rtb-0d74fd43647980fd5

Details | Associations | Propagations | Prefix list references | Routes | Tags

Associations (3) info

Find association by attribute or tag

<input type="checkbox"/>	Attachment ID	Resource type	Resource ID	State
<input type="checkbox"/>	tgw-attach-094f647d4ca26a1d0	VPC	vpc-0923623691744dfed	Associated
<input type="checkbox"/>	tgw-attach-0237c08a5be749246	VPC	vpc-0f608bad66a1b979d	Associated
<input type="checkbox"/>	tgw-attach-0f9bae05514e0345a	VPC	vpc-094a2e540300db5ec	Associated

>>Setup VPC End Point.