

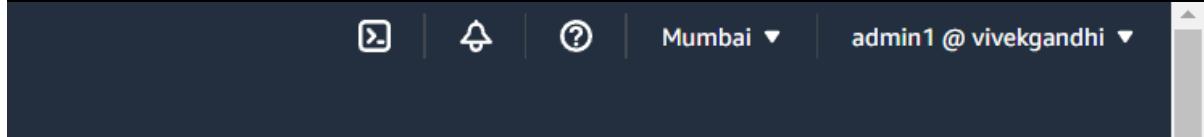
VPC PEERING

1. Same account and different region peering

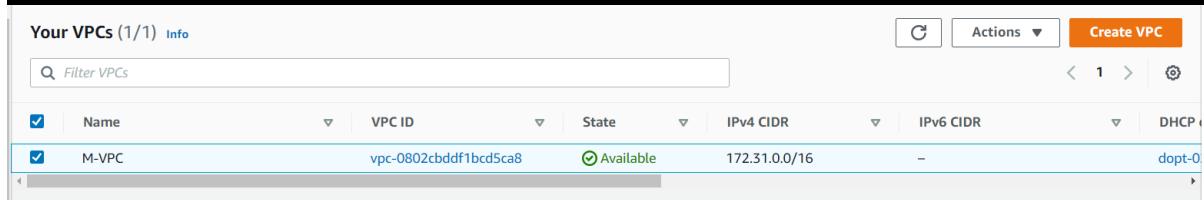
Select two regions (Mumbai, Tokyo)

1. Mumbai side all configuration steps

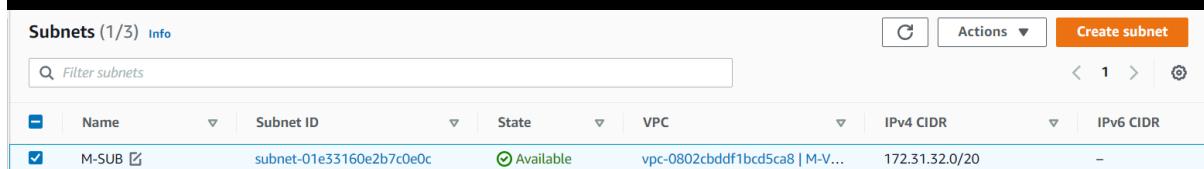
Select Mumbai region same account



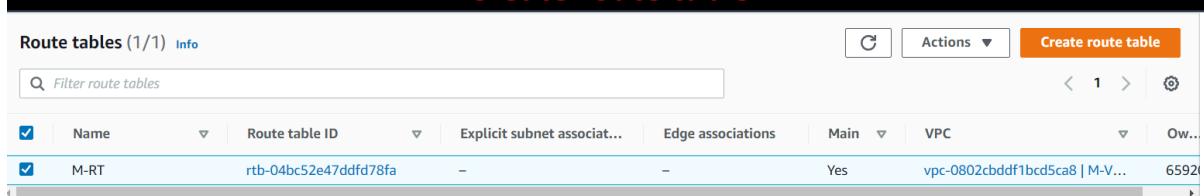
Create VPC



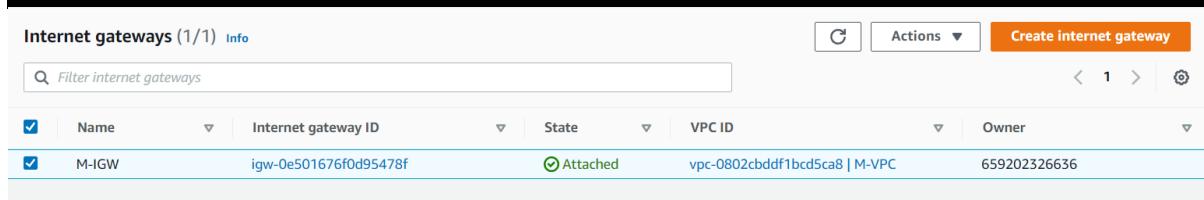
Create Subnet



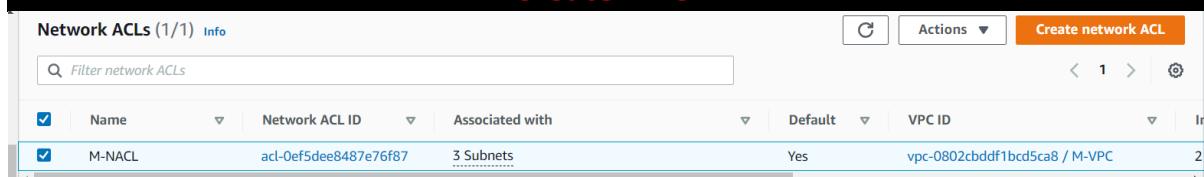
Create route table



Create IGW and attached subnet



Create NACL



VPC PEERING

In NACL All traffic allow in inbound

Inbound rules (2)							Edit inbound rules
Rule number	Type	Protocol	Port range	Source	Allow/Deny	Action	
100	All traffic	All	All	0.0.0.0/0	Allow	Edit	

In NACL all traffic allow inbound

Outbound rules (2)							Edit outbound rules
Rule number	Type	Protocol	Port range	Destination	Allow/Deny	Action	
100	All traffic	All	All	0.0.0.0/0	Allow	Edit	

Same step follows to Tokyo region

Tokyo [admin1 @ vivekgandhi](#)

Create VPC another IP

Your VPCs (1/1) Info							Actions	Create VPC
Filter VPCs							Actions	Create VPC
<input checked="" type="checkbox"/>	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP		
<input checked="" type="checkbox"/>	T-VPC	vpc-0898ca0333b2977d3	Available	192.168.0.0/24	-	doct-4		

Create subnet

Subnets (1/1) Info							Actions	Create subnet
Filter subnets							Actions	Create subnet
<input checked="" type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR		
<input checked="" type="checkbox"/>	T-SUB	subnet-07c15a7df2b17569c	Available	vpc-0898ca0333b2977d3 T...	192.168.0.0/25	-		

Create Route table

Route tables (2) Info							Actions	Create route table
Filter route tables							Actions	Create route table
<input type="checkbox"/>	Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC		Ow...
<input type="checkbox"/>	T-RT	rtb-0032ae7ebf90fe958	-	-	No	vpc-0898ca0333b2977d3 T...	6592	

Create IGW and attached subnet

Internet gateways (1/1) Info							Actions	Create internet gateway
Filter internet gateways							Actions	Create internet gateway
<input checked="" type="checkbox"/>	Name	Internet gateway ID	State	VPC ID	Owner			
<input checked="" type="checkbox"/>	T-IGW	igw-0348c0e392883c972	Attached	vpc-0898ca0333b2977d3 T-...	659202326636			

VPC PEERING

Create NACL

Network ACLs (1) Info						
<input type="checkbox"/>	Name	Network ACL ID	Associated with	Default	VPC ID	Ir
<input type="checkbox"/>	T-NACL	acl-0efc1e9857832bc8b	subnet-07c15a7df2b17569c / T-SUB	Yes	vpc-0898ca0333b2977d3 / T-VPC	2

Inbound all allow traffic

Inbound rules (2)						
<input type="checkbox"/>	Rule number	Type	Protocol	Port range	Source	Allow/Deny
<input type="checkbox"/>	100	All traffic	All	All	0.0.0.0/0	Allow

Outbound all allow traffic

Outbound rules (2)						
<input type="checkbox"/>	Rule number	Type	Protocol	Port range	Destination	Allow/Deny
<input type="checkbox"/>	100	All traffic	All	All	0.0.0.0/0	Allow

Create EC2 IN MUMBAI

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an

Number of instances [Launch into Auto Scaling Group](#)

Purchasing option Request Spot instances

Network [Create new VPC](#)

Subnet [Create new subnet](#)
4091 IP Addresses available

Auto-assign Public IP **IF YOU WANT PUBLIC IP TO CLICK ENABLE**

Create SG

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: Create a new security group
 Select an existing security group

Security group name:

Description:

Type	Protocol	Port Range	Source	Description
All traffic	All	0 - 65535	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

[Add Rule](#)

DOWNLOAD Key

Create a new key pair

Key pair type RSA ED25519

Key pair name

[Download Key Pair](#)

VPC PEERING

Create successfully

Instances (1/1) Info								
<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input checked="" type="checkbox"/>	M-INS	i-0a53bb52ba00ba3a8	Running	t2.micro	-	No alarms	ap-south-1a	ec2-13-127-23

Create public and private ip

Public IPv4 address

65.0.74.181 | [open address](#)

Instance state

Running

Private IPv4 addresses

172.31.37.86

Public IPv4 DNS

ec2-65-0-74-181.ap-south-1.com

Same step follows to create Tokyo region in EC2 create

Instances (1/1) Info								
<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input checked="" type="checkbox"/>	T-INS	i-063e7bb2669ea281d	Running	t2.micro	-	No alarms	ap-northeast-1c	-

Instance: i-063e7bb2669ea281d

[Details](#) [Security](#) [Networking](#) [Storage](#) [Status checks](#) [Monitoring](#) [Tags](#)

[Instance summary](#) [Info](#)

Instance ID <input type="checkbox"/> i-063e7bb2669ea281d	Public IPv4 address <input type="checkbox"/> 18.181.74.16 open address	Private IPv4 addresses <input type="checkbox"/> 192.168.0.20
IPv6 address -	Instance state Running	Public IPv4 DNS -

After both sides create EC2 connect Mumbai side ec2

Instances (1/1) Info								
<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input checked="" type="checkbox"/>	M-INS	i-0a53bb52ba00ba3a8	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-65-0-74-1

After connect click RDP option to connect RDP

Connect to instance [Info](#)

Connect to your instance i-0a53bb52ba00ba3a8 (M-INS) using any of these options

Session Manager

RDP client

EC2 Serial Console

Instance ID

i-0a53bb52ba00ba3a8 (M-INS)

VPC PEERING

CLICK TO get password option to generate password

When prompted, connect to your instance using the following details:

Public DNS
ec2-65-0-74-181.ap-south-1.compute.amazonaws.com

User name
Administrator

Password

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

Click to brows option



Key pair associated with this instance
MUMBAI

Browse to your key pair:

Or copy and paste the contents of the key pair below:

Select key and click decrypt password option

To decrypt the password, you will need your key pair for this instance.



Key pair associated with this instance
MUMBAI

Browse to your key pair:

MUMBAI.pem
1.704KB

Or copy and paste the contents of the key pair below:

```
8EfjLYHCK/SDAQJ1DC2zQKJ/F0m56g/+GzUwQO0SHIVts7ANRhiJo8H600yPH7Fr
s3Xc918y0aOsc+RfQu8RZ0s+vOU8qlaFRl7no1pVLjkOCo7aripUzoZNgiKJluU
95Ik2F6hAoGBAO7tFOM5PvLDvM2JydjE0hcyczjTgmYjb1QwuuvHGQauF0g+WKD
veJk3KpLHB4NMw2cYNuHP7w8ArZZGw8p2HU50jkS/bMNCKS4JL0JFl52oGAe1mXb
MH9IL5htcvAmA2tR8Sh3h0zjtvexKLh/oheqFdIGRx6Ky9s9Co+4UVo1AoGBAOUm
R4UbIL69pKMAXMv1z5PDj2PGuTRIUGlEmIKBtgU3cX6SF0XOyjNwVk5gXYpPwPFp
t6Cv7MvuljZAm5XHHsQlo8skZLrdCt73LdALXuV13w3YnbqODcwZ/BntaE2iXOAF
vxYJoQclLYKDUKzMmnj3IndxM4HmyiGRyE9bWCrjAoGABgTc+NhxWIzL1FW7SwWy
```

Cancel

Generated password

Public DNS
ec2-65-0-74-181.ap-south-1.compute.amazonaws.com

User name
Administrator

Password
sOc4oA&@2dNRXFfgSqEzHU3?2SQ7TL\$q

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

VPC PEERING

Open RDP and connect to public IP

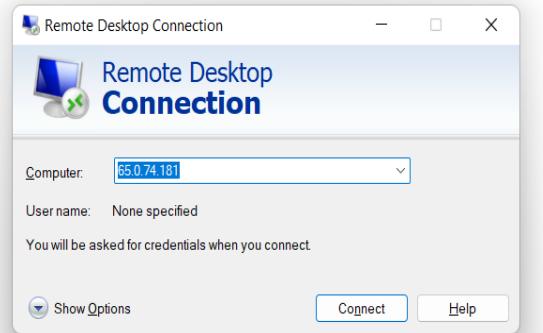
MUMBAI

VPCID – vpc-0802cbddf1bcd5ca8

PUBLIC IP- 65.0.74.181

PRIVATE IP- 172.31.37.86

Pw - sOc4oA&@2dNRXFfgSqEzHU3?2SQ7TL\$q



INSERT USERNAME PASSWORD

When prompted, connect to your instance using the following details:

Public DNS: ec2-65-0-74-181.ap-south-1.compute.amazonaws.com

User name: Administrator

Password: sOc4oA&@2dNRXFfgSqEzHU3?2SQ7TL\$q

Enter your credentials

These credentials will be used to connect to 65.0.74.181.

Administrator

sOc4oA&@2dNRXFfgSqEzHU3?2SQ7TL\$q

Remember me

OK Cancel

CLICK TO YES TO CONNECTED OS

The identity of the remote computer cannot be verified. Do you want to connect anyway?

The remote computer could not be authenticated due to problems with its security certificate. It may be unsafe to proceed.

Certificate name

Name in the certificate from the remote computer: EC2AMAZ-T1V5BNS

Certificate errors

The following errors were encountered while validating the remote computer's certificate:

The certificate is not from a trusted certifying authority.

Do you want to connect despite these certificate errors?

Don't ask me again for connections to this computer

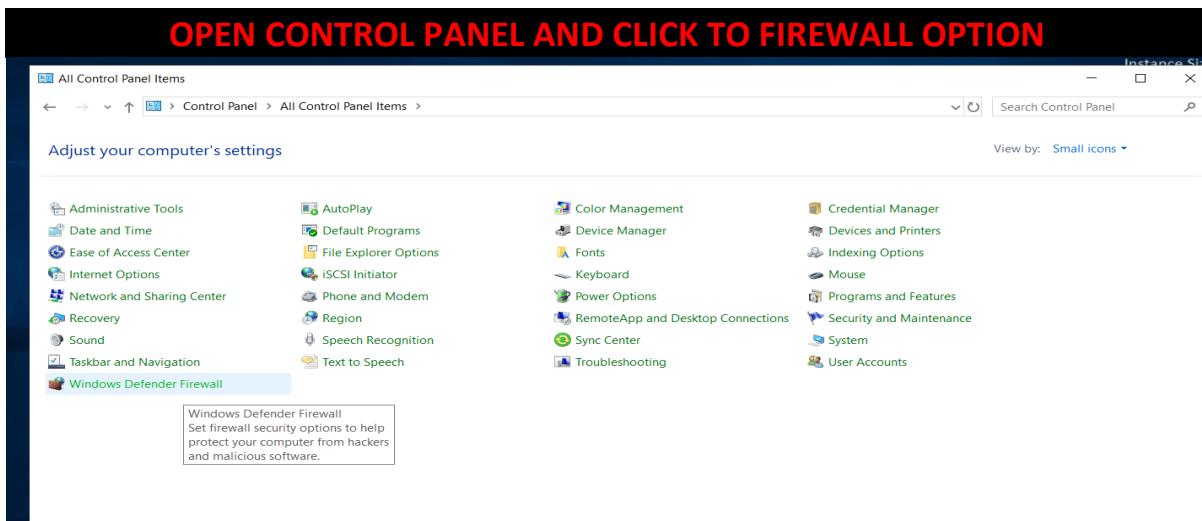
[View certificate...](#) Yes No

VPC PEERING

OPEN WINDOWS



OPEN CONTROL PANEL AND CLICK TO FIREWALL OPTION



DISABLE FIREWALL



VPC PEERING

Same step apply to TOKYO region

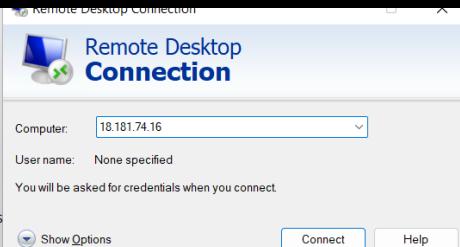
Open RDP and connect

When prompted, connect to your instance using the following details:

Public IP: 18.181.74.16 User name: Administrator

Password: vAb7eLs!AzcF)dl?U)pK*6XP57TzFy%;

If you've joined your instance to a directory, you can use your directory credentials



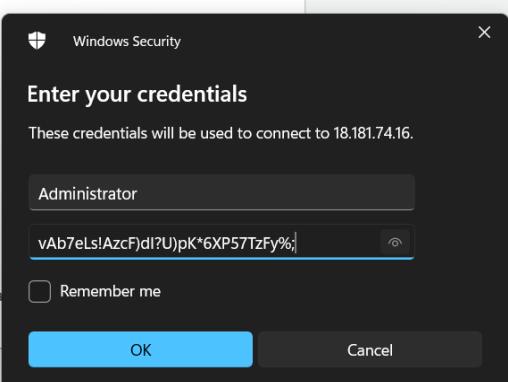
Insert id password

When prompted, connect to your instance using the following details:

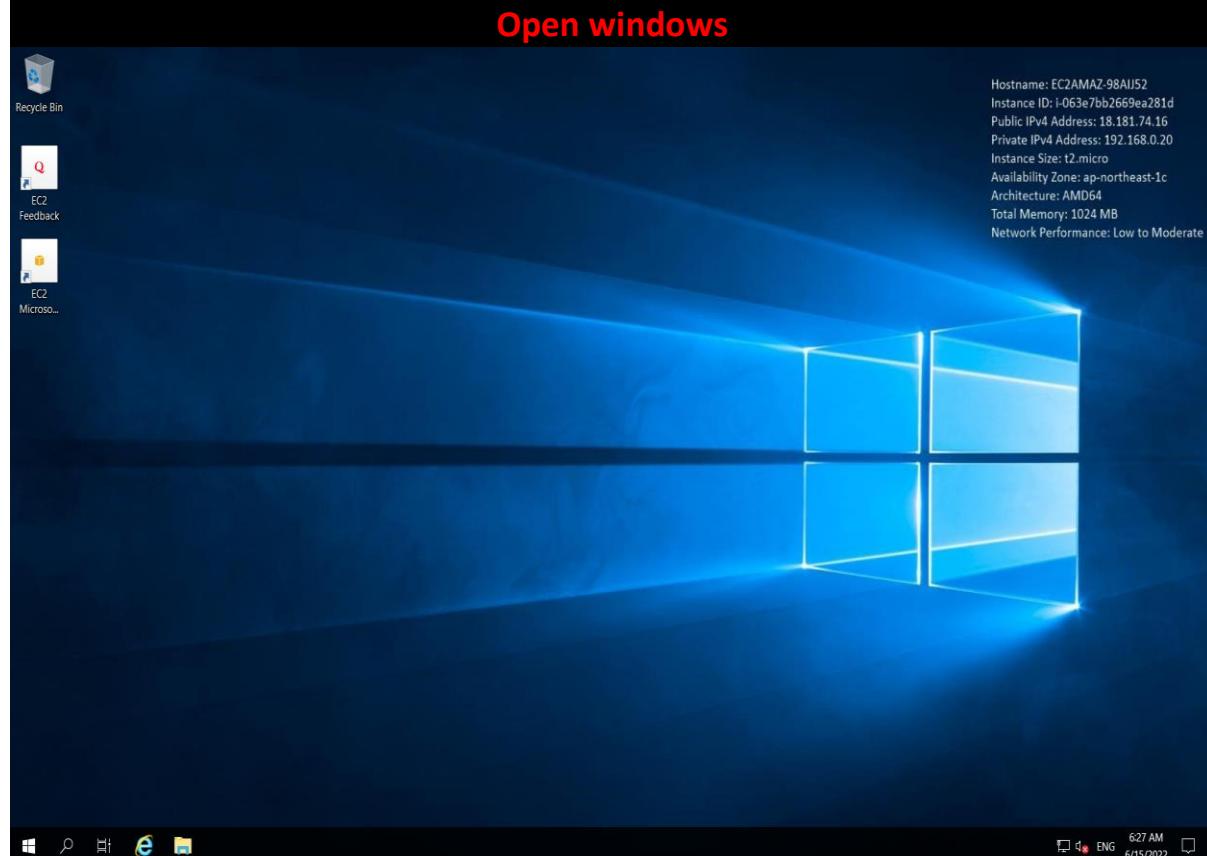
Public IP: 18.181.74.16 User name: Administrator

Password: vAb7eLs!AzcF)dl?U)pK*6XP57TzFy%;

If you've joined your instance to a directory, you can use your directory credentials

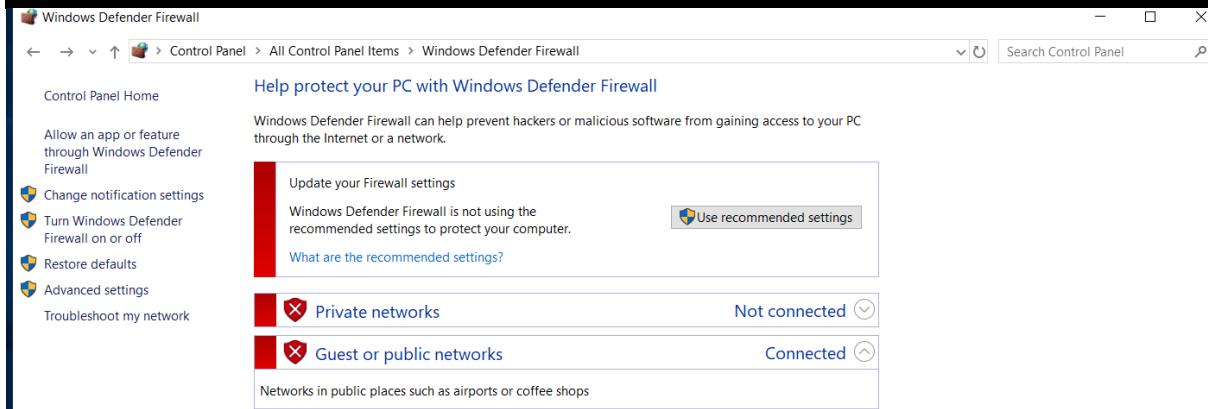


Open windows

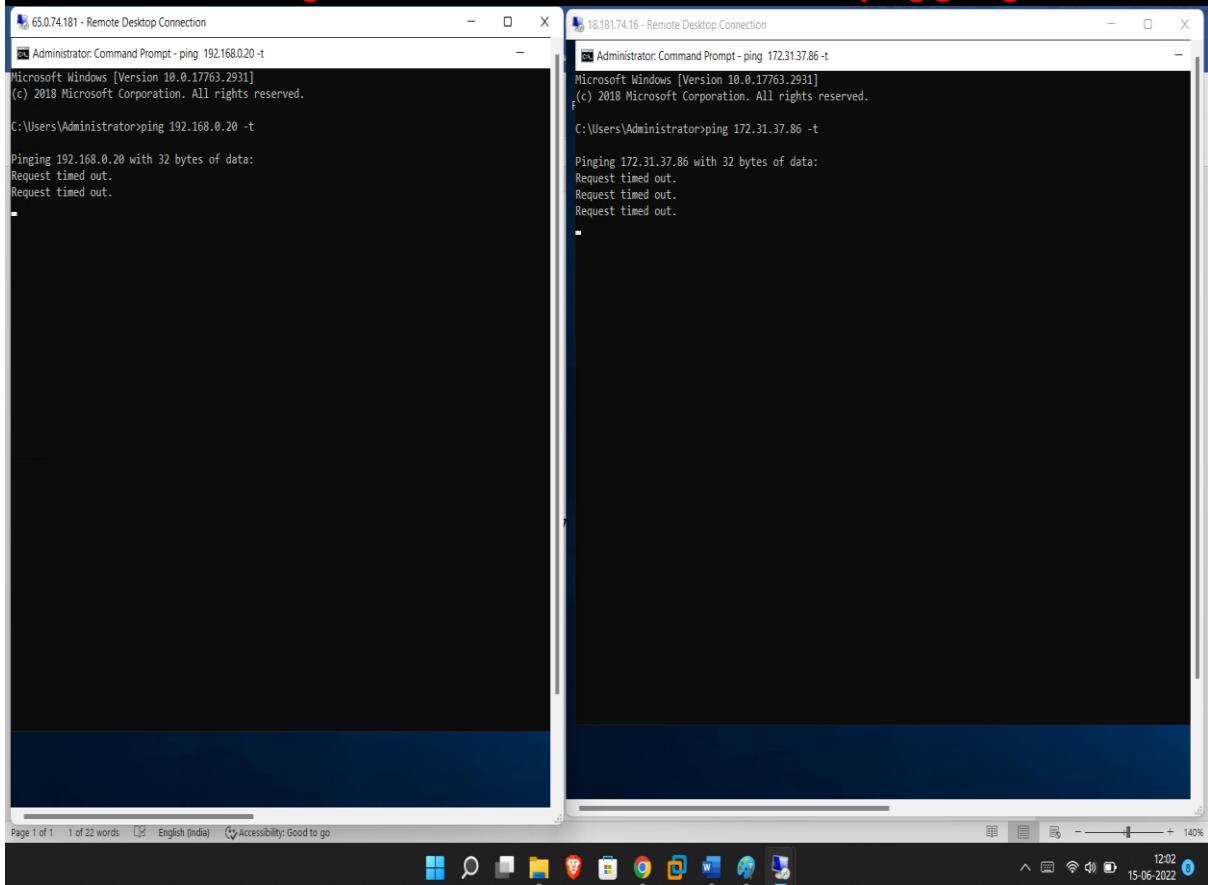


VPC PEERING

Disable firewall

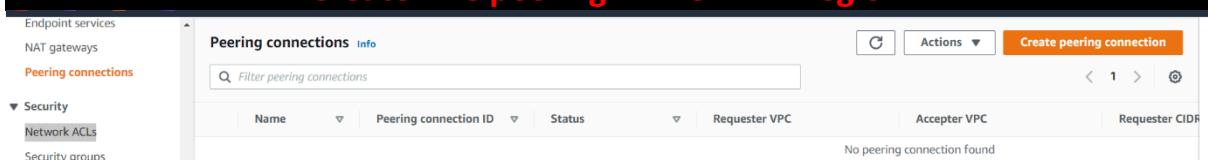


All basic configuration done then check both side ping going or not



Both IP is different that's why not going ping so then after create VPC peering in one side and one side accept the request

Create VPC peering in MUMBAI region



VPC PEERING

Insert name and select local VPC

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.

M-PEERING

Select a local VPC to peer with

VPC ID (Requester)

vpc-0802cbddf1bcd5ca8 (M-VPC)

VPC CIDRs for vpc-0802cbddf1bcd5ca8 (M-VPC)

CIDR	Status	Status reason
172.31.0.0/16	Associated	-

Select same account and another region and insert TOKYO VPC and VPCID

Select another VPC to peer with

Account

- My account
- Another account

Region

- This Region (ap-south-1)
- Another Region

Asia Pacific (Tokyo) (ap-northeast-1)

VPC ID (Acceptor)

vpc-0898ca0333b2977d3

Successfully add but pending status due to not accept to client side

A VPC peering connection ppx-05c5b7815c4f039d5 / M-PEERING has been requested.

Remember to change your region to ap-northeast-1 to accept the peering connection.

Peering connections (1/1) Info					
Actions Create peering connection					
<input type="text"/> Filter peering connections					
Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDR
0 M-PEERING	pxx-05c5b7815c4f039d5	Pending acceptance	vpc-0802cbddf1bcd5ca8 / M-	vpc-0898ca0333b2977d3	172.31.0.0/16

AFTER route configure open TOKYO and peering connection accept option click (its assign automatic)

Peering connections (1/1) Info					
Actions Create peering connection					
View details					
Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDR
0 M-T	pxx-05c5b7815c4f039d5	Pending acceptance	vpc-0802cbddf1bcd5ca8	vpc-0898ca0333b2977d3	172.31.0.0/16

VPC PEERING

After click accept status is active both side (TOKYO)

Peering connections (1/1) Info						
Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDR	Actions
M-T	pcx-05c5b7815c4f039d5	Active	vpc-0802cbddf1bcd5ca8	vpc-0898ca0333b2977d3 / T...	172.31.0.0/16	Create peering connection

MUMBAI

Peering connections (1/1) Info						
Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDR	Actions
M-PEERING	pcx-05c5b7815c4f039d5	Active	vpc-0802cbddf1bcd5ca8 / M...	vpc-0898ca0333b2977d3	172.31.0.0/16	Create peering connection

VPC Peering configuration done than after create 1 rule

Route tables (1/1) Info						
Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Actions
M-RT	rtb-04bc52e47ddfd78fa	-	-	Yes	vpc-0802cbddf1bcd5ca8 M-V...	Create route table

rtb-04bc52e47ddfd78fa / M-RT

Routes (2)

Destination	Target	Status	Propagated
172.31.0.0/16	local	Active	No
0.0.0.0/0	igw-0e501676f0d95478f	Active	No
Q_ PE	Peering Connection	-	No

[Edit routes](#)

Search name peering and select

Edit routes

Destination	Target	Status	Propagated
172.31.0.0/16	local	Active	No
0.0.0.0/0	igw-0e501676f0d95478f	Active	No
Q_ PE	Peering Connection	-	No

[Add route](#) [Cancel](#) [Preview](#) [Save changes](#)

Insert Network in TOKYO

Edit routes

Destination	Target	Status	Propagated
172.31.0.0/16	local	Active	No
0.0.0.0/0	igw-0e501676f0d95478f	Active	No
192.168.0.0/24	pcx-05c5b7815c4f039d5	-	No

[Add route](#) [Cancel](#) [Preview](#) [Save changes](#)

VPC PEERING

ASSIGN ROUTE TO TOKYO IP (192.168.0.0/24)

The screenshot shows the AWS Route Tables interface. A green success message at the top states: "Updated routes for rtb-04bc52e47ddfd78fa / M-RT successfully". Below this, a table lists three routes:

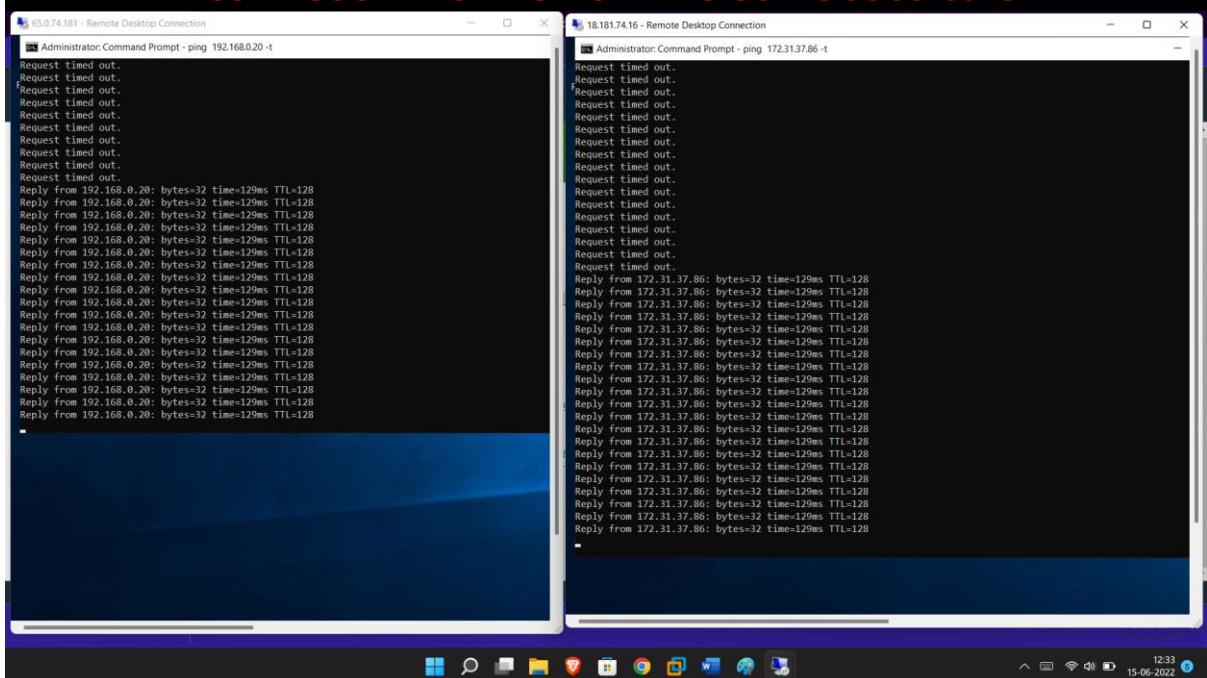
Destination	Target	Status	Propagated
192.168.0.0/24	pcx-086c4a09d72977291	Active	No
172.31.0.0/16	local	Active	No
0.0.0.0/0	igw-0e501676f0d95478f	Active	No

Same as step TOKYO side add route mumbai ip(172.31.0.0/16)

The screenshot shows the AWS Route Tables interface. A green success message at the top states: "You have successfully updated subnet associations for rtb-0a0870529af0bcde2 / T-RT". Below this, a table lists three routes:

Destination	Target	Status	Propagated
192.168.0.0/24	local	Active	No
172.31.0.0/16	pcx-086c4a09d72977291	Active	No
0.0.0.0/0	igw-0348c0e392883c972	Active	No

ALL CONFIGURATION DON OR PING GOING SUCCESSFULLY



VPC PEERING

2. Same account and Same region two VPC peering

Mumbai side all configuration steps

Step-1 Create 2 VPC in same region

Your VPCs (2) Info						
	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP
<input type="checkbox"/>	C-VPC	vpc-0e39165e58de56338	Available	192.168.0.0/24	-	dopt-0
<input type="checkbox"/>	D-VPC	vpc-09c96266c146b22c1	Available	172.31.0.0/16	-	dopt-0

Step-2 Create 2 subnet

Subnets (4) Info						
	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	C-SUB	subnet-015f2414f16ca8be8	Available	vpc-0e39165e58de56338 C...	192.168.0.0/25	-
<input type="checkbox"/>	-	subnet-02c0a18e5fc86e158	Available	vpc-09c96266c146b22c1 D...	172.31.16.0/20	-
<input type="checkbox"/>	D-SUB	subnet-08924b19f73d43db8	Available	vpc-09c96266c146b22c1 D...	172.31.32.0/20	-
<input type="checkbox"/>	-	subnet-0ff1de48ff663d921	Available	vpc-09c96266c146b22c1 D...	172.31.0.0/20	-

Step-3 Create 2 route table

Route tables (2) Info						
	Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC
<input type="checkbox"/>	C-RT	rtb-0a34b66a1fb17a545	subnet-015f2414f16ca8...	-	Yes	vpc-0e39165e58de56338 C...
<input type="checkbox"/>	D-RT	rtb-0e87ff9b61e92e0d9	subnet-08924b19f73d4...	-	Yes	vpc-09c96266c146b22c1 D...

Step-4 Assign C-RT route details

Routes (2)						
Edit routes						
Filter routes						
Destination	Target	Status	Propagated			
192.168.0.0/24	local	Active	No			
0.0.0.0/0	igw-040629fc2b052ad9a	Active	No			

Step-5 Assign D-RT route details

Routes (2)						
Edit routes						
Filter routes						
Destination	Target	Status	Propagated			
172.31.0.0/16	local	Active	No			
0.0.0.0/0	igw-0a4f579f49155b9be	Active	No			

VPC PEERING

Step-6 Create 2 IGW

Internet gateways (2) Info						
	Name	Internet gateway ID	State	VPC ID	Owner	Actions
<input type="checkbox"/>	C-IGW	igw-040629fc2b052ad9a	Attached	vpc-0e39165e58de56338 C-VPC	659202326636	Edit Actions Delete
<input type="checkbox"/>	D-IGW	igw-0a4f579f49155b9be	Attached	vpc-09c96266c146b22c1 D-VPC	659202326636	Edit Actions Delete

Step-7 Create 2 NACL

Network ACLs (2) Info						
	Name	Network ACL ID	Associated with	Default	VPC ID	Actions
<input type="checkbox"/>	C-NACL	acl-04d629936363819df	subnet-015f2414f16ca8be8 / C-SUB	Yes	vpc-0e39165e58de56338 / C-VPC	Edit Actions Delete
<input type="checkbox"/>	D-NACL	acl-0b0ae171d1273cdad	3 Subnets	Yes	vpc-09c96266c146b22c1 / D-VPC	Edit Actions Delete

Step-8 BOTH side same inbound config

Inbound rules (2)						
	Rule number	Type	Protocol	Port range	Source	Allow/Deny
<input type="checkbox"/>	100	All traffic	All	All	0.0.0.0/0	<input checked="" type="checkbox"/> Allow

Step-9 Both side same outbound config

Outbound rules (2)						
	Rule number	Type	Protocol	Port range	Destination	Allow/Deny
<input type="checkbox"/>	100	All traffic	All	All	0.0.0.0/0	<input checked="" type="checkbox"/> Allow

Step-10 Create 2 EC2 same step to upper scenario

Instances (2) Info								
	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	D-INS	i-07b7b3549fb176540	Running	t2.micro	2/2 checks passed	No alarms	+ ap-south-1a	ec2-13-233-17
<input type="checkbox"/>	C-INS	i-053719f9725c41b42	Running	t2.micro	2/2 checks passed	No alarms	+ ap-south-1b	-

Step-11 Create 2 EC2

Security Groups (4) Info						
	Name	Security group ID	Security group name	VPC ID	Description	Owner
<input type="checkbox"/>	DEFAULT	sg-03eb26cd21486af14	default	vpc-0e39165e58de56338	default VPC security gr...	659202326636
<input type="checkbox"/>	D-RT	sg-070c8ddbc3902ca37	D-ROUTE	vpc-09c96266c146b22c1	launch-wizard-1 create...	659202326636
<input type="checkbox"/>	DEFAULT	sg-0ab65331d50343047	default	vpc-09c96266c146b22c1	default VPC security gr...	659202326636
<input type="checkbox"/>	C-RT	sg-0c2103113669568bb	C-ROUTE	vpc-0e39165e58de56338	launch-wizard-1 create...	659202326636

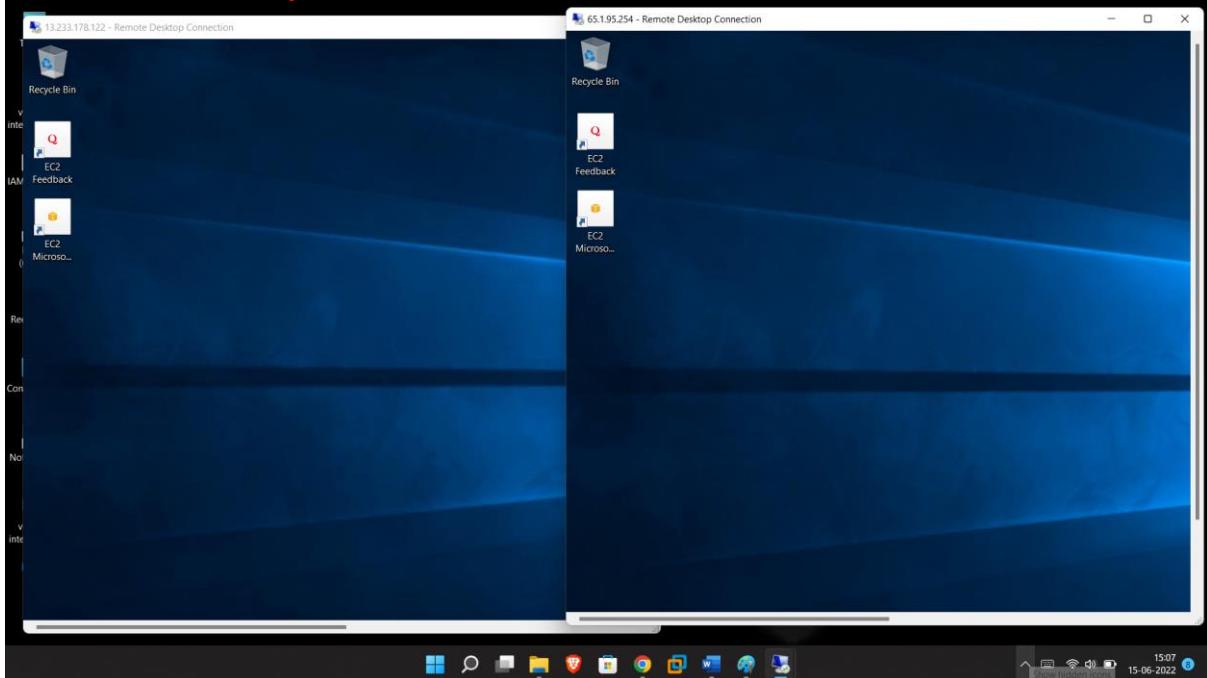
VPC PEERING

Step-13 Both side same rule assign

Inbound rules (1/1)

Name	Security group rule...	IP version	Type	Protocol	Port range
D-IN	sgr-06ae848b9e21893...	IPv4	All traffic	All	All

Step-14 CREATE AND LAUNCH BOTH WINDOWS



Step-15 Both side firewall denied

Windows Defender Firewall

Control Panel Home

Allow an app or feature through Windows Defender Firewall

Change notification settings

Turn Windows Defender Firewall on or off

Restore defaults

Advanced settings

Troubleshoot my network

Help protect your PC with Windows Defender Firewall

Update your Firewall settings

Windows Defender Firewall is not using the recommended settings to protect your computer.

What are the recommended settings?

Use recommended settings

Private networks

Guest or public networks

Windows Defender Firewall state: Off

Incoming connections: Block all connections to apps that are not on the list of allowed apps

Active public networks: Network 2

Notification state: Do not notify me when Windows Firewall blocks a new app

Windows Defender Firewall

Control Panel Home

Allow an app or feature through Windows Defender Firewall

Change notification settings

Turn Windows Defender Firewall on or off

Restore defaults

Advanced settings

Troubleshoot my network

Help protect your PC with Windows Defender Firewall

Update your Firewall settings

Windows Defender Firewall is not using the recommended settings to protect your computer.

What are the recommended settings?

Use recommended settings

Private networks

Guest or public networks

Windows Defender Firewall state: Off

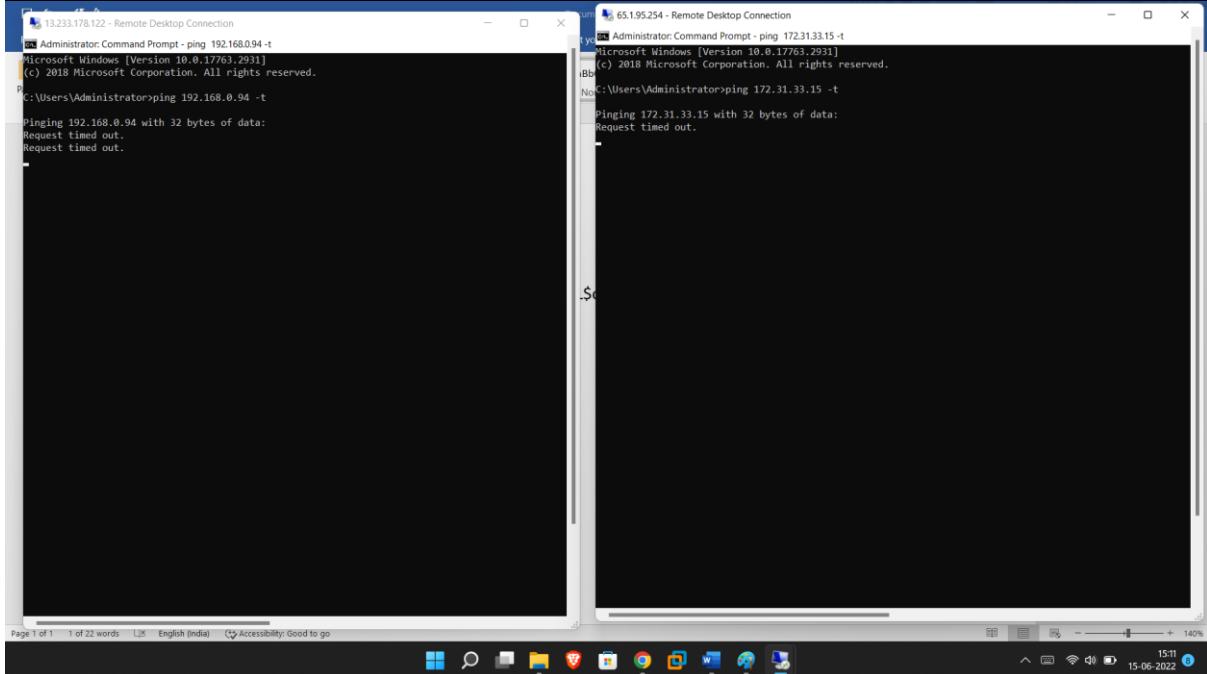
Incoming connections: Block all connections to apps that are not on the list of allowed apps

Active public networks: Network 2

Notification state: Do not notify me when Windows Firewall blocks a new app

VPC PEERING

Step-16 Check ping going or not alternat



Step-17 Select my account and this region and insert VPC ID

Select another VPC to peer with

Account

- My account
- Another account

Region

- This Region (ap-south-1)
- Another Region

VPC ID (Acceptor)

vpc-0e39165e58de56338 (C-VPC)

VPC CIDs for vpc-0e39165e58de56338 (C-VPC)

CIDR	Status	Status reason
192.168.0.0/24	Associated	-

Step-18 accept to peering in same account

The screenshot shows the AWS Lambda function configuration interface. The top navigation bar includes 'Actions', 'Create peering connection', and a search bar. A context menu is open over a row in the table, listing options: 'Accept request', 'Reject request', 'Edit DNS settings', 'Manage tags', and 'Delete peering connection'. The table lists one peering connection entry:

Name	Peering connection ID	Status	Requester VPC
D-PR TO C-PR	pcx-0d2ab1c754c24df9	Pending acceptance	vpc-09c96266c146b22c1 / D...

Step-19 Status activate

The screenshot shows the AWS Lambda function configuration interface. The top navigation bar includes 'Actions', 'Create peering connection', and a search bar. The table now shows the peering connection in an 'Active' state:

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDR
D-PR TO C-PR	pcx-0d2ab1c754c24df9	Active	vpc-09c96266c146b22c1 / D...	vpc-0e39165e58de56338 / C...	172.31.0.0/16

VPC PEERING

Step-20 open C-RT route and assign D-RT IP

The screenshot shows the AWS Route Tables console with the C-RT route table selected. The table has two entries:

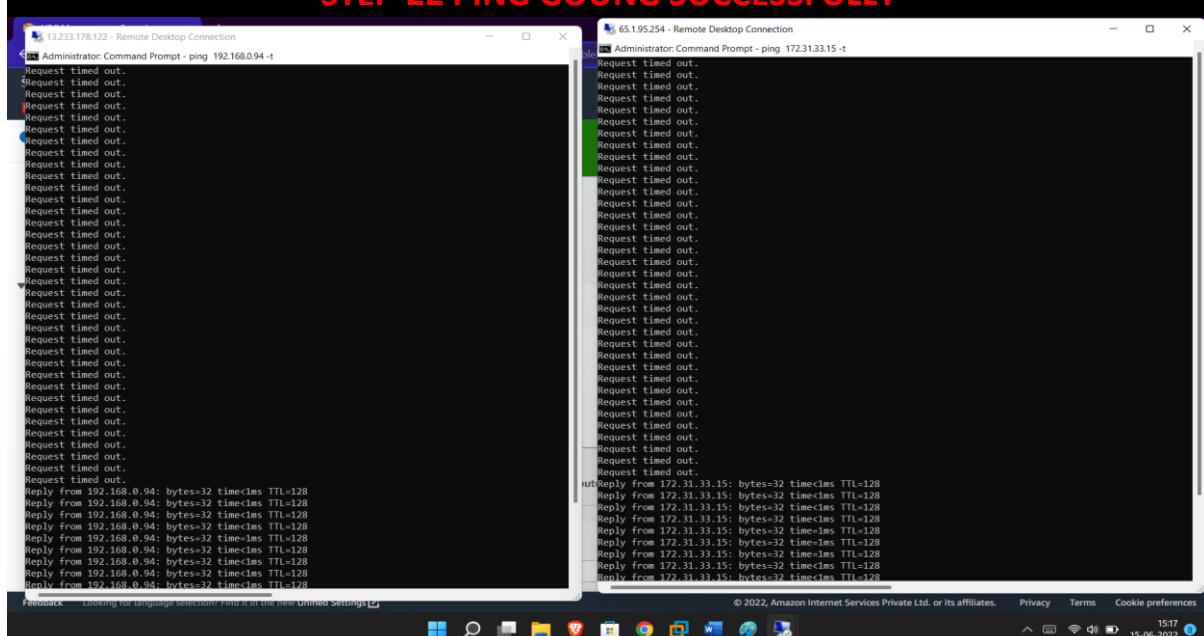
Destination	Target	Status	Propagated
192.168.0.0/24	local	Active	No
172.31.0.0/16	pcx-0d2ab1c754c24dfd9	Active	No
0.0.0.0/0	igw-040629fc2b052ad9a	Active	No

Step-21 open D-RT route and assign C-RT IP

The screenshot shows the AWS Route Tables console with the D-RT route table selected. The table has three entries:

Destination	Target	Status	Propagated
192.168.0.0/24	pcx-0d2ab1c754c24dfd9	Active	No
172.31.0.0/16	local	Active	No
0.0.0.0/0	igw-0a4f579f49155b9be	Active	No

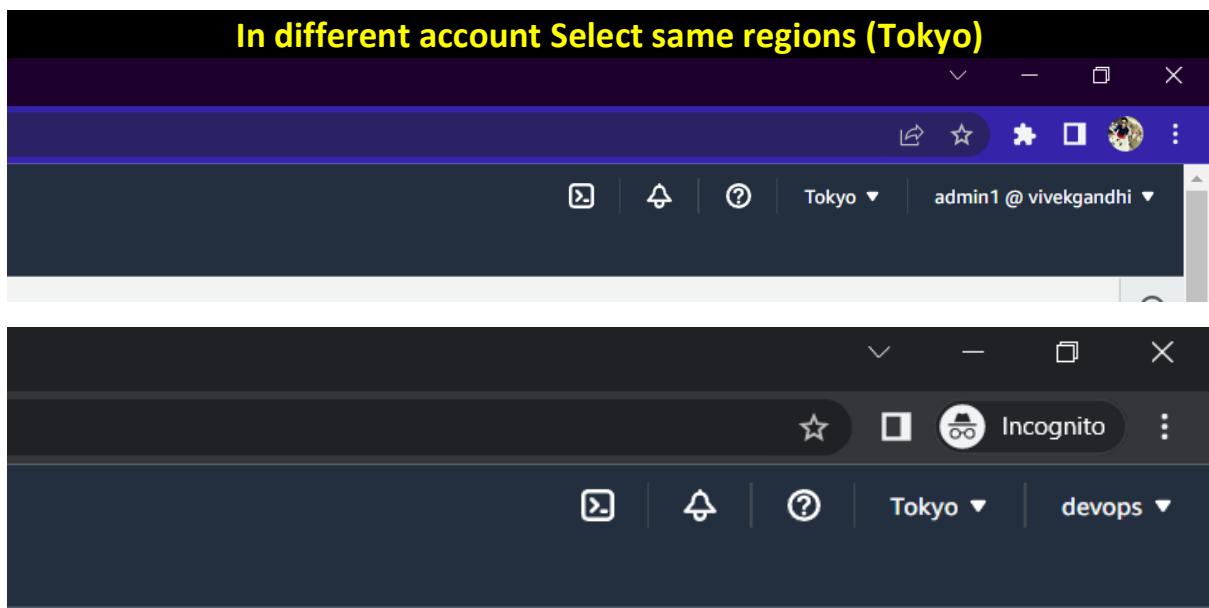
STEP-22 PING GOUNG SUCCESSFULLY



VPC PEERING

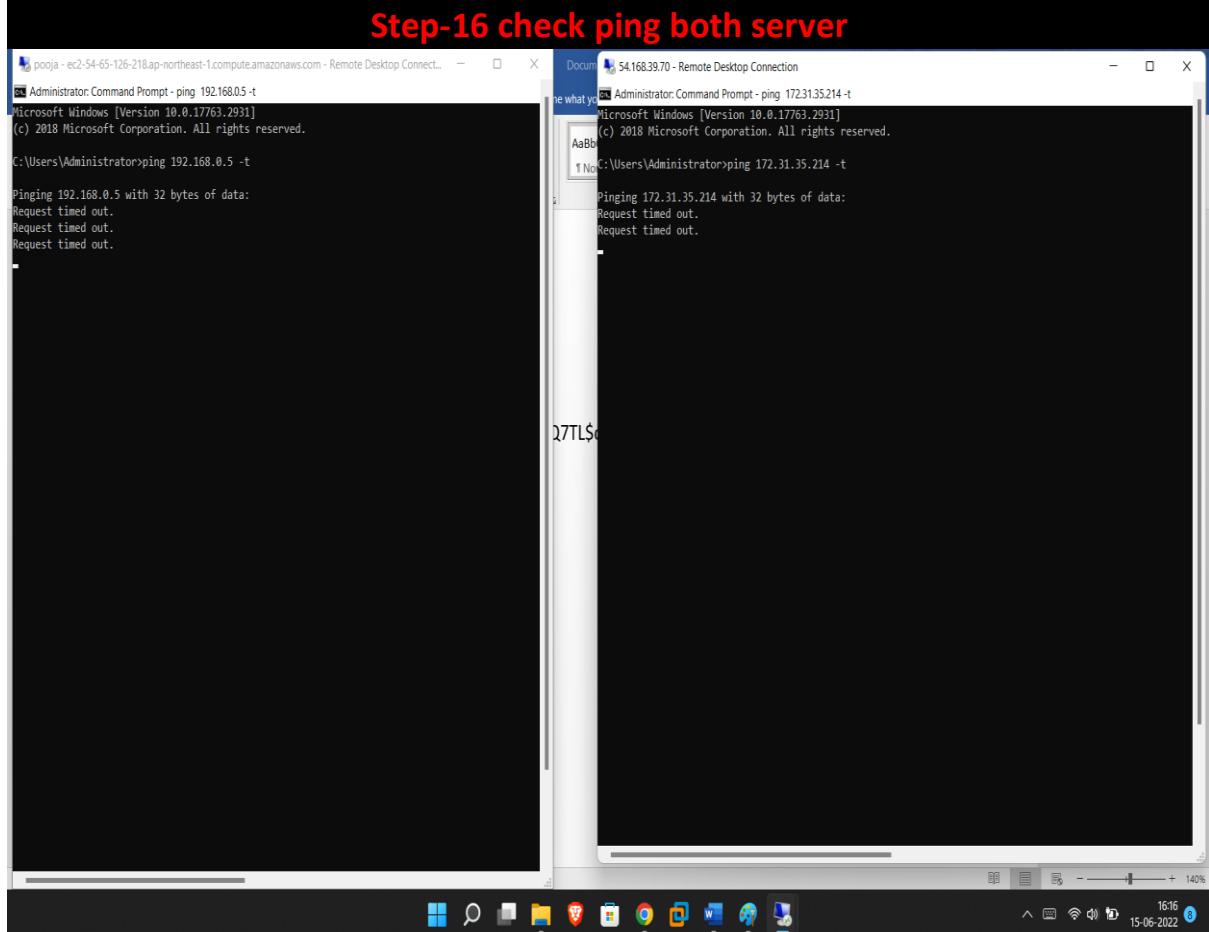
3. Different account and same region peering

In different account Select same regions (Tokyo)



Steps 1 to 15 of the above are configured in a similar way, in this, the configuration has been changed from 16 more steps, so I will start with 16 more steps in direct

Step-16 check ping both server



VPC PEERING

Step-17 configure another account or same region in peering

Select another VPC to peer with

Account

- My account
- Another account

Account ID

659202326636

Region

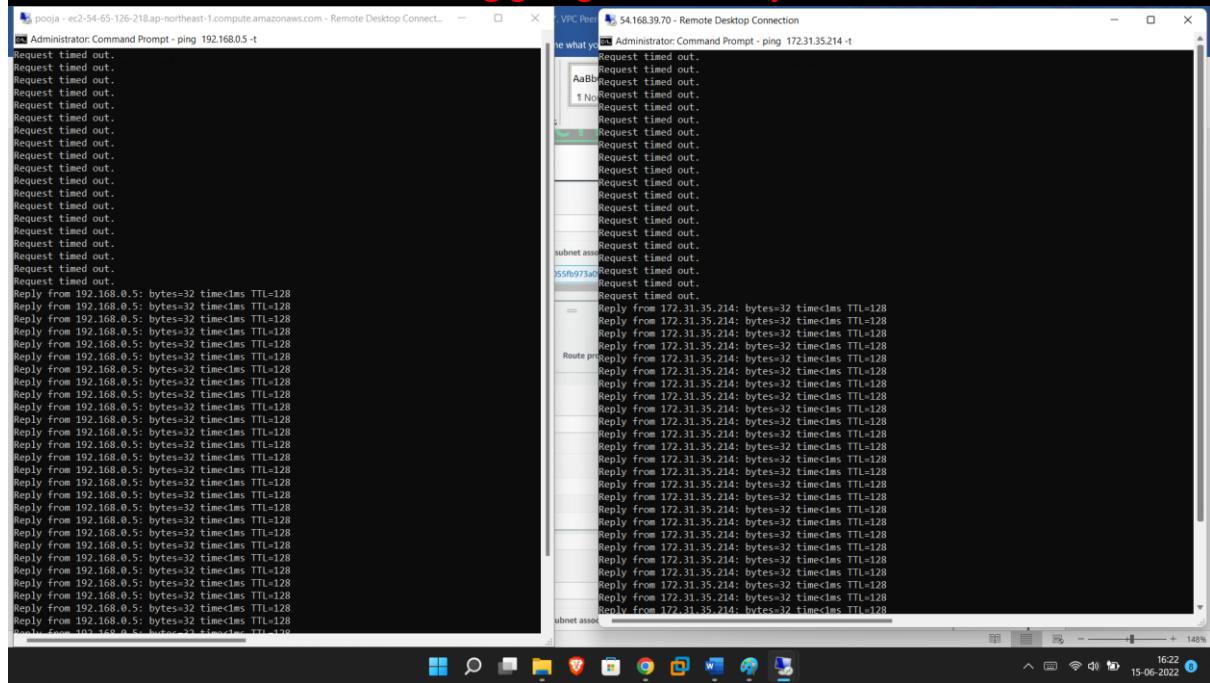
- This Region (ap-northeast-1)
- Another Region

VPC ID (Acceptor)

vpc-08c75e55dd50fdf00

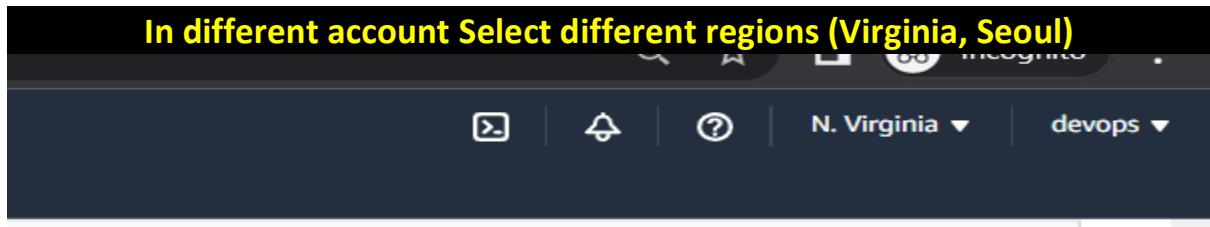
Step-18 to 21 same step follows (assign peering & route add both side)

Ping going successfully

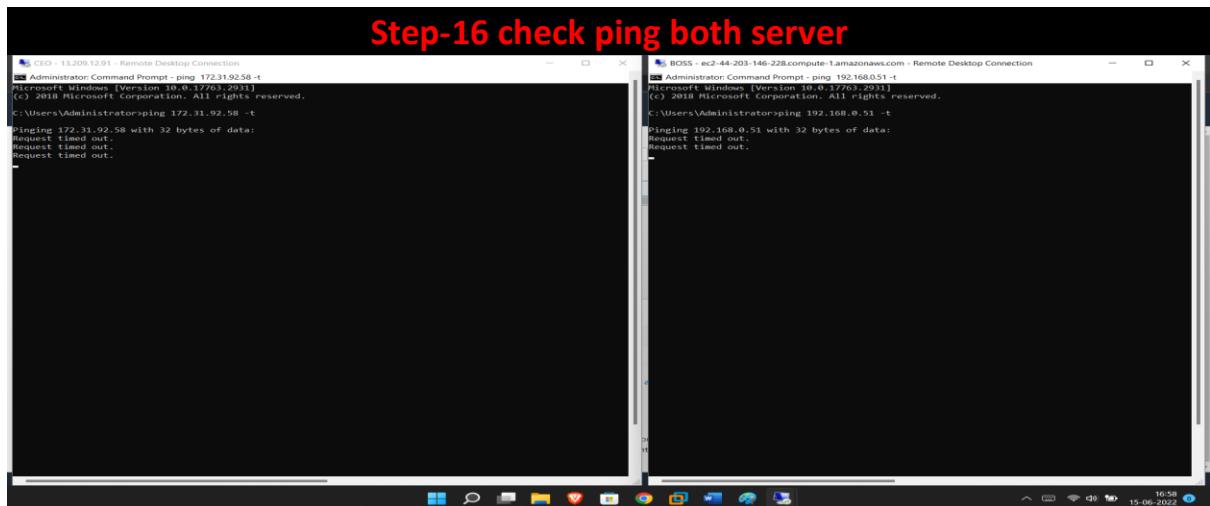


VPC PEERING

4. Different account and different region peering



Steps 1 to 15 of the above are configured in a similar way, in this, the configuration has been changed from 16 more steps, so I will start with 16 more steps in direct



Step-17 configure another account or different region in peering

Select another VPC to peer with

Account

- My account
- Another account

Account ID

659202326636

Region

- This Region (us-east-1)
- Another Region

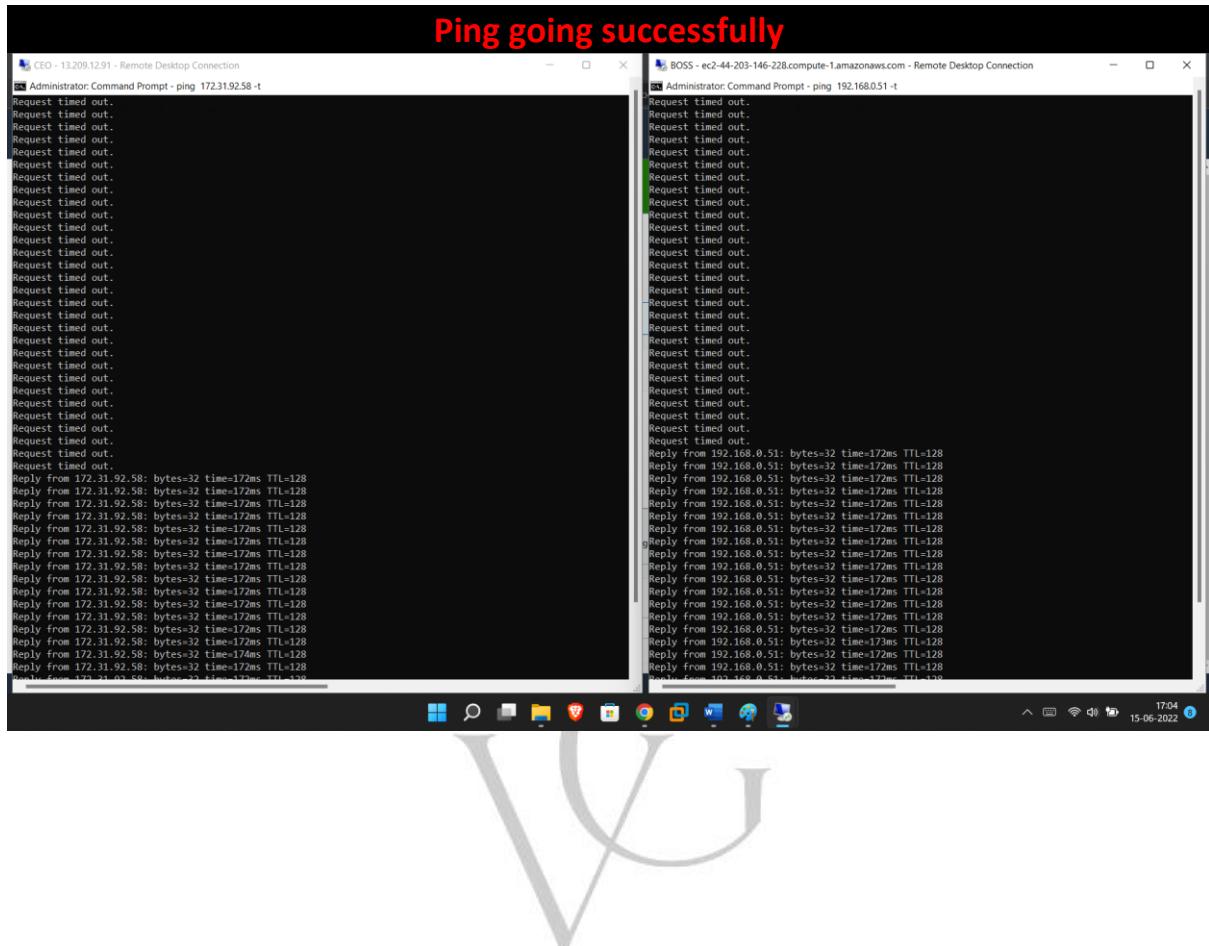
Asia Pacific (Seoul) (ap-northeast-2)

VPC ID (Acceptor)

vpc-0d8c0dd1b7a89a81d

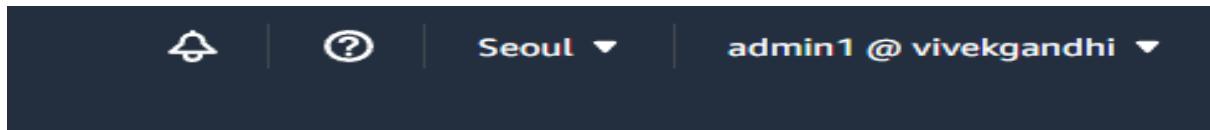
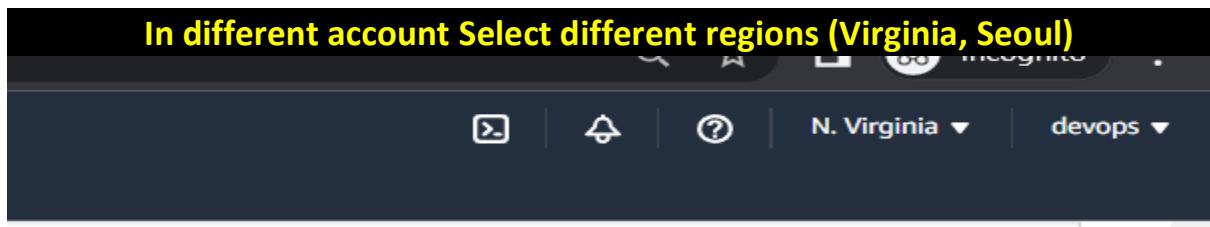
VPC PEERING

Step-18 to 21 same step follows (assign peering & route add both side)



VPC PEERING

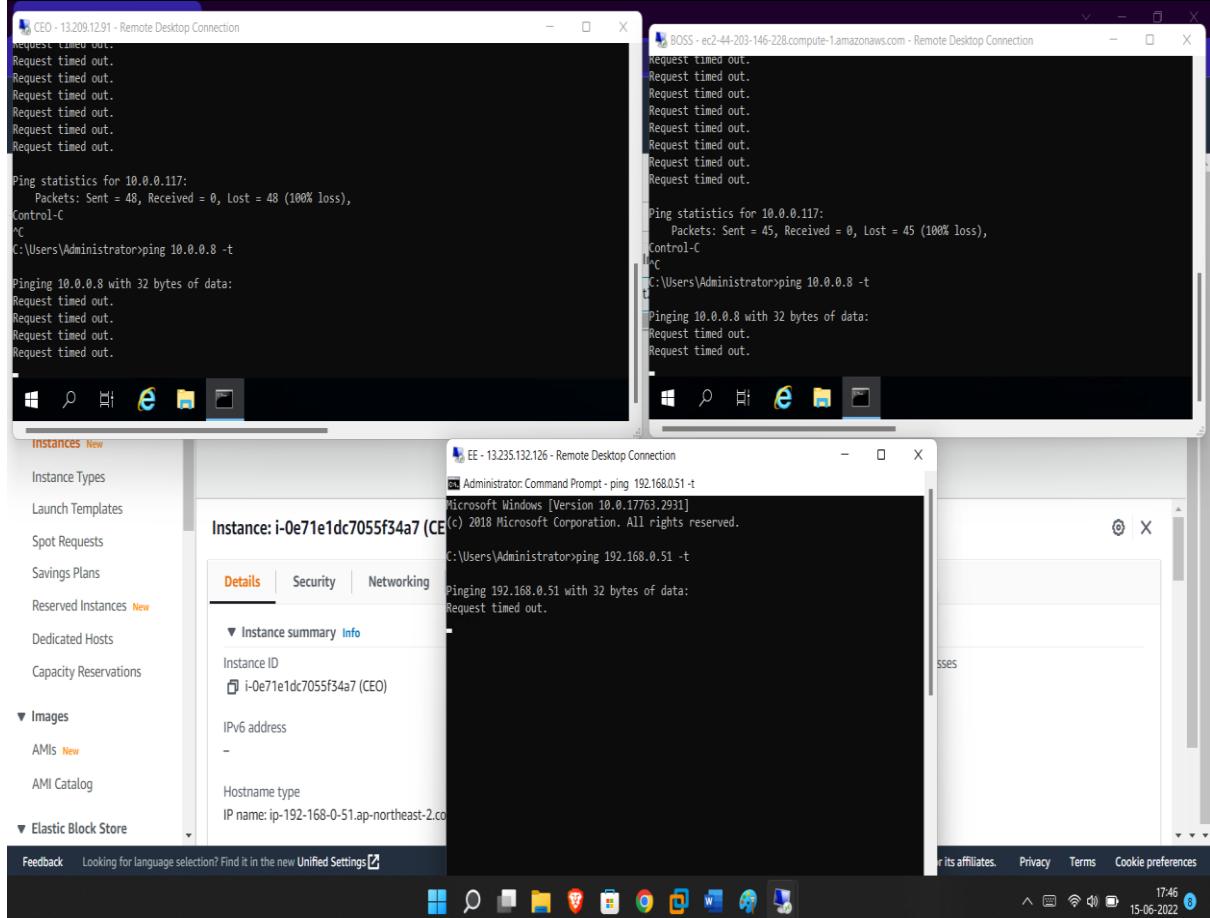
5. Different account and different multiple region peering



Both peeing successfully communicates than after create new account and try to communicate Seoul to Mumbai region in both different account



Not going ping (Seoul to Mumbai) (Virginia to Mumbai) (Mumbai to Seoul)



VPC PEERING

Create peering to Mumbai side

Select another VPC to peer with

- Account
- My account
 - Another account

Account ID

659202326636

Region

- This Region (ap-south-1)
- Another Region

Asia Pacific (Seoul) (ap-northeast-2)

VPC ID (Acceptor)

vpc-0d8c0dd1b7a89a81d

Accept peering to Seoul side

Peering connections (1/2) Info				Actions		Create peering connection	
Filter peering connections							
Name	Peering connection ID	Status	Requester VPC				
<input checked="" type="radio"/> -	pcx-0ddd1e44f71a307df	Pending acceptance	vpc-0f3071cee012e8683				

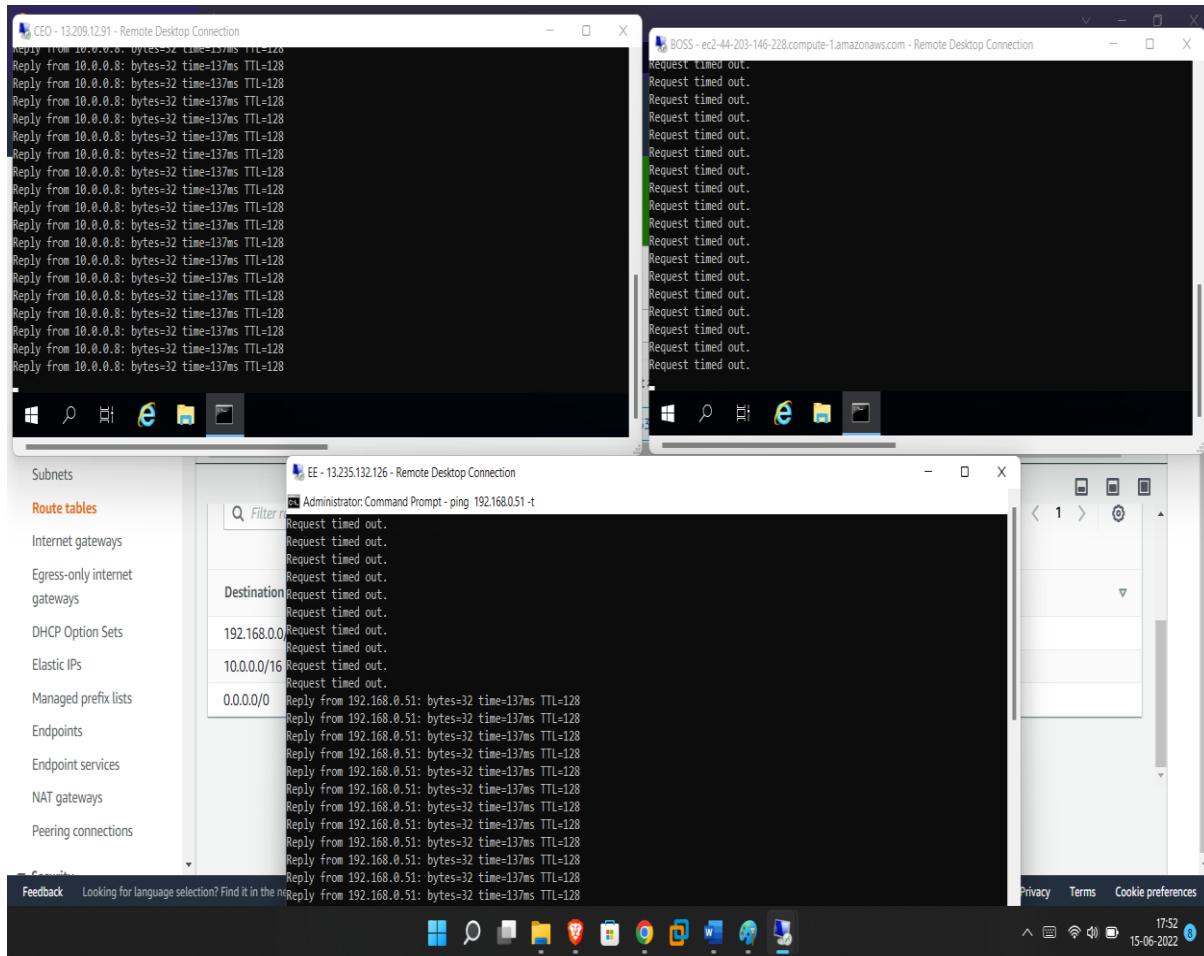
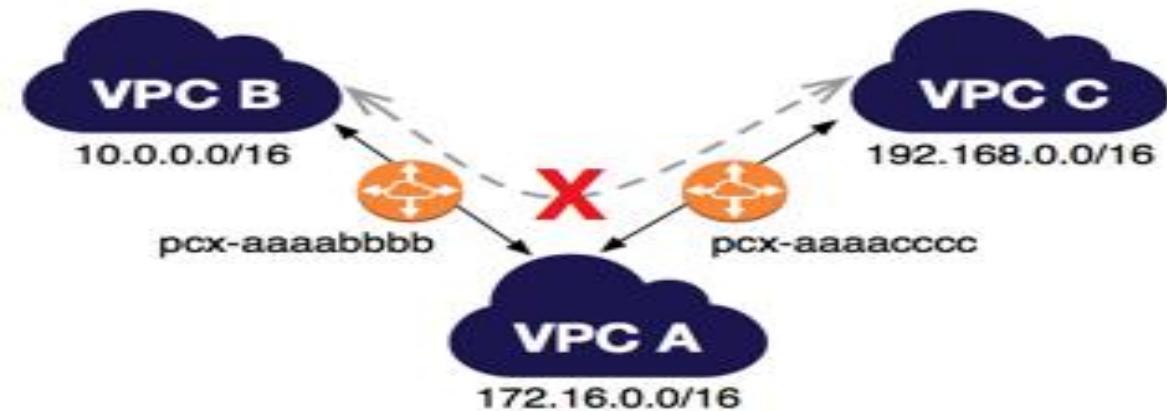
Peering connections (1/2) Info						Actions		Create peering connection	
Filter peering connections									
Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDR				
<input type="radio"/> employee	pcx-0ddd1e44f71a307df	Active	vpc-0f3071cee012e8683	vpc-0d8c0dd1b7a89a81d / CEO	10.0.0.0/16				

Seoul side route table configuration (Mumbai side configuration done)

Route tables (1/1) Info							Actions		Create route table	
Filter route tables										
✓	Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC				Owns
<input checked="" type="checkbox"/>	CEO	rtb-08561d65421c3ab20	subnet-0fa1d56765703...	-	Yes	vpc-0d8c0dd1b7a89a81d CEO	659202326636			

Destination	Target	Status	Propagated
192.168.0.0/24	local	Active	No
172.31.0.0/16	pcx-0d3361f8120012ee5	Active	No
10.0.0.0/16	pcx-0ddd1e44f71a307df	Active	No
0.0.0.0/0	igw-0e7533da7a8199667	Active	No

VPC PEERING



VPC PEERING

If you want to communication all each other then peering establish to Mumbai to Virginia then communicate each other

Peering with Mumbai to Virginia

Select another VPC to peer with

Account

- My account
- Another account

Account ID

154477793701

Region

- This Region (ap-south-1)
- Another Region

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

VPC ID (Acceptor)

vpc-0e4d1e5d2d519a752

Peering active Mumbai to Virginia

Peering connections (2) [Info](#)

[Create peering connection](#)

Filter peering connections

< 1 >

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDRs	Acceptor CIDRs
employee	pcx-0dc1e2ba66776bb1a	Active	vpc-0f3071cee012e8683	vpc-0e4d1e5d2d519a752 / B...	10.0.0.0/16	172.31.0.0/16
boss	pcx-0d3361f8120012ee5	Active	vpc-0e4d1e5d2d519a752 / B...	vpc-0d8c0dd1b7a89a81d	172.31.0.0/16	192.168.0.0/24

Virginia side route table configuration

Route tables (1/1) [Info](#)

[Create route table](#)

Filter route tables

< 1 >

Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Owner ID
BOSS	rtb-013f0b4380208959	subnet-0909d2c0ade2b...	-	Yes	vpc-0e4d1e5d2d519a752 BO...	154477793701

Routes (4)

[Edit routes](#)

Filter routes

Both

< 1 >

Destination	Target	Status	Propagated
192.168.0.0/24	pcx-0d3361f8120012ee5	Active	No
172.31.0.0/16	local	Active	No
10.0.0.0/16	pcx-0dc1e2ba66776bb1a	Active	No
0.0.0.0/0	igw-0d70d3ee4f41363c0	Active	No

VPC PEERING

Mumbai side configuration

Route tables (1/1) [Info](#)

E-R rtb-037fb71bcf184ba4a subnet-05379538ad7e5... - Yes vpc-0f3071cee012e8683 | EM...

Destination	Target	Status	Propagated
192.168.0.0/24	pcl-0dd1e44f71a307df	Active	No
172.31.0.0/16	pcl-0dc1e2ba66776bb1a	Active	No
10.0.0.0/16	local	Active	No
0.0.0.0/0	igw-0dc27676e597215aa	Active	No

Communication establishes successfully

The image contains three screenshots of AWS CloudWatch logs and a Windows taskbar.

- Screenshot 1:** A CloudWatch log stream titled "CEO - 13.209.12.91 - Remote Desktop Connection". It shows multiple "Reply from 10.0.0.8: bytes=32 time=137ms TTL=128" entries, indicating successful communication between the CEO instance and the BOSS instance.
- Screenshot 2:** A CloudWatch log stream titled "BOSS - ec2-44-203-146-228.compute-1.amazonaws.com - Remote Desktop Connection". It shows similar "Reply from 10.0.0.8: bytes=32 time=137ms TTL=128" entries.
- Screenshot 3:** A screenshot of a Windows taskbar. It shows the "EE - 13.235.132.126 - Remote Desktop Connection" window, which displays a command prompt with the output of the "ping 192.168.0.51" command. The ping results show successful communication between the local instance and the BOSS instance.

VPC PEERING

If any reject peering

Peering connections (1/3) [Info](#)

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Actions	Create peering connection
boss	pcx-0d3361f8120012ee5	Active	vpc-0e4d1e5d2d519a752 / BOSS	vpc-0d8c0dd1b7a89a81	View details	Accept request
employee	pcx-0dc1e2ba6676bb1a	Deleted	vpc-0f3071cee012e8683	vpc-0e4d1e5d2d519a75	Edit DNS settings	192.168.0.0/24
-	pcx-007f3d9b241fb23e5	Pending acceptance	vpc-0f3071cee012e8683	vpc-0e4d1e5d2d519a75	Edit ClassicLink settings	-
					Manage tags	-
					Delete peering connection	

Reject VPC peering connection request [Info](#)

Are you sure you want to reject this VPC peering connection request? (pcx-007f3d9b241fb23e5)

Requester VPC vpc-0f3071cee012e8683	Acceptor VPC vpc-0e4d1e5d2d519a752 / BOSS	Requester CIDRs 10.0.0.0/16
Acceptor CIDRs -	Requester Region Mumbai (ap-south-1)	Acceptor Region N. Virginia (us-east-1)
Requester owner ID 659202326636	Acceptor owner ID 154477793701 (This account)	

[Cancel](#) [Reject request](#)

Peering connections (1/3) [Info](#)

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDR
em	pcx-0ddd1e44f71a307df	Active	vpc-0f3071cee012e8683 / EM...	vpc-0d8c0dd1b7a89a81d	10.0.0.0/16
e to b	pcx-007f3d9b241fb23e5	Rejected	vpc-0f3071cee012e8683 / EM...	vpc-0e4d1e5d2d519a752	-
employee to boss	pcx-0dc1e2ba66776bb1a	Deleted	vpc-0f3071cee012e8683 / EM...	vpc-0e4d1e5d2d519a752	-