Create Three VPC's and Connect the Three VPC's Using Transit Gateway

What is Amazon VPC?

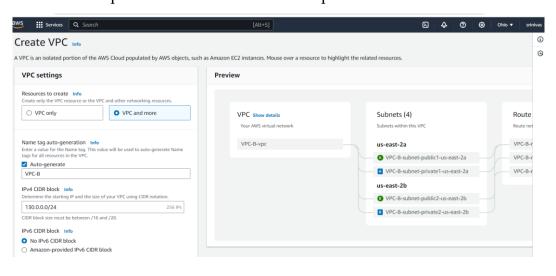
With Amazon Virtual Private Cloud (Amazon VPC), you can launch AWS resources in a logically isolated virtual network that you've defined. This virtual network closely resembles a traditional network that you'd operate in your own data center, with the benefits of using the scalable infrastructure of AWS.

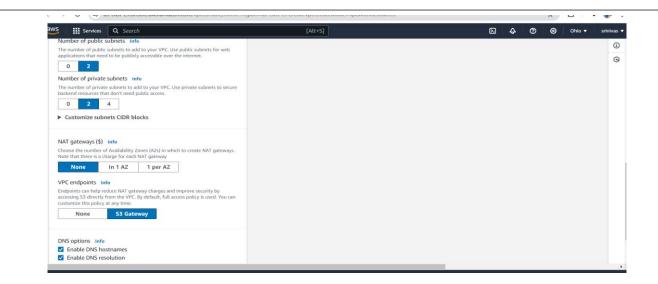
What is Transit Gateway?

A transit gateway is a network transit hub that you can use to interconnect your virtual private clouds (VPCs) and on-premises networks. As your cloud infrastructure expands globally, inter-Region peering connects transit gateways together using the AWS Global Infrastructure.

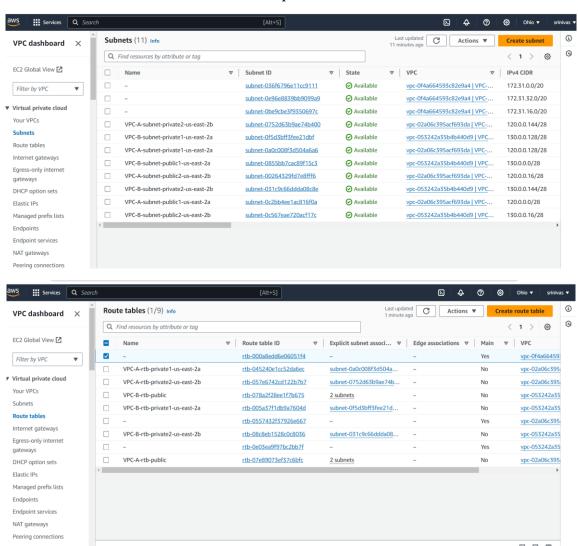
Create Virtual Private Network

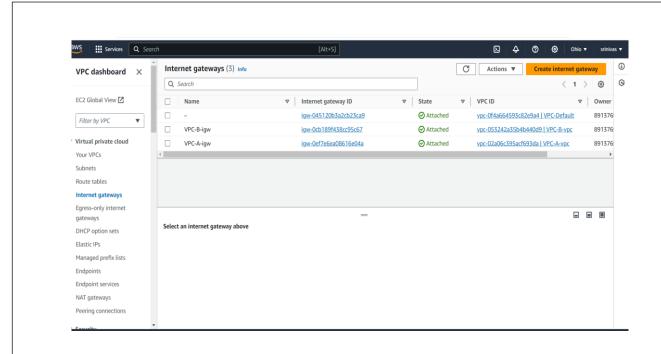
- 1. Log in your Aws Account & search for VPC in the search box.
- 2. Click on Create VPC & select VPC More.
- 3. Follow the steps mentioned in the below snapshots.





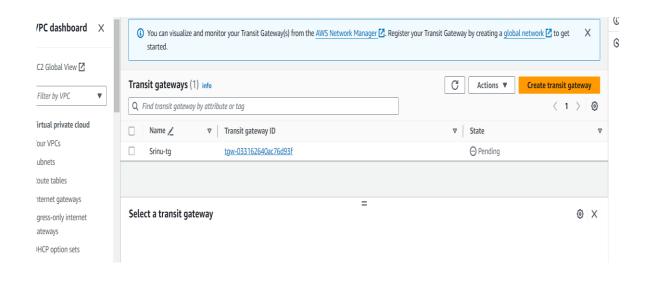
4. Some subnet & Route Tables & IGW Snapshots are mentioned below:





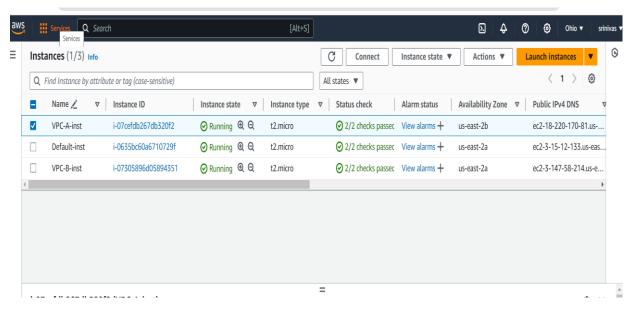
Create Transit Gateway:

- 1. Go to Transit Gateway and select "Create Transit Gateway".
- 2. Now, Create Two Transit Gateway Attachments and attach to Transit Gateway.
- 3. Some snapshots are attached below.



Create EC2 Instance:

- 1. Create Three EC2 Instances for Three VPC's.
- 2. Go to instance -- Launch Instance create key pair Network -- select AZ Select Security Group Launch Instance
- 3. Some EC2 Snapshots are attached below.



- 4. After creating 3 EC2 Instances & Copy the SSH.
- 5. Paste it in the Git bash and Connect.

OUTPUT:

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   29 root
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oot@ip-172-31-0-154 html]# ^C
oot@ip-172-31-0-154 html]# curl 120.0.0.25:80
is server is from VPC-A
oot@ip-172-31-0-154 html]#
```

```
[1]+ Stopped vi index.html
[root@ip-120-0-0-25 html]#
[root@ip-120-0-0-25 html]# rm index.html
rm: cannot remove 'index.html': No such file or directory
[root@ip-120-0-0-25 html]# vi index.html
[root@ip-120-0-0-25 html]# systemctl restart nginx
[root@ip-120-0-0-25 html]# curl 172.31.0.154:80
This server is from Default VPC
[root@ip-120-0-0-25 html]# \curl 130.0.0.25:80
\( \lambda \)
[root@ip-120-0-0-25 html]# curl 172.31.0.154:80
This server is from Default VPC
[root@ip-120-0-0-25 html]# curl 172.31.0.154:80
```