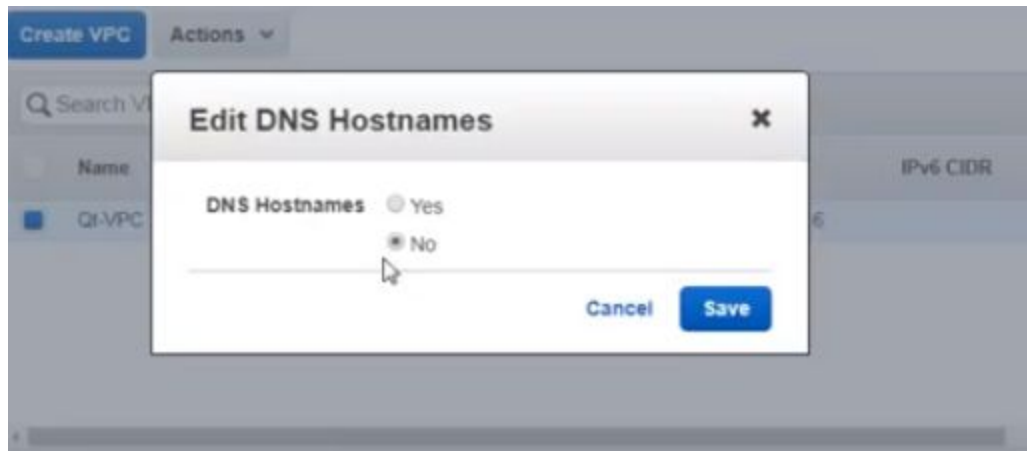Egress only internet gateway
      Complete vpc should not be in public network there we need egress ig
Endpoints
      Use for an application and expose only specific port there we use endpoint and endpoint services,also use when enable proxy services but not vpc services

Edit both dns host name and dhcp options set
For any machine by default dhcp disable we need to make it yes and enable
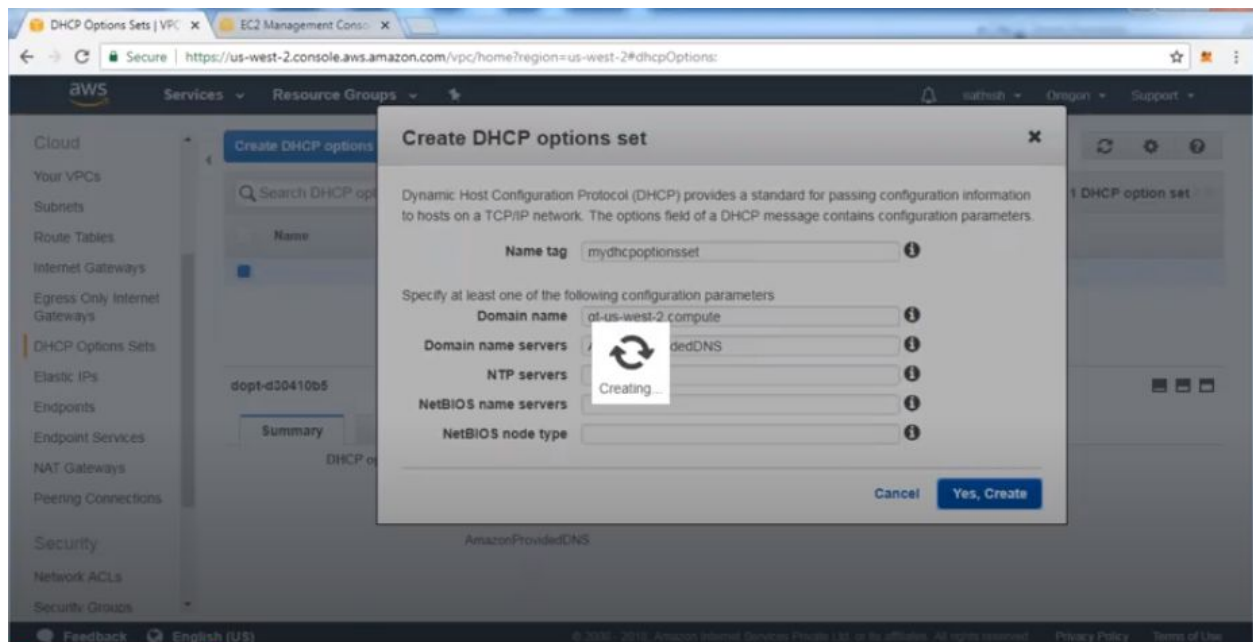
We mostly use in hybrid cloud- DHCP OPTION SET

To connect two vpc default vpc with another vpc that also in private ip communication-for this we use VPN ,site to site vpn is use for connect two site
Work from home we use cisco vpn or altace vpn is called point to side

VPC Peering

1. Enable communication between two amazon vpc network
2. VPC should not have same cidr range
3. You can communicate from one vpc to another by using a private ip address not by public ip.
4. Site to site vpn communicate.
5. Peering possible if two vpc in the same region or across region even from different accounts..

CIDRs	CIDR	Status	Status Reason
	192.168.0.0/16	● associated	

Select another VPC to peer with

Account	● My account
	○ Another account
Region	● This region (us-west-2)
	○ Another Region
VPC (Accepter)*	[ ] ▼ C

* Required   Cancel   **Create Peering Connection**

Nacl also need to change

Create Network ACL   Delete   C ✿ ❓

🔍 Search Network ACLs and the ✕   1 to 2 of 2 Network ACLs

	Name	Network ACL ID	Associated With	Default	VPC
■	Trail	acl-0725f7b92404da4...	1 Subnet	No	vpc-0e055d2ee1b7b998f	Qt-VPC
☐		acl-06817dfa3181f586d	2 Subnets	Yes	vpc-0e055d2ee1b7b998f	Qt-VPC

110	ALL Traffic	▼	ALL	▼	ALL	35.25.0.0/16	❶	DENY ▼	○
120	SSH (22)	▼	TCP (6)	▼	22	0.0.0.0/0	❶	ALLOW ▼	○
130	HTTP (80)	▼	TCP (6)	▼	80	0.0.0.0/0	❶	ALLOW ▼	○
102	ALL Traffic	▼	ALL	▼	ALL	172.31.0.0/16	❶	ALLOW ▼	○

Add

Now go to route table and for private route table we need to add peering connection

'

Do the same for default route table

Do the same for other vpc route table also

VPC Dashboard

Filter by VPC:

vpc-0e055...

vpc-0e055d2ee1b7b998f
Qt-VPC

Virtual Private
Cloud

Your VPCs

Subnets

Route Tables

Internet Gateways

Egress Only Internet
Gateways

DHCP Options Sets

Elastic IPs

Create Route Table Delete Route Table Set As Main Table

Search Route Tables and thei ✕

1 to 2 of 2 Route Tabl

	Name	Route Table ID	Explicitly Associat	Main	VPC
		rtb-086fe5594030e...	0 Subnets	Yes	vpc-0e055d2ee1b7b998f | Qt-VPC
■	Private-RT	rtb-05367e6daf339...	2 Subnets	No	vpc-0e055d2ee1b7b998f | Qt-VPC

rtb-05367e6daf3390075 | Private-RT

Summary	**Routes**	Subnet Associations	Route Propagation	Tags

Edit ✓ Save Successful

View: All rules ▼

Destination	Target	Status	Propagated
192.168.0.0/16	local	Active	No
0.0.0.0/0	nat-0df09d1d0e8e2b528	Active	No
172.31.0.0/16	pcx-0f7a01fbf4b81d2a5	Active	No

Do the same for default route

Create Route Table Delete Route Table Set As Main Table

Search Route Tables and thei ✕

	Name	Route Table ID	Explicitly Associat	Main	VPC
■		rtb-086fe5594030e...	0 Subnets	Yes	vpc-0e055d2ee1b7b998f | Qt-VPC
	Private-RT	rtb-05367e6daf339...	2 Subnets	No	vpc-0e055d2ee1b7b998f | Qt-VPC

rtb-086fe5594030e53b3

Summary	**Routes**	Subnet Associations	Route Propagation	Tags

Edit ✓ Save Successful

View: All rules ▼

Destination	Target	Status	Propagated
192.168.0.0/16	local	Active	No
0.0.0.0/0	igw-01e467d16b1dcaa31	Active	No
172.31.0.0/16	pcx-0f7a01fbf4b81d2a5	Active	No

A**mazon LightSail**

Virtual servers, storage, databases, and networking for a low, predictable price.

https://lightsail.aws.amazon.com/ls/webapp/home/instances

VPC
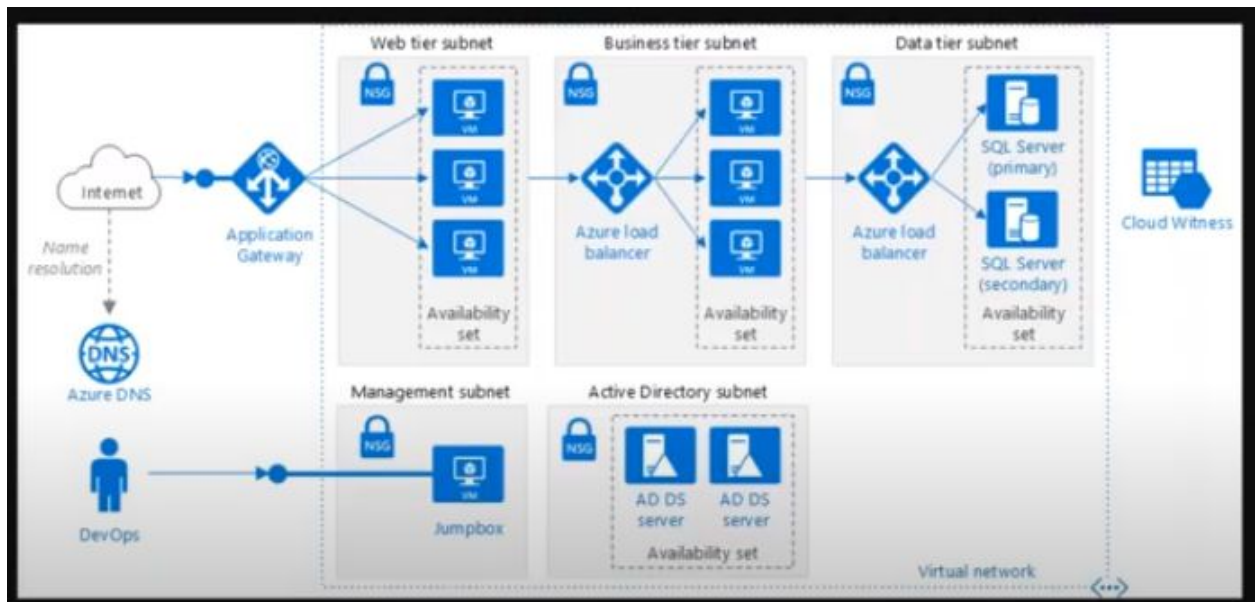
4 subnet
  Web tier -Public
  Business -Private
  Data -Private
  Management -Public Subnet

Create a VPC
Create 4 Subnet
Create Internet Gateway(IG) and attach
Create Route Table
   Public
   Private
Create NACL for web tier
   Which accepts communication from 192.168.0.0./24
Create NACL for business tier
  Which accept communication from web tier and management tier
  192.168.0.0/24
  192.168.1.0/24
Create NACL for management subnet
   0.0.0.0./0 ALLOW
   192.168.1.0/24 Deny
Create NAT gateway because business tier and web tier should get internet