**LAB - VPC Peering**

**Setup Up network**

1. Create a vpc with CIDR(network range) 10.32.0.0/16 🡪MyVPC
   1. Security Group will be created
   2. Network ACL (Network Access Control List)
   3. Default Public Route table 🡪PublicRT
2. Create 1 public subnets
   1. Use CIDR 10.32.0.0/24 🡪 PubSub-1a
3. Create 1 private subnets
   1. Use CIDR 10.32.2.0/24 🡪 PrivSub-1b
4. Internet Gateway (IGW) 🡪 MyIGW
5. NAT gateway (NATGW) 🡪 MyNAT
6. Rename default route table to Pub-RT
7. Create 1 more Route table 🡪 Priv-RT
8. Configure Subnets with public-RT and private-RT
9. Deploy EC2 Linux instance inside new network

**Peering connectivity setup**

1. **Transit Gateway VPC peering setup**
   1. Create transit gateway
   2. Create transit gateway VPC attachment
   3. Create transit gateway peering attachment

**Configuring Routing for transit gateway VPC peering**

1. **Security Group**
2. **Transit Gateway Route table**
3. **VPC route table**

Test by logging into server and ping

**Traditional VPC Peering setup**

1. **Create VPC peering connection**

**Configuring Routing for VPC to VPC peering**

1. **Security Group**
2. **VPC route table**

Test by logging into server and ping