Same Region VPC Peering

- Step 1: Check Prerequisites
 - Ensure both VPCs:
 - Are in the same AWS account (or have correct cross-account permissions)
 - Have non-overlapping CIDR blocks (e.g., 10.0.0.0/16 and 10.1.0.0/16)
- Step 2: Create Two VPC

Test-VPC: 10.0.0.0/16Prod-VPC: 192.168/.0.0/16

- Create Public subnet in both the VPC
- Create route table for both the subnets
- Create Internet gateway and add in the route table of both subnets
- ✓ Step 3 : Create Two EC2 Instances
 - Create first instance in test VPC
 - Create second instance in Prod VPC
- ✓ Step 4: Configuration for Peering Connection
 - Add Peering Connection in both VPC route table with ip of test-vm in prod-vpc route table and vice versa
 - Edit the security group of both instances add ICMP protocol in both SG
 - Add CIDR of test-vpc as the range of ICMP in Prod-instance SG
 - Add CIDR of prod-vpc as the range of ICMP in Test-instance SG
 - ✓ Step 5 : Create VPC Peering Connection
 - 1. Go to AWS Console > VPC

- 2. In the sidebar, click Peering Connections
- 3. Click Create Peering Connection
- 4. Fill in:
 - Name tag (optional but helpful)
 - Requester VPC (select one of your VPCs)
 - o Accepter VPC
- 5. Click Create Peering Connection
- ✓ Step 6: Accept the Peering Request

If it's in the same account, go back to:

- Peering Connections
- Select the new peering
- Click Actions > Accept Request
- ✓ Step 7: Test the Connection

Ping <id of test-instance> Ping <id of prod-instance>

