**Create Virtual Cloud Network**

Navigate to Oracle Cloud - Select - Networking - Virtual Cloud Networks

Create VCN

Name - demo-vcn

IPV4 CIDR's - 10.0.0.0/16

DNS Resolution - Use DNS hostnames in this VCN

Create VCN

**Create Internet gateway**

Create internet gateway - Name - demo-igw

Create in compartment - select - your compartment

Then - Create and Associate to PublicRT

**Create Route table for Public subnets**

Select your VCN - Route table

Create Route table - Name - PublicRT - Create

Select - PublicRT - Add route rules

Target type - internet gateway

Destination CIDR - 0.0.0.0/0

Target internet gateway - select your internet gateway

Add route rules

**Create Route table for Private subnets**

Select your VCN - Route table

Create Route table - Name - PrivateRT - Create

//Add route rules if you created NAT Gateway

**Create 3 Public & Private subnets**

Create subnet - Name - PublicSubnet-1

Subnet type - Regional

IPV4 CIDR - 10.0.0.0/28

Route table - PublicRT

Select - Public Subnet

DNS Resolution - Use DNS hostnames in this SUBNET

Create Subnet

Create subnet - Name - PublicSubnet-2

Subnet type - Regional

IPV4 CIDR - 10.0.0.16/28

Route table - PublicRT

Select - Public Subnet

DNS Resolution - Use DNS hostnames in this SUBNET

Create Subnet

Create subnet - Name - PublicSubnet-3

Subnet type - Regional

IPV4 CIDR - 10.0.0.32/28

Route table - PublicRT

Select - Public Subnet

DNS Resolution - Use DNS hostnames in this SUBNET

Create Subnet

Create subnet - Name - PrivateSubnet-1

Subnet type - Regional

IPV4 CIDR - 10.0.0.48/28

Route table - PrivateRT

Select - Private Subnet

DNS Resolution - Use DNS hostnames in this SUBNET

Create Subnet

Create subnet - Name - PrivateSubnet-2

Subnet type - Regional

IPV4 CIDR - 10.0.0.64/28

Route table - PrivateRT

Select - Private Subnet

DNS Resolution - Use DNS hostnames in this SUBNET

Create Subnet

Create subnet - Name - PrivateSubnet-3

Subnet type - Regional

IPV4 CIDR - 10.0.0.80/28

Route table - PrivateRT

Select - Private Subnet

DNS Resolution - Use DNS hostnames in this SUBNET

Create Subnet