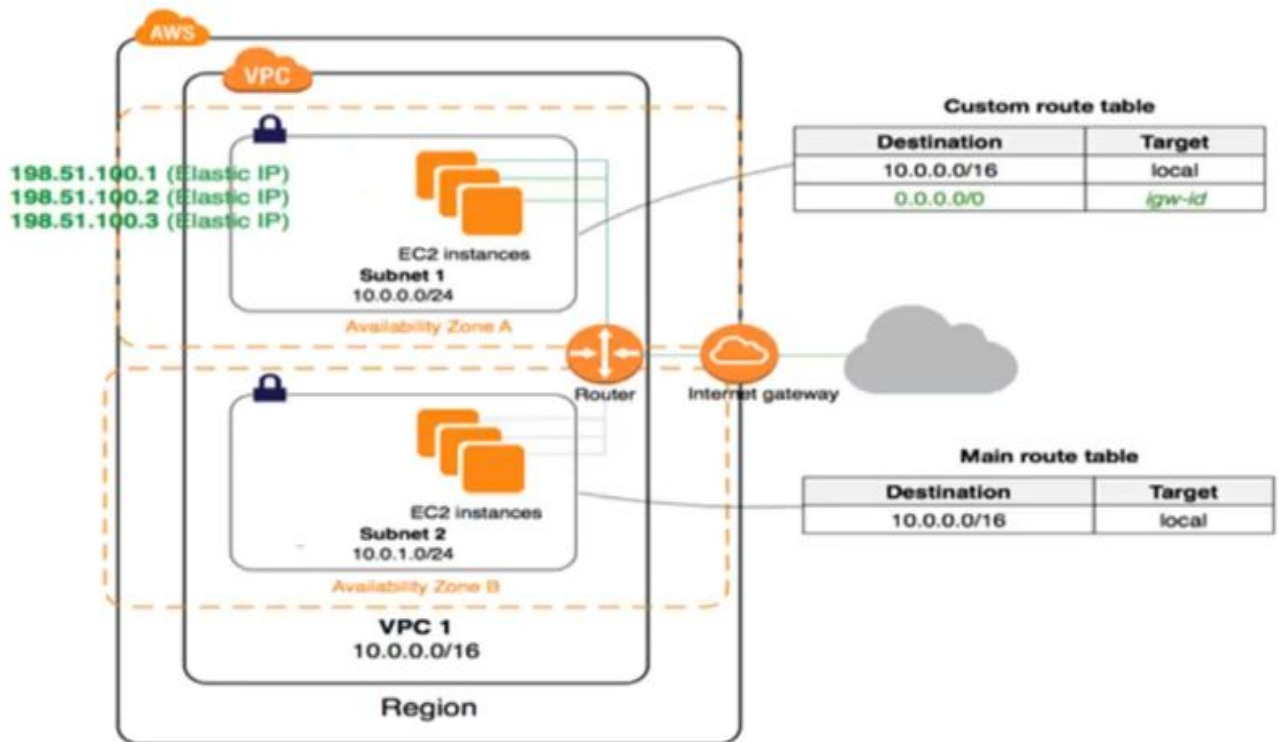


VPC Scenario



[Steps to Follow]

1. Network->VPC
 - A. Check/Note **Default** VPC, Subnet, Internet Gateway, Routing Table, Network ACLs, Security Options, DHCP Option Set
2. Create new VPC (MyVPC)
 - A. IPV4 CIDR Block range (10.0.0.0/16) with default Tenancy
 - B. Check all the fields of new VPC
 - C. Check Route Table, Network ACLs, Security Groups
 - D. No Subnet Created and Internet Gateway
3. Create 2 Subnet Name (10.0.1.0-AP S 1A & 10.0.2.0-AP S 1B) in New custom VPC (1p-s-1a and 1b)
 - A. IPV4 CIDR Block- 10.0.1.0/24 and 10.0.2.0/24
 - B. 1 Subnet in 1 Availability zone. Check new subnet details
4. Create Internet Gateway (MyInternetGateway)
 - A. Attach to VPC [I Gateway only for 1VPC]
5. Create Route Table (MyPublicRoute) from subnet ->Internet Gateway
 - A. Edit (save)/Add new Route (0.0.0.0/0) and Target (MyInternetGateway)

VPC Scenario

- B. Subnet Association (Public -1A Subnet-> Internet Gateway)
- C. Go to Subnet and (Right side> auto assign public IPv4 address enable from Actions button- Auto-assign IPv4)
- 6. Launch One EC2 instance in Public Subnet
 - A. Amazon AMI (Free Tier) , change to new VPC and Public subnet)
 - B. Advance Details [Add the text in next slide]

```
#!/bin/bash
yum install httpd -y
yum update -y
service httpd start
chkconfig httpd on
echo "<html><h1>Hello World!</h1> </html>" > /var/www/html/index.html
```
 - C. Add default Storage and Add Tag (Name -> Webserver)
 - D. Security group Name and Desc. (WebSec) and Add HTTP Protocol
 - E. Download new private key pair (WebSec.pem) & Launch Instance
 - F. Write auto created IPv4 address in browser (Result)
- 7. Launch One EC2 instance Private instance
 - A. Create Amazon AMI (Free Tier) instance
 - B. Choose Custom VPC and Private Subnet with no auto assign IP address
 - C. Add storage and Add Tag (Name-> DBServer) [Private Access]
 - D. Add Security group protocol for the following (with Public-IP Address)
 - 1. SSH – 10.0.1.0/24
 - 2. MySQL-10.0.1.0/24
 - 3. ICMP-IPv4- 10.0.1.0/24
 - 4. ICMP-IPv4- 10.0.1.0/24
 - E. Download the DB Key pair (WebSec.pem-Existing key pair)
 - F. Run with Putty (Windows User) by using private key
 - 1. Ping DBServer IP Address

End of VPC Type 1