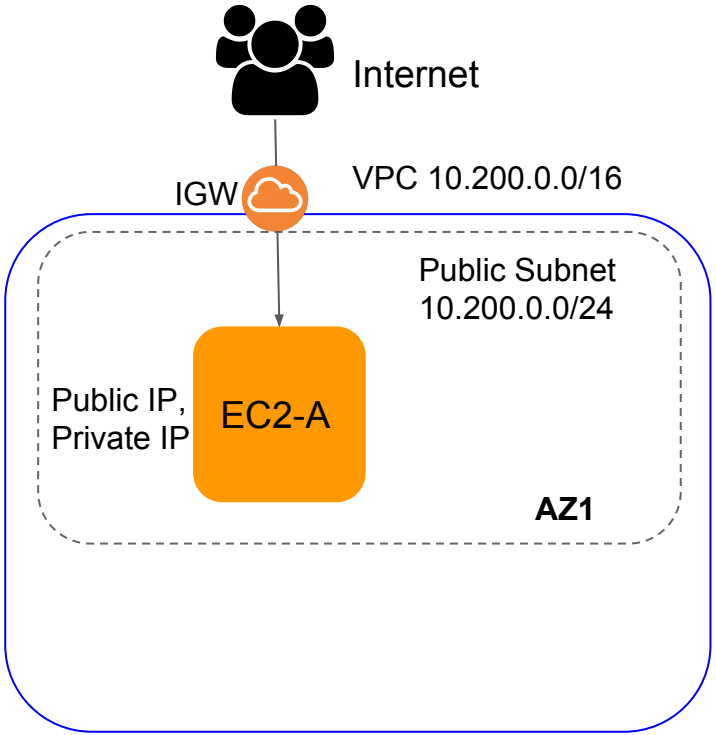
VPC with Single Public Subnet



Public Subnet Route Table

Destination	Target
10.200.0.0/16	local
0.0.0.0/0	igw-xxx

Note: For EC2 instance to be reachable from internet, it must be in Public Subnet and must have Public IP

Steps

1. Create VPC
    a. Go to VPC service -> Your VPCs -> Create VPC (Name: MyVPC, CIDR: 10.200.0.0/16) -> Create
2. Create Internet Gateway
    a. Internet Gateways -> Create internet gateway
3. Attach Internet Gateway to VPC
    a. Select Internet gateway -> Actions -> Attach to VPC -> Select your VPC
4. Create Subnet
    a. Subnets -> Create subnet (Name: MyVPC-Public, VPC: MyVPC, AZ: Select any az, CIDR: 10.200.0.0/24)
    b. Select Subnet -> Action -> Modify Auto Assign Public IP -> Enable -> Save
5. Create Public Route table
    a. Route Tables -> Create Route Table (Name: MyVPC-Public, VPC: MyVPC)
    b. Select Route table -> Routes -> Edit -> Add another route (Destination: 0.0.0.0/0, Target: Internet gateway -> igw-xxx) -> Save

Steps

6. Associate Route table with Subnet to make it Public subnet
    a. Select Route table -> Subnet Associations -> Edit -> Check the MyVPC-Public subnet -> Save
7. Launch EC2 instance in newly created Public Subnet
    a. Go to EC2 Service -> Instances
    b. Launch EC2 Instance -> Select Amazon Linux 2 -> Select t2.micro
    c. Configure Instance Details:
        i. Network: MyVPC
        ii. Subnet: MyVPC-Public (rest all defaults)
    d. Add storage (all defaults)
    e. Add Tags
        i. Key=Name, Value=**EC2-A**
    f. Configure Security Group
        i. Add rule for SSH port 22 for source as MyIP
    g. Review and Launch
8. Connect to EC2 instance (Public IP) from your workstation using Putty or terminal (ec2-user)