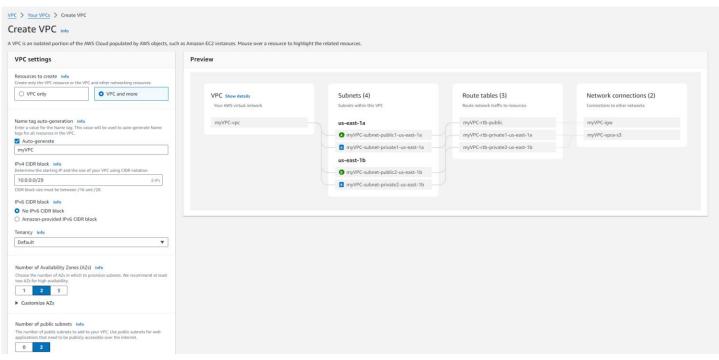
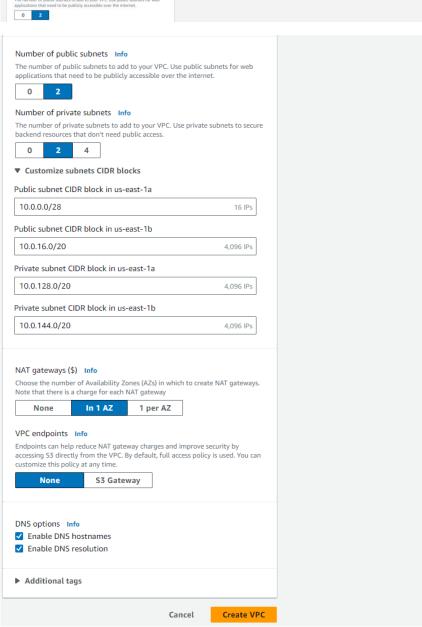
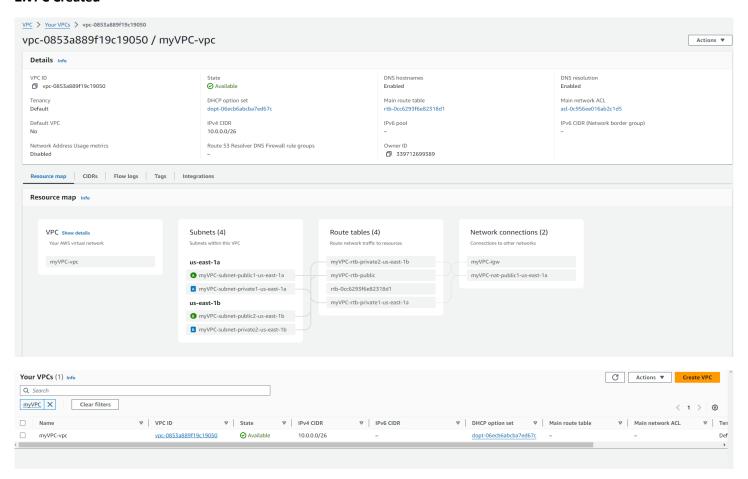
# 1.Creating VPC

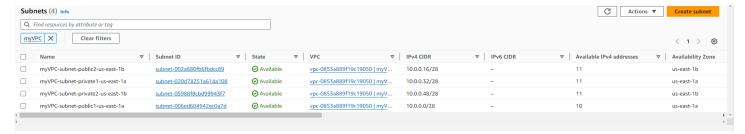




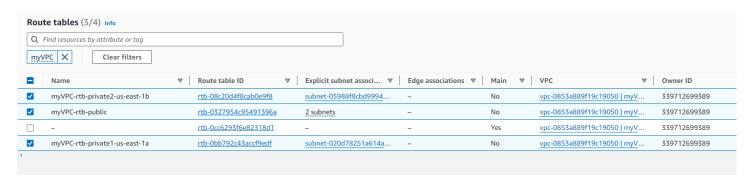
### 2.VPC Created



# 3. Subnets ( 2 Public & 2 Private Subnets )



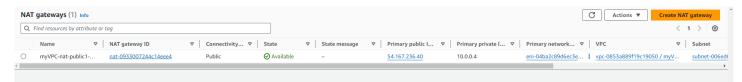
#### **4.Route Tables**



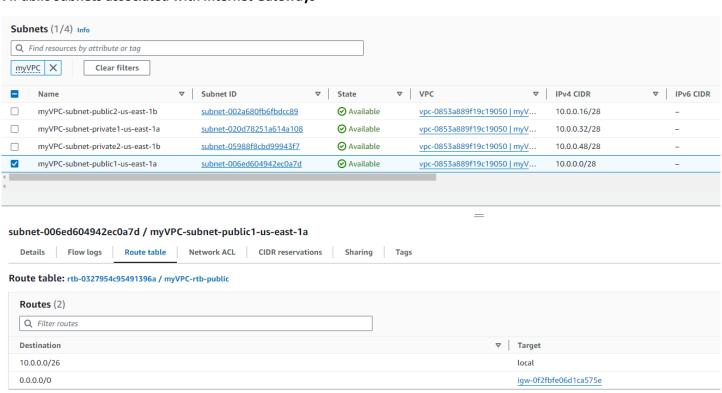
### **5.Internet Gateways**



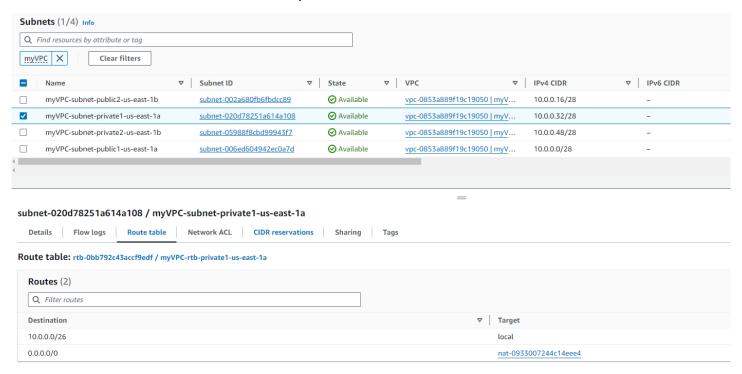
### **6.NAT Gateways**



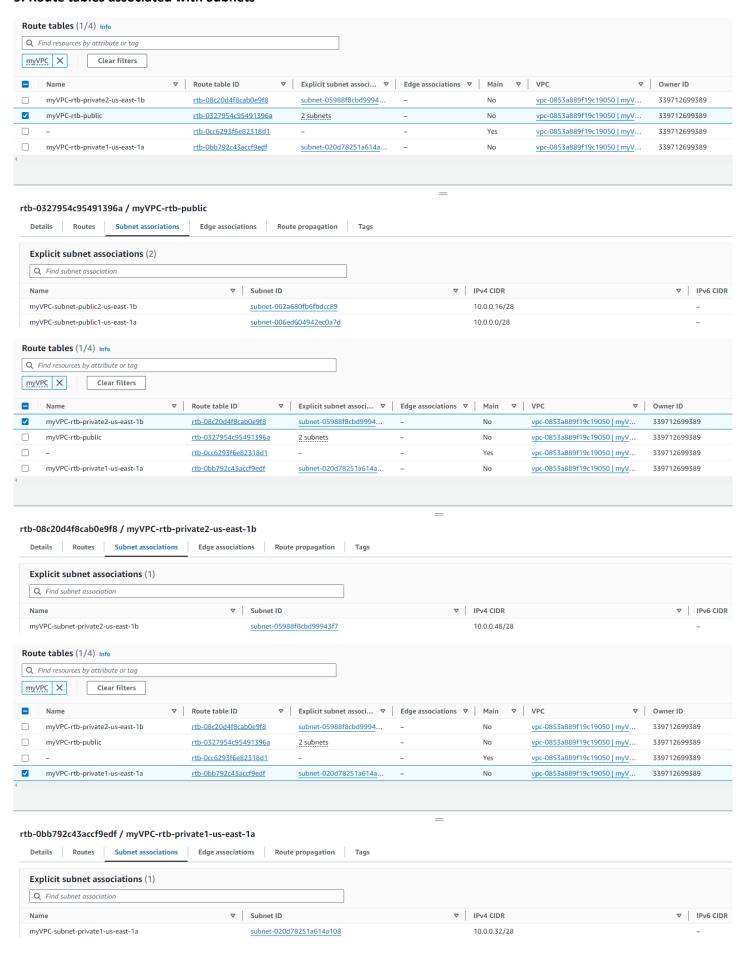
# 7. Public Subnets associated with Internet Gateways



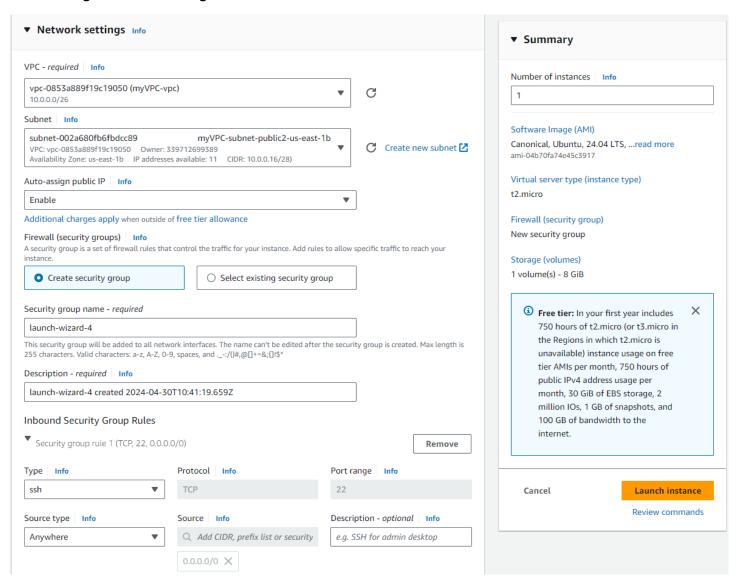
### 8. Private Subnets associated with NAT Gateways



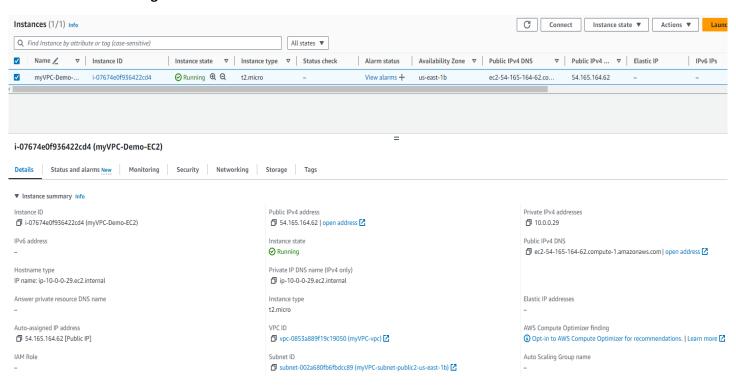
### 9. Route tables associated with Subnets



# 10.Launching EC2 machine using created VPC



### 11.EC2 Instance Running with created VPC



```
aws
        Services Q Search
                                                                        [Alt+S]
  © EC2 📆 Simple Notification Service

√m VPC

Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1008-aws x86 64)
* Documentation: https://help.ubuntu.com
                https://landscape.canonical.com
* Management:
                  https://ubuntu.com/pro
* Support:
System information as of Tue Apr 30 10:50:02 UTC 2024
 System load: 0.15
                                 Processes:
                                                        106
              23.2% of 6.71GB
 Usage of /:
                                 Users logged in:
 Memory usage: 20%
                                 IPv4 address for enX0: 10.0.0.29
 Swap usage:
               08
Expanded Security Maintenance for Applications is not enabled.
) updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Jbuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
ubuntu@ip-10-0-0-29:~$ ifconfig
enX0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 9001
       inet 10.0.0.29 netmask 255.255.255.240 broadcast 10.0.0.31
       inet6 fe80::100e:adff:fe86:d081 prefixlen 64 scopeid 0x20<link>
       ether 12:0e:ad:86:d0:81 txqueuelen 1000 (Ethernet)
       RX packets 1499 bytes 692175 (692.1 KB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 1311 bytes 189998 (189.9 KB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
       inet 127.0.0.1 netmask 255.0.0.0
       inet6 :: 1 prefixlen 128 scopeid 0x10<host>
       loop txqueuelen 1000 (Local Loopback)
       RX packets 126 bytes 13175 (13.1 KB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 126 bytes 13175 (13.1 KB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
ubuntu@ip-10-0-0-29:~$
```