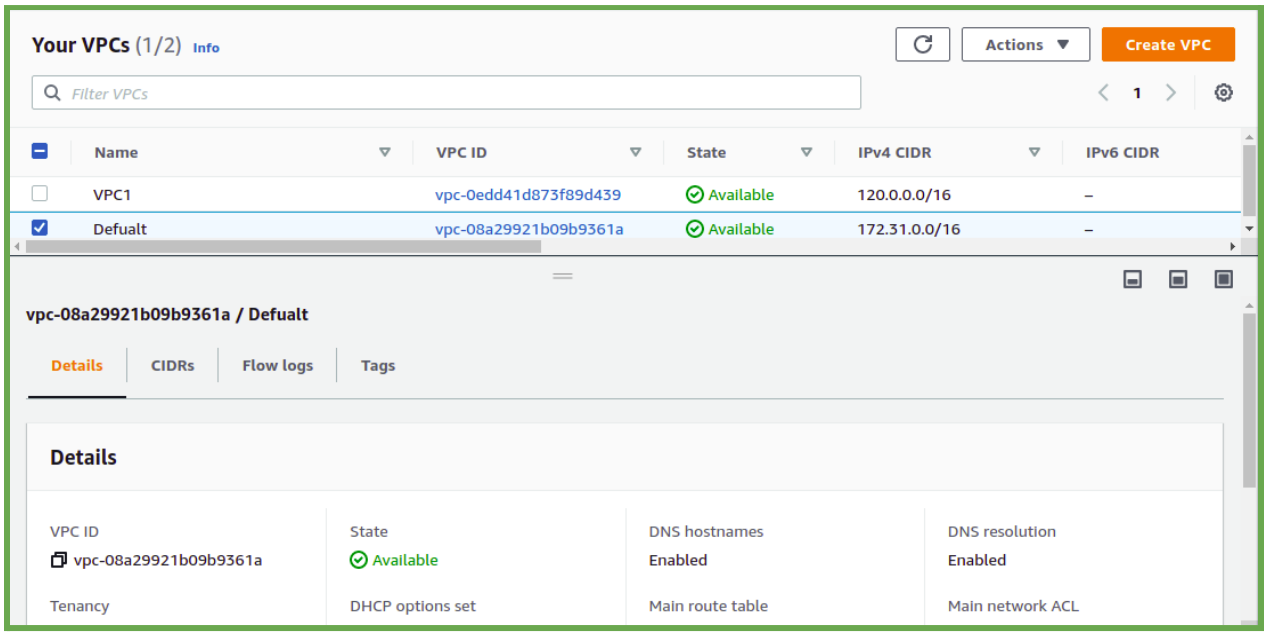
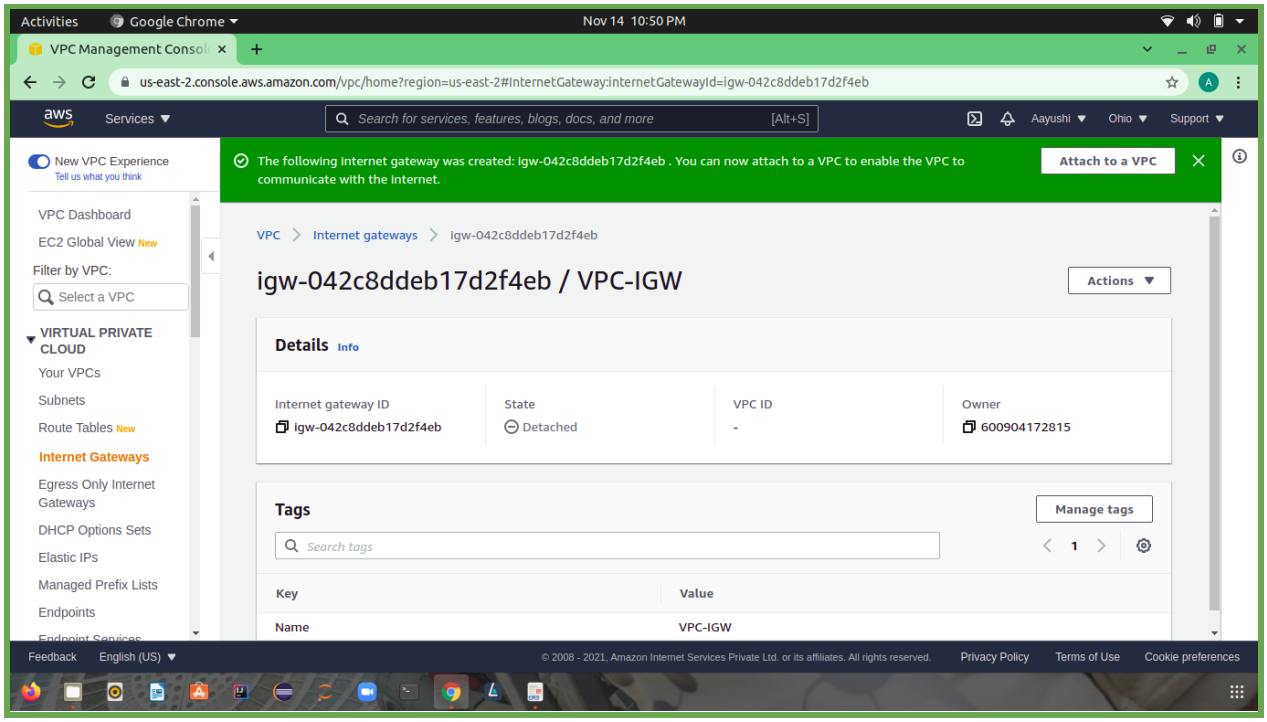
AWS Module- 4 VPC Assignment - 1

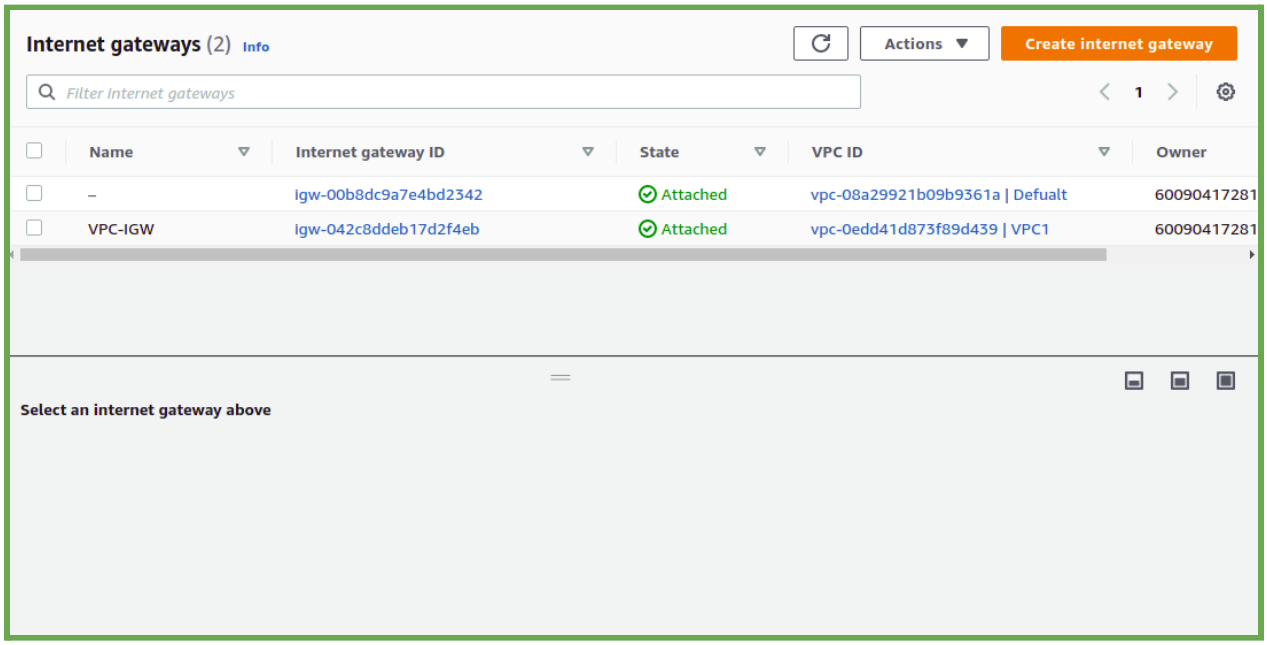
1. **Create a VPC with 120.0.0.0/16 CIDR block**
2. **Create 1 public subnet, 2 private subnet and make sure you connect a NAT gateway for internet connectivity to private subnet**

Create VPC as name VPC1

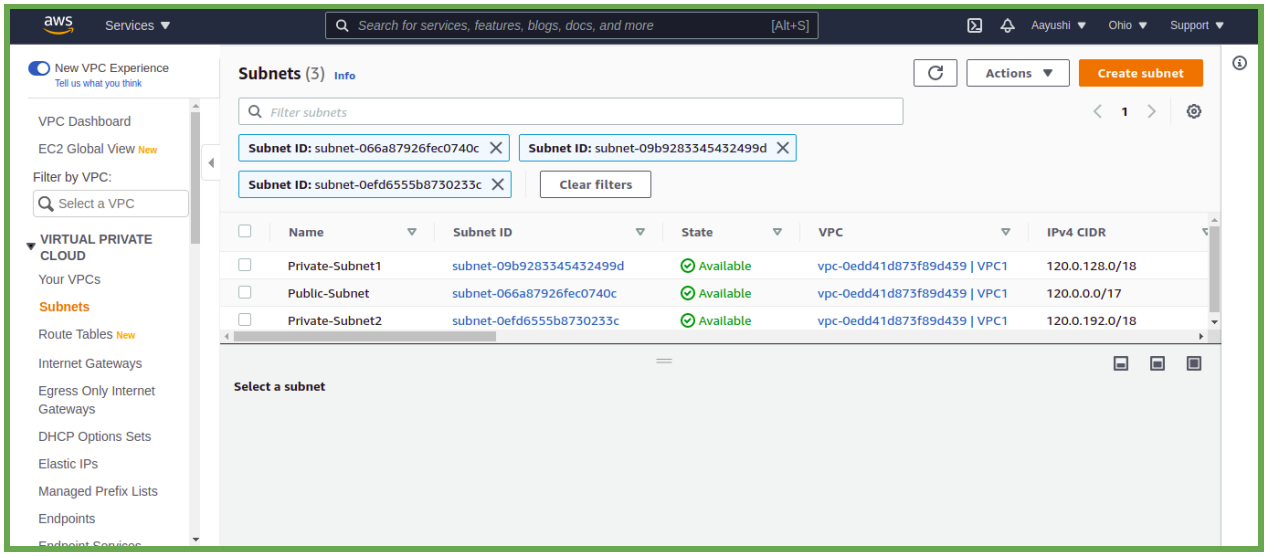


Create Internet Gateways and Attach to VPC



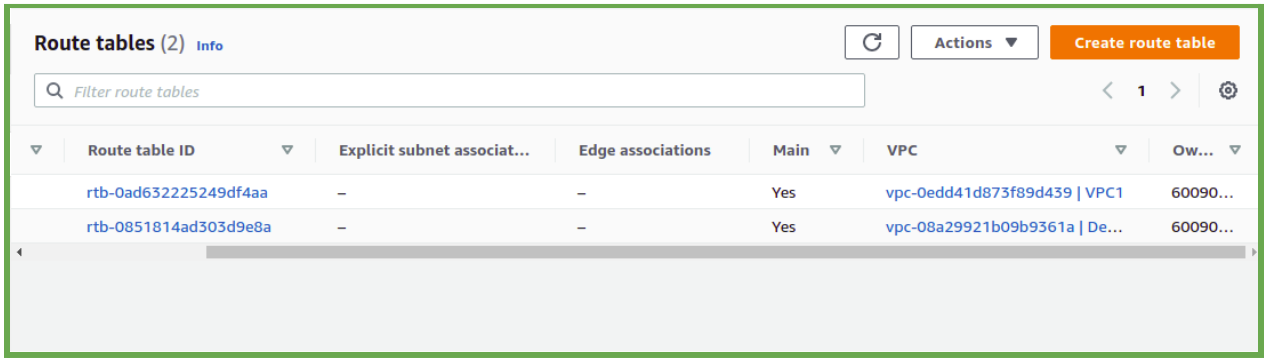


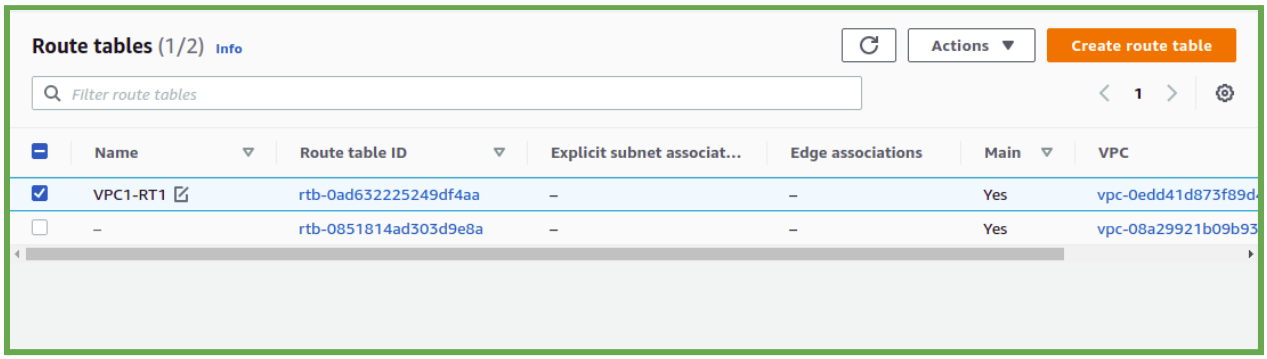
Create Subnets
1 public subnet
2 private subnet



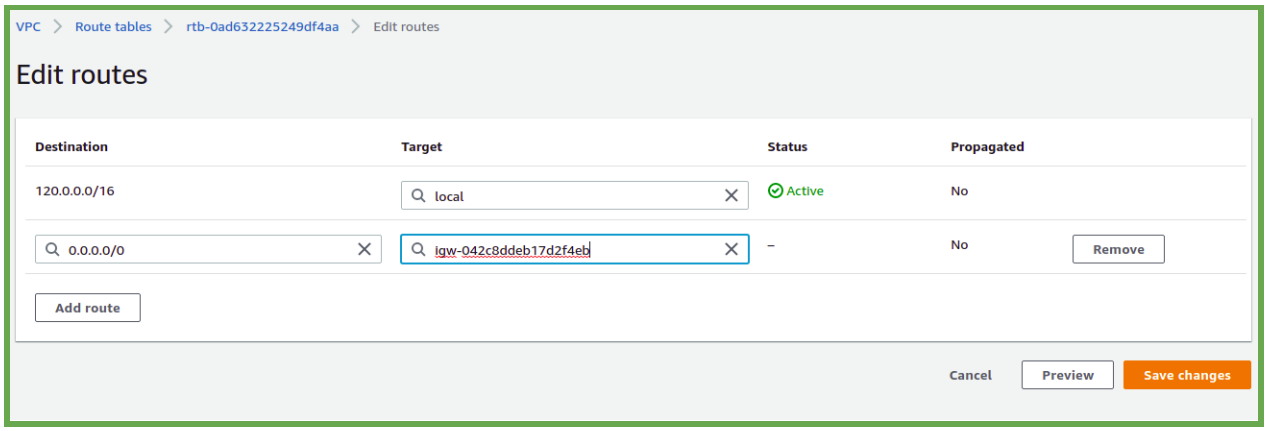
Create Route Table

Auto Generated route table and provide name

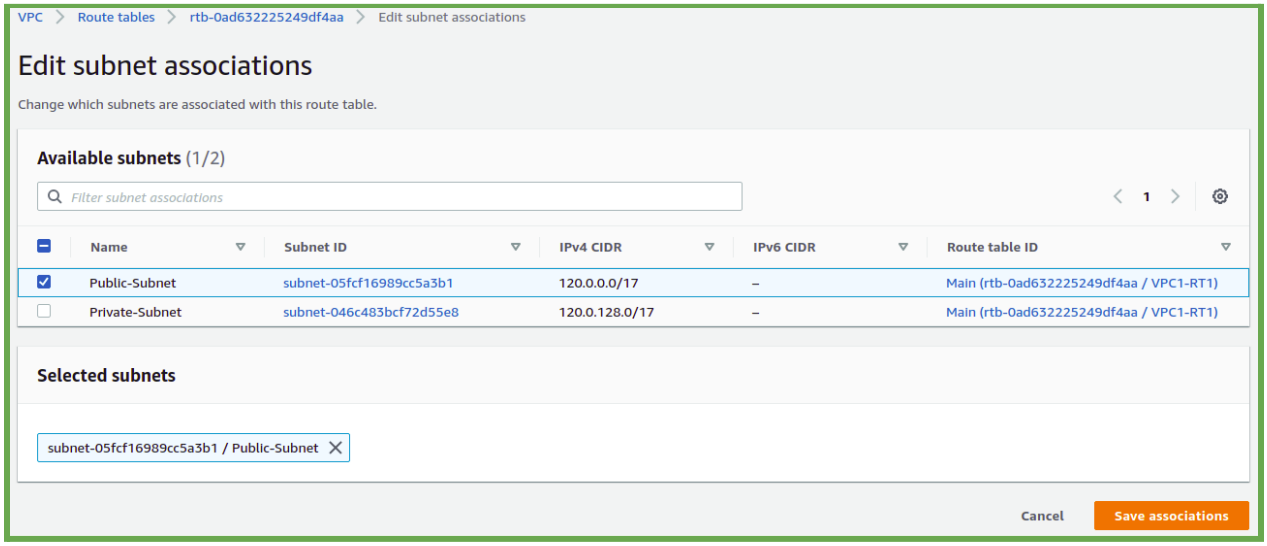




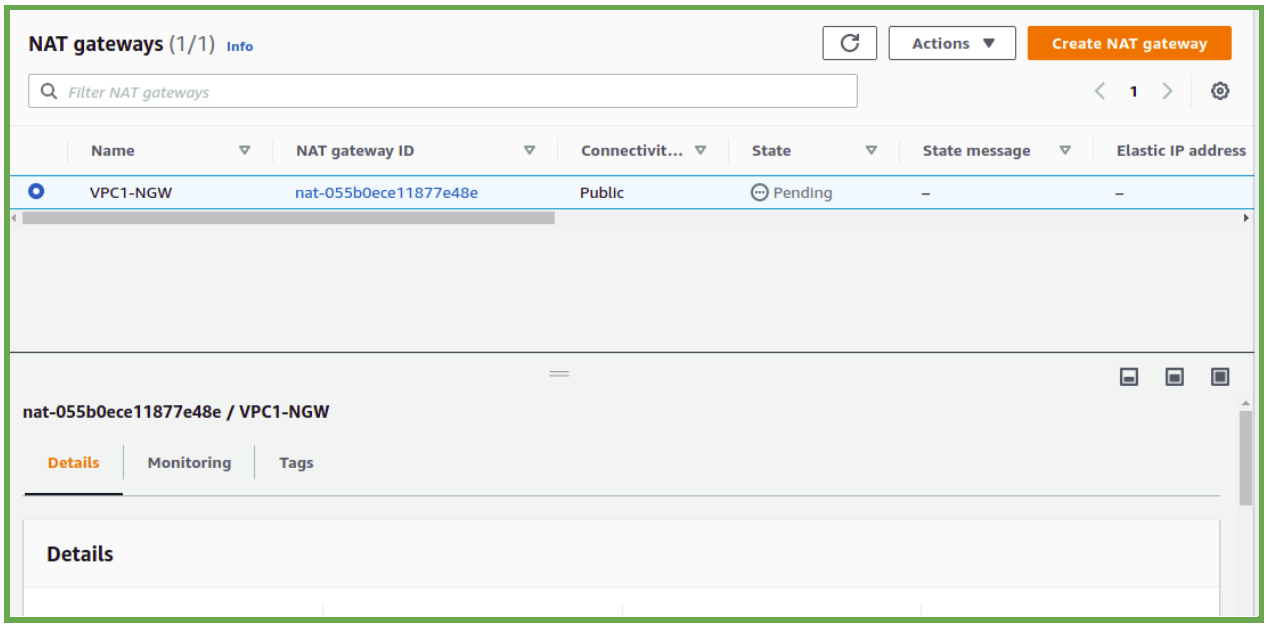
Now, edit route and add new rule and IGW also



Edit subnet association



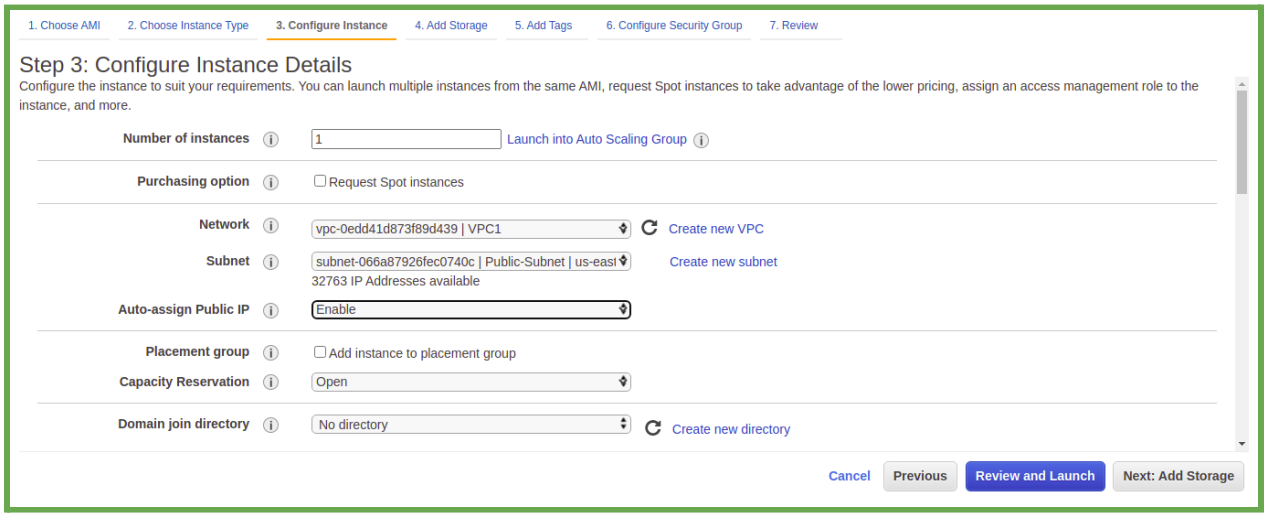
Create NAT Gateways with public subnet

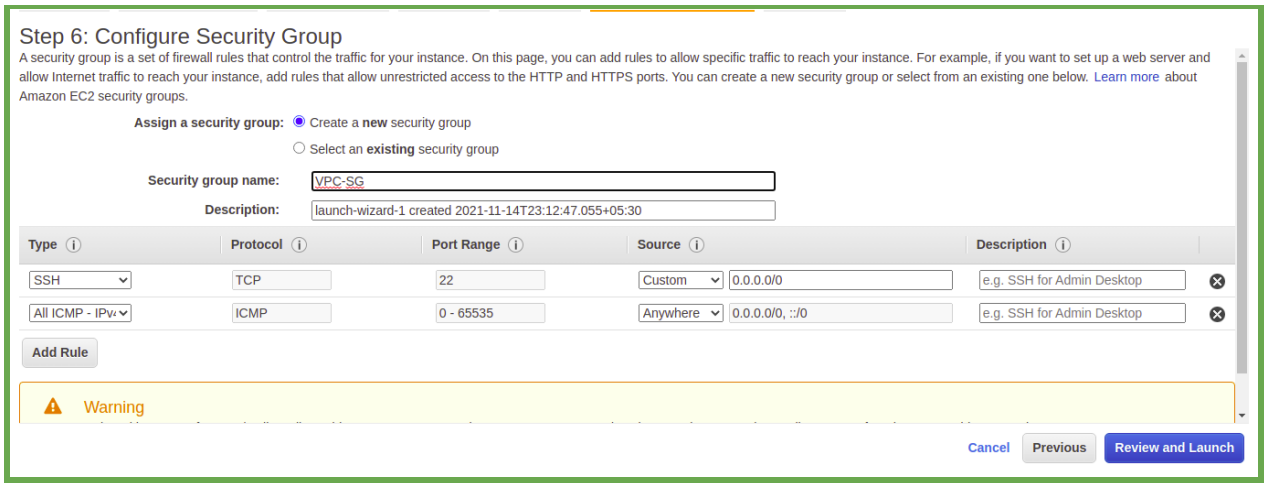


Create instance for public

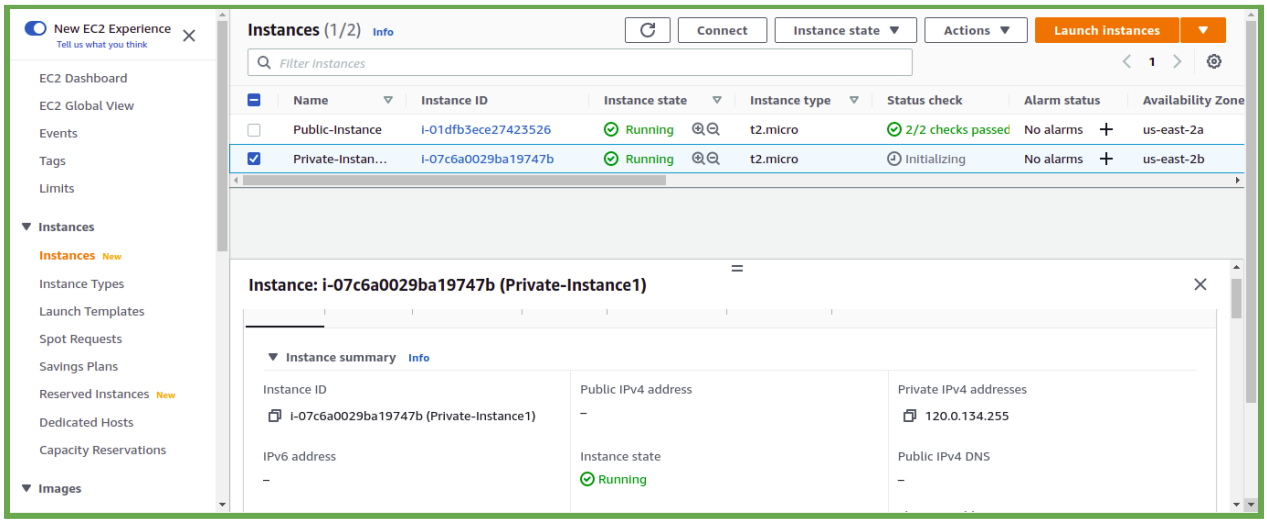
Add VPC and Subnet and also enable it

Add security group and take ALL ICMP - IPv4

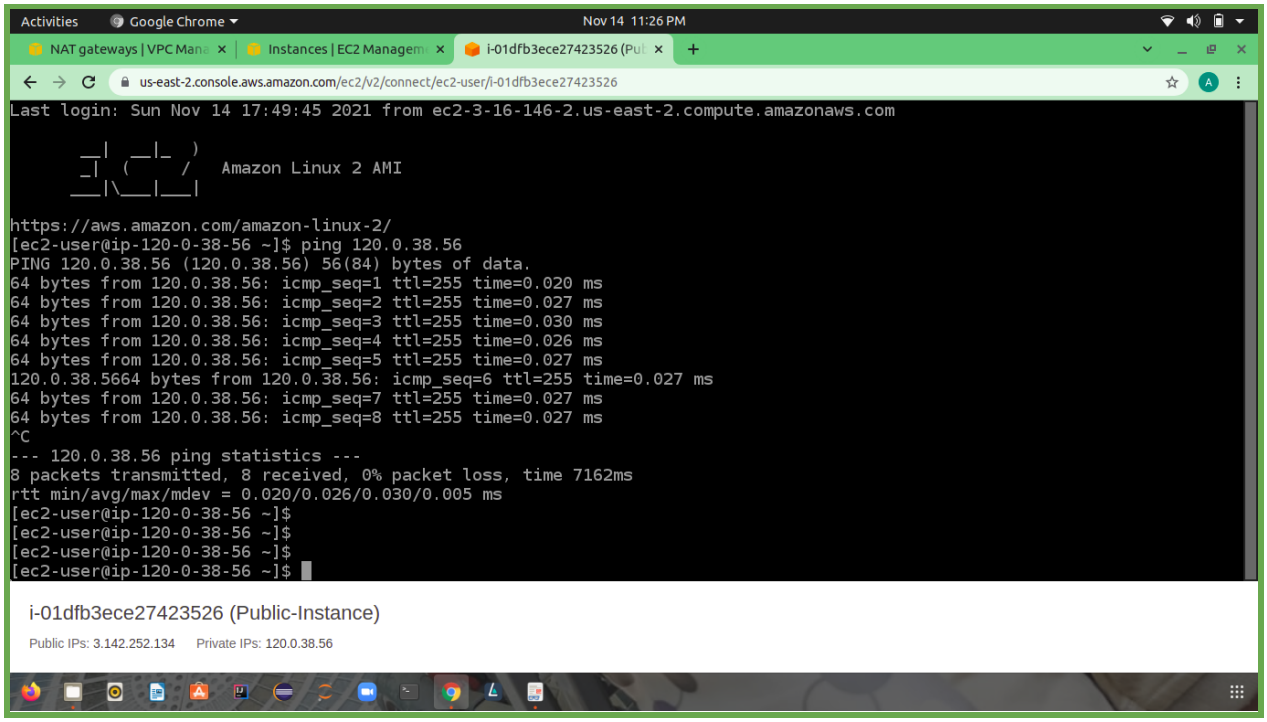




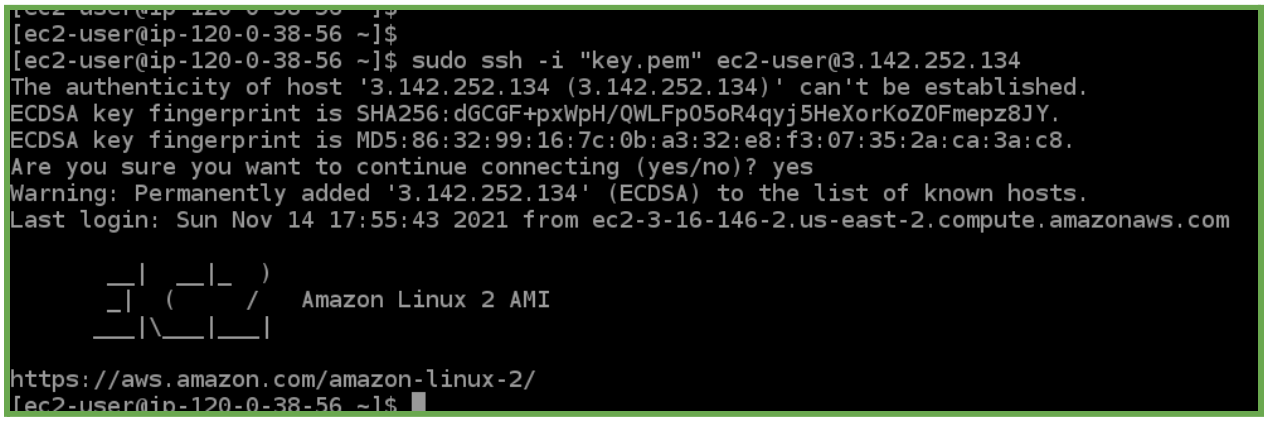
Created Instances

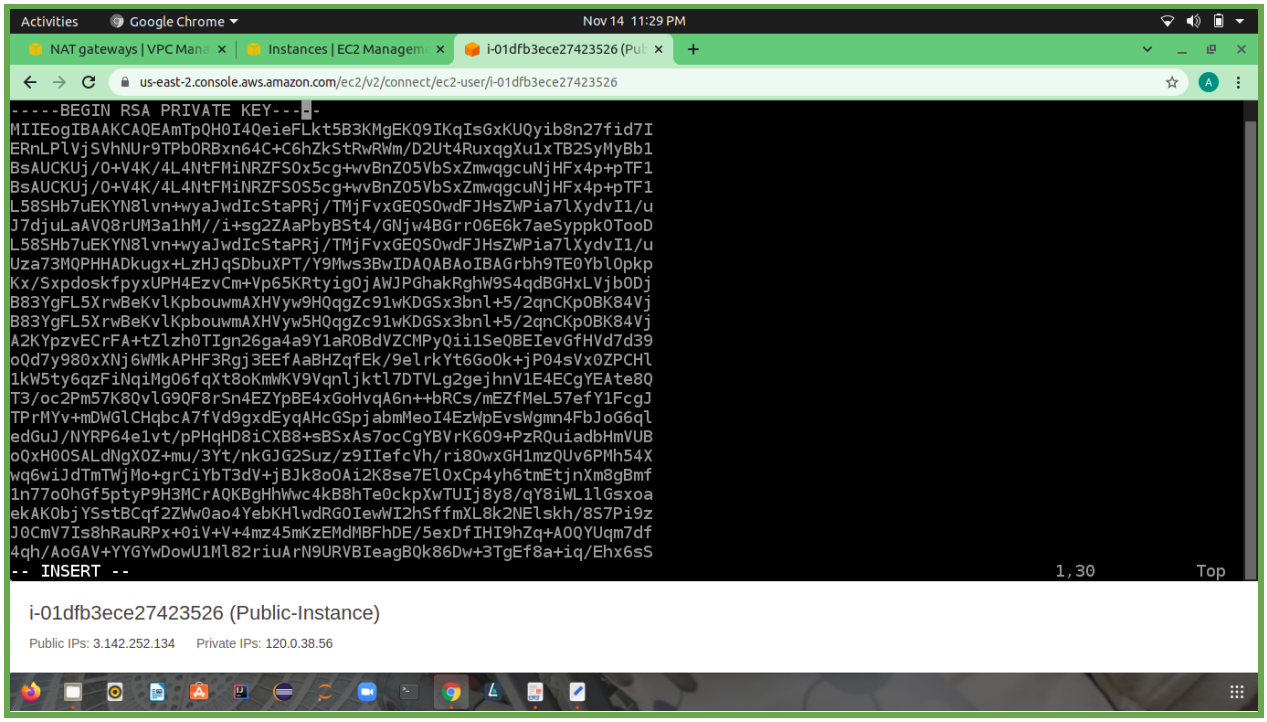


Now connect as show below and ping: google.com by bastion host



Make vi key.pem file



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[ec2-user@ip-120-0-38-56 ~]$
[ec2-user@ip-120-0-38-56 ~]$
[ec2-user@ip-120-0-38-56 ~]$ ping google.com
PING google.com (142.250.191.142) 56(84) bytes of data.
64 bytes from ord38s29-in-f14.1e100.net (142.250.191.142): icmp_seq=1 ttl=35 time=17.8 ms
64 bytes from ord38s29-in-f14.1e100.net (142.250.191.142): icmp_seq=2 ttl=35 time=17.9 ms
64 bytes from ord38s29-in-f14.1e100.net (142.250.191.142): icmp_seq=3 ttl=35 time=17.9 ms
64 bytes from ord38s29-in-f14.1e100.net (142.250.191.142): icmp_seq=4 ttl=35 time=17.8 ms
64 bytes from ord38s29-in-f14.1e100.net (142.250.191.142): icmp_seq=5 ttl=35 time=17.9 ms
64 bytes from ord38s29-in-f14.1e100.net (142.250.191.142): icmp_seq=6 ttl=35 time=17.8 ms
64 bytes from ord38s29-in-f14.1e100.net (142.250.191.142): icmp_seq=7 ttl=35 time=17.9 ms
64 bytes from ord38s29-in-f14.1e100.net (142.250.191.142): icmp_seq=8 ttl=35 time=17.9 ms
64 bytes from ord38s29-in-f14.1e100.net (142.250.191.142): icmp_seq=9 ttl=35 time=17.9 ms
^C
--- google.com ping statistics ---
9 packets transmitted, 9 received, 0% packet loss, time 8011ms
rtt min/avg/max/mdev = 17.854/17.908/17.961/0.158 ms
[ec2-user@ip-120-0-38-56 ~]$
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