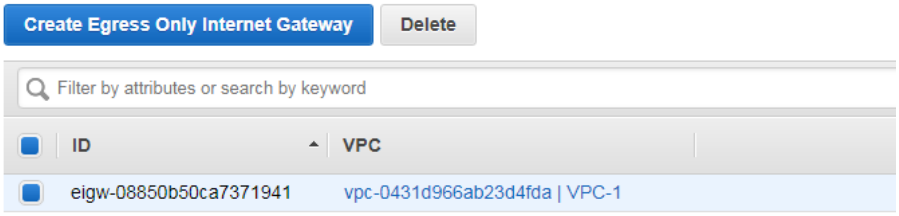
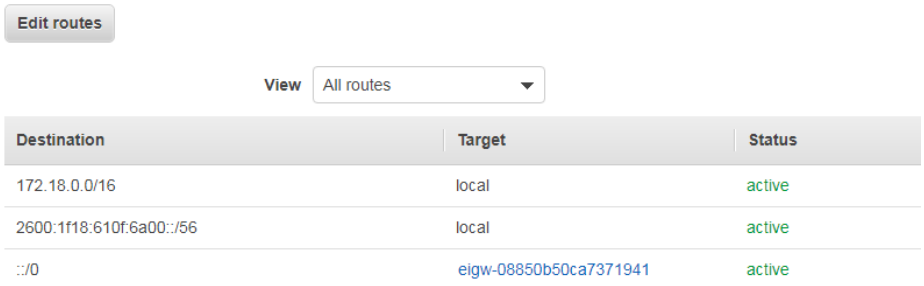
Lab manual – Apply NAT GW and EIG for the RT2 in the LM6.1

1. Creation of Route table 2 and associating the respective private subnets to this Route table 2 is the same as LM6.1
2. Also create “EC2” instance in the private subnet and public subnets.
3. Now create “Egress only Internet Gateway” and assign that to the particular VPC.



And now APPLY the “Egress only Internet Gateway” on the Route Table 2.



Checking the output.
Login to the 2nd EC2 instance in the private subnet and run the below command
ping6 yahoo.com
If all the configuration is fine, we should get an reply.

4. Configure the NAT GW for IPv4 external connectivity.

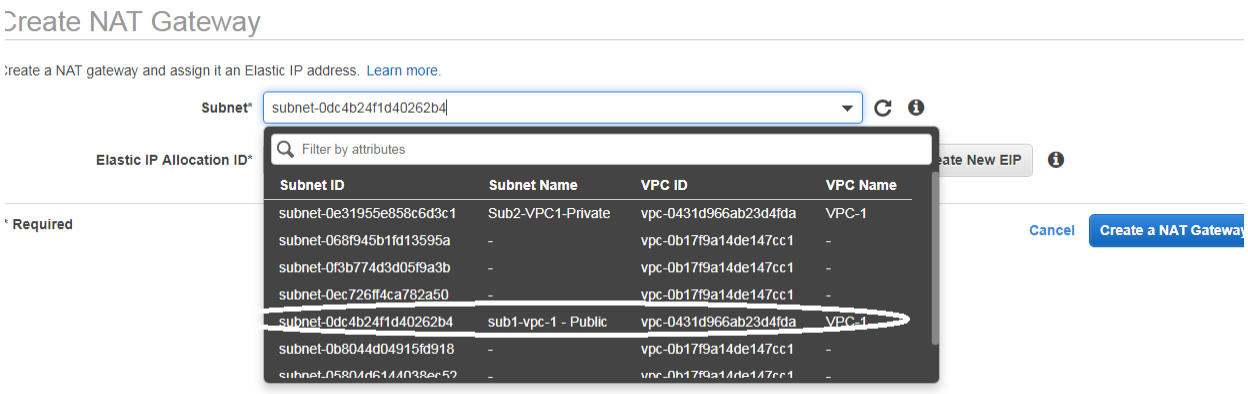
   This has 2 parts

   a. Front End
   b. Backend

   a. Configuring the Front End part, means the NAT Gateway should have internet access so that it can provide it to the private subnets as requested.

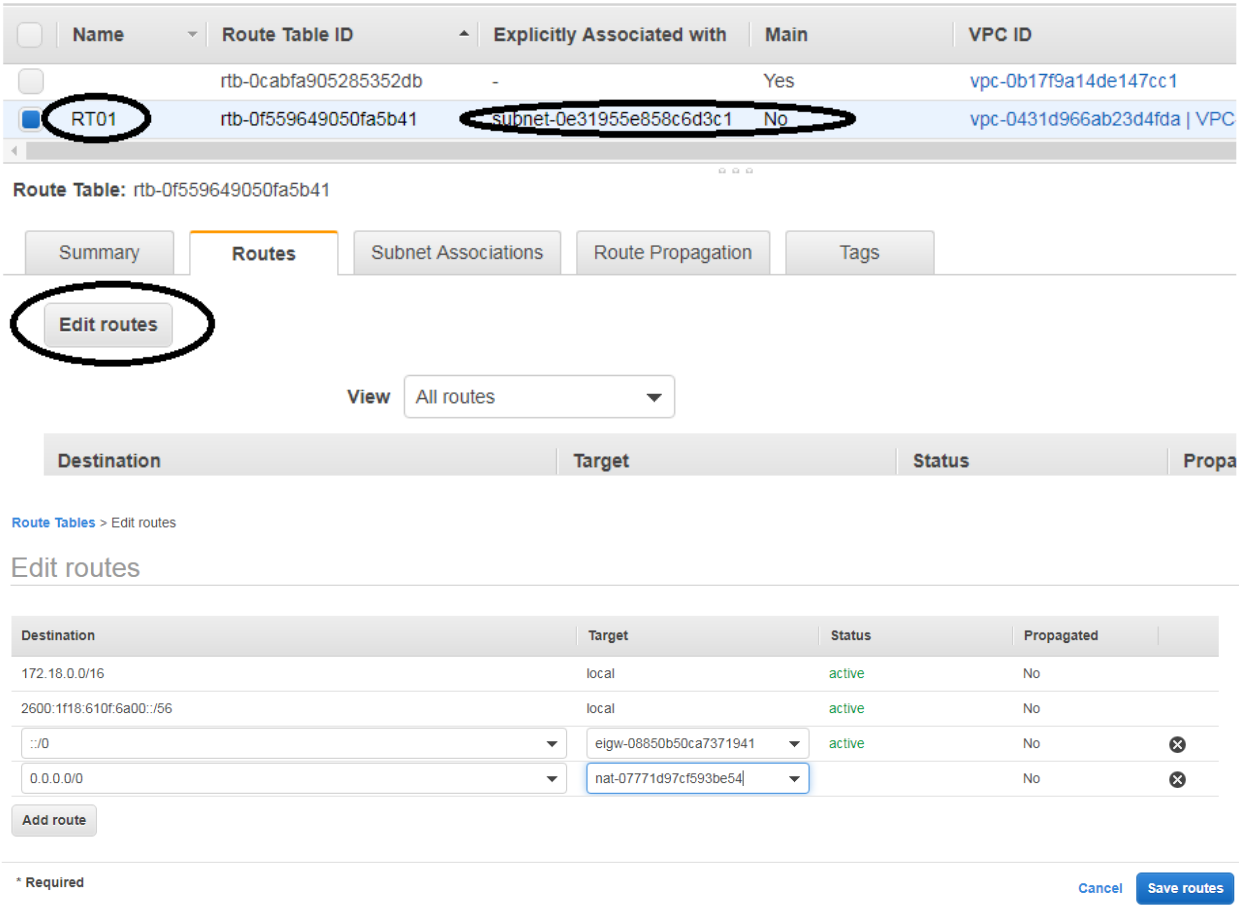
   Create an NAT GW, and select the “**Public Subnet**” that has internet access on it.

   Ans also assign a “Elastic IP” public ipv4 on the NAT GW.



b. Configure the backend part

Add the Route pointing towards “NATGW” on the Route Table2.



This should give the public access to the 2nd Machine in the private network, over IPv4.

 # ping yahoo.com

5. Delete the Env
    a. Delete the Instances
    b. Delete the NAT GW (This takes around 3 to 5 min)
    c. “Release” the Elastic IP manually (Elastic ip assigned to NAT GW does not get deleted automatically, we would need to delete is manually)
    d. Remove the subnet association from the Route Table 2
    e. Delete the Route Table 2
    f. Finally Delete the VPC