Module 7 – NAT Gateway

NAT Gateway.

A managed AWS service that provides outbound internet access for resources within a private subnet in an Amazon Virtual Private Cloud (VPC). It allows instances in a private subnet to communicate with the internet or other AWS services, while hiding their private IP addresses.

Different between NAT GW and IGW

An Internet Gateway (IGW) allows both inbound and outbound access to the internet. A NAT Gateway only allows outbound access.

What we are going to perform-

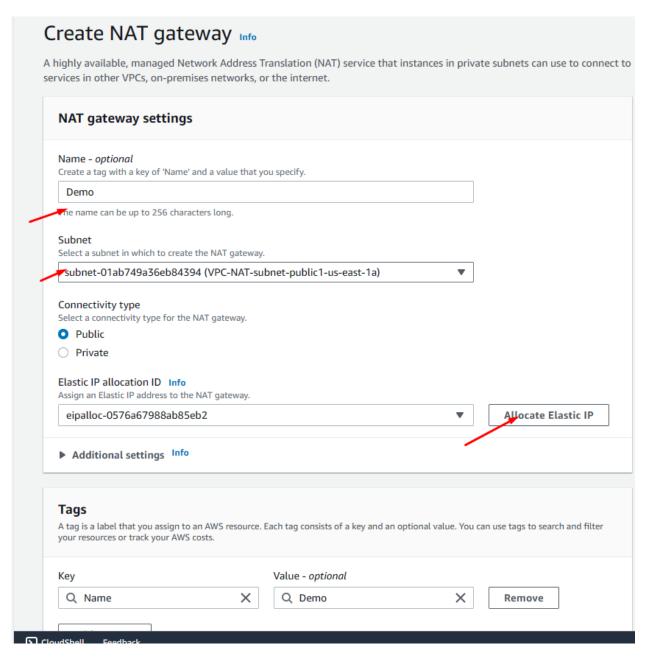
Now let's launch two instances, one instance in Public Subnet which will have default Auto-assign Public IP and another instance in Private Subnet which will not have Public IP. We will do SSH from Server 1 to server 2 and then will see if server 2 is able to ping gmail.com.

So let's go back to VPC and select NAT GW.

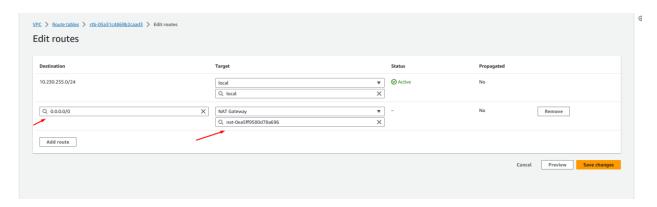
• Click on Create NAT gateway.



So, fill in the details and make sure select the Public Subnet.



 Once the NAT gateway is created updated the Route Table. 0.0.0.0/0 target will be NAT GW. Save the changes.



Now let try to ping gmail.com from server2.