Homework 6

Team: TeaDistribution

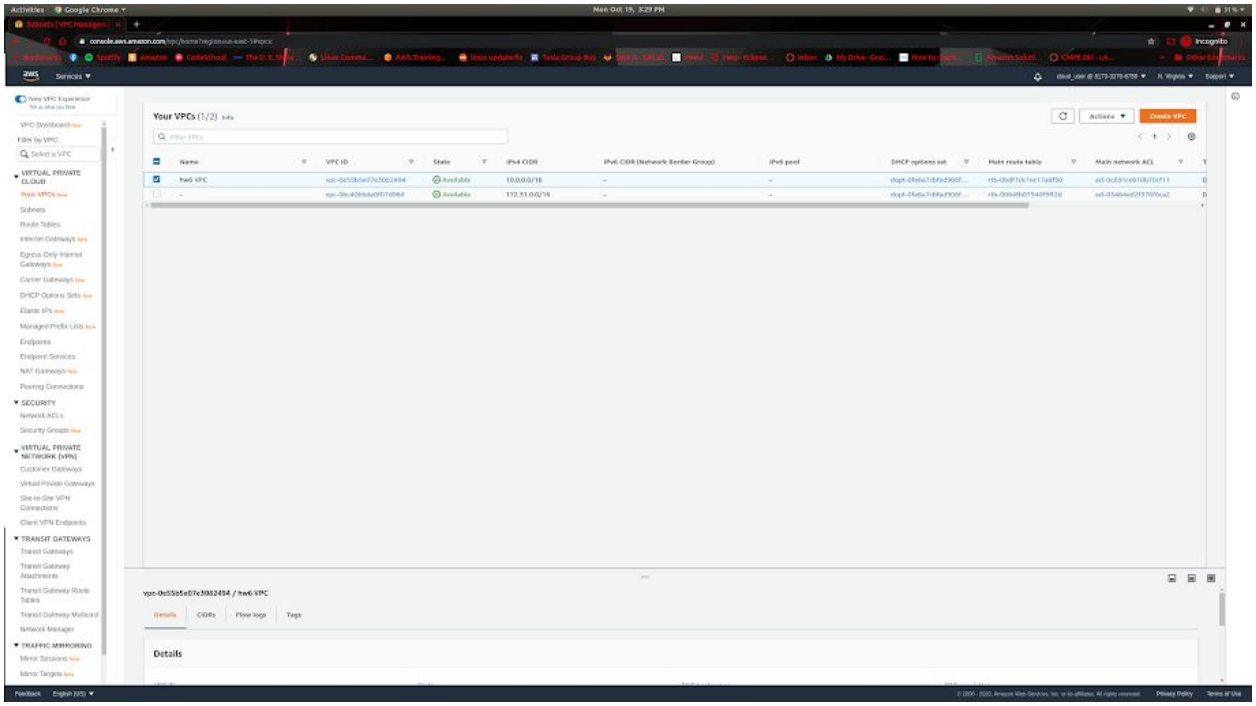
Repo Link:

https://github.com/gtgan/cmpe207hw/tree/master/hw3JS

Description:

In this Homework we created a multi subnet VPC. we created both a private and public subnet. This VPC could be used for a 3 tier structure with the web servers in the public subnet and the app servers and DB layer in the private subnet. The public subnet is exposed to the internet via the internet gateway and can receive traffic from all over the internet directly. In the private network however there is a NAT gateway that will block easy access. Routing is defined in the two separate route tables that define the routes for the public and private subnet respectively.

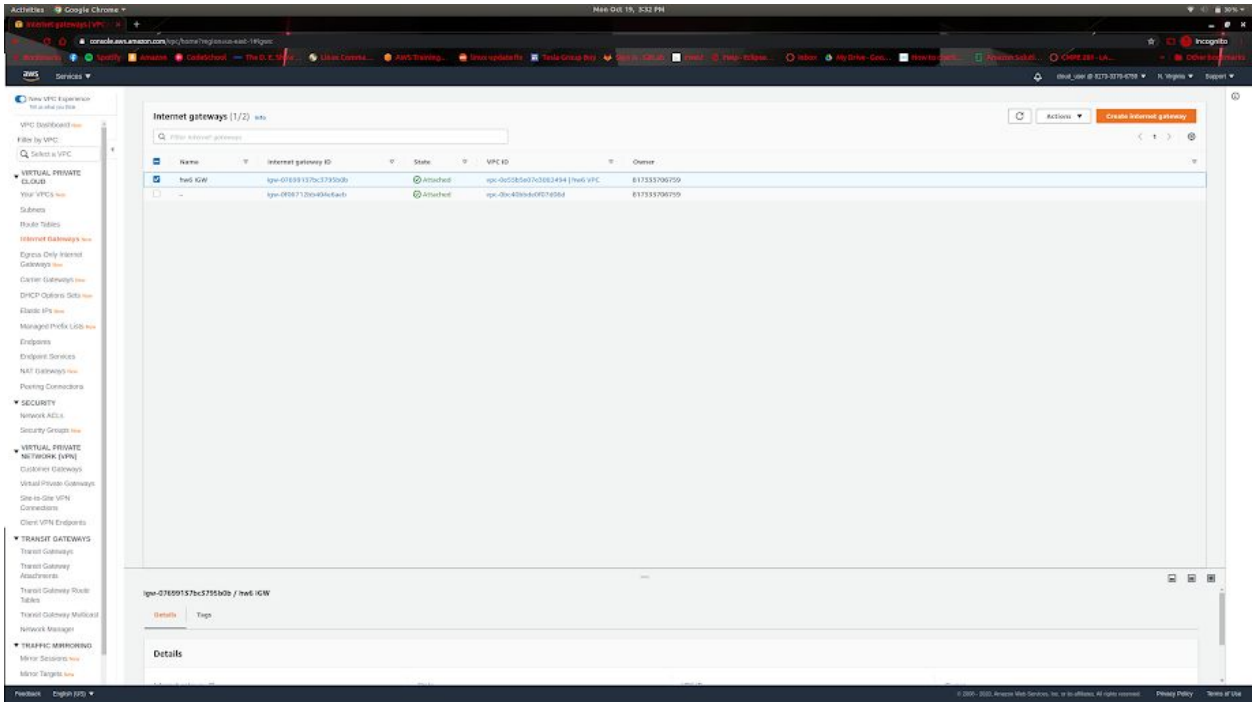
Screenshots:



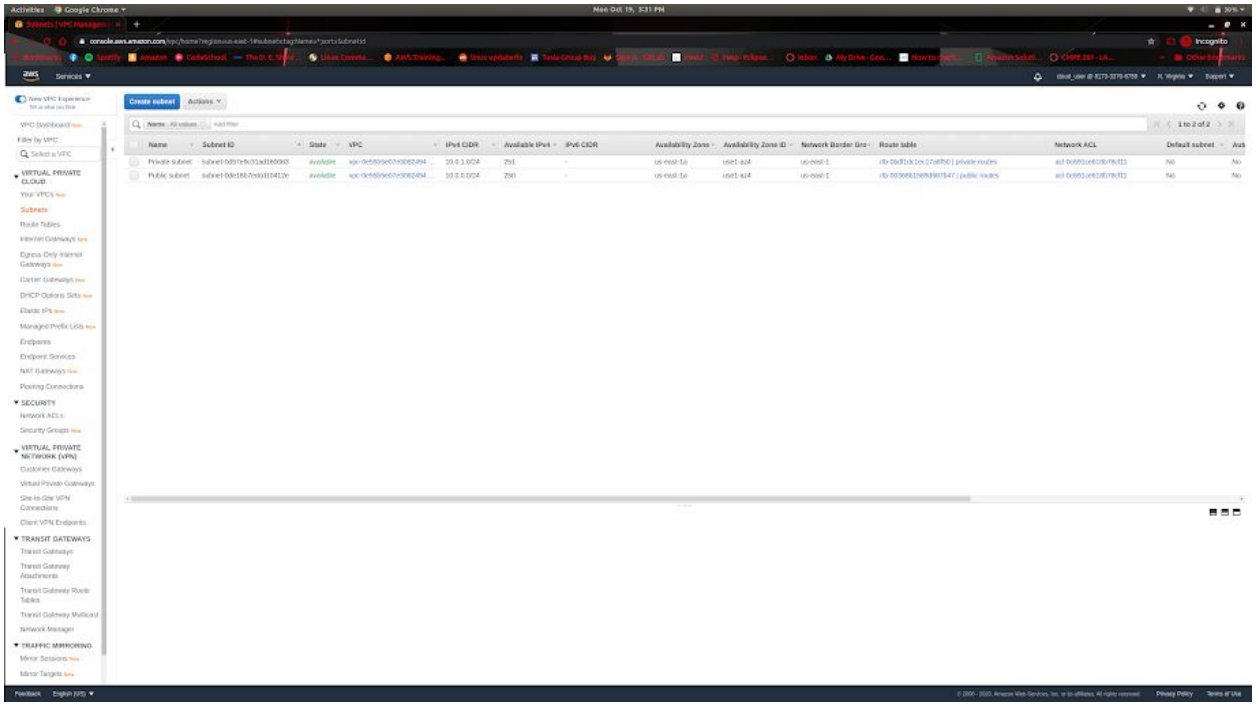
- In this screen shot the newly created VPC and the default VPC can be seen. The newly created VPC is named hw6 VPC. note the VPC ID.

Homework 6

Team: TeaDistribution



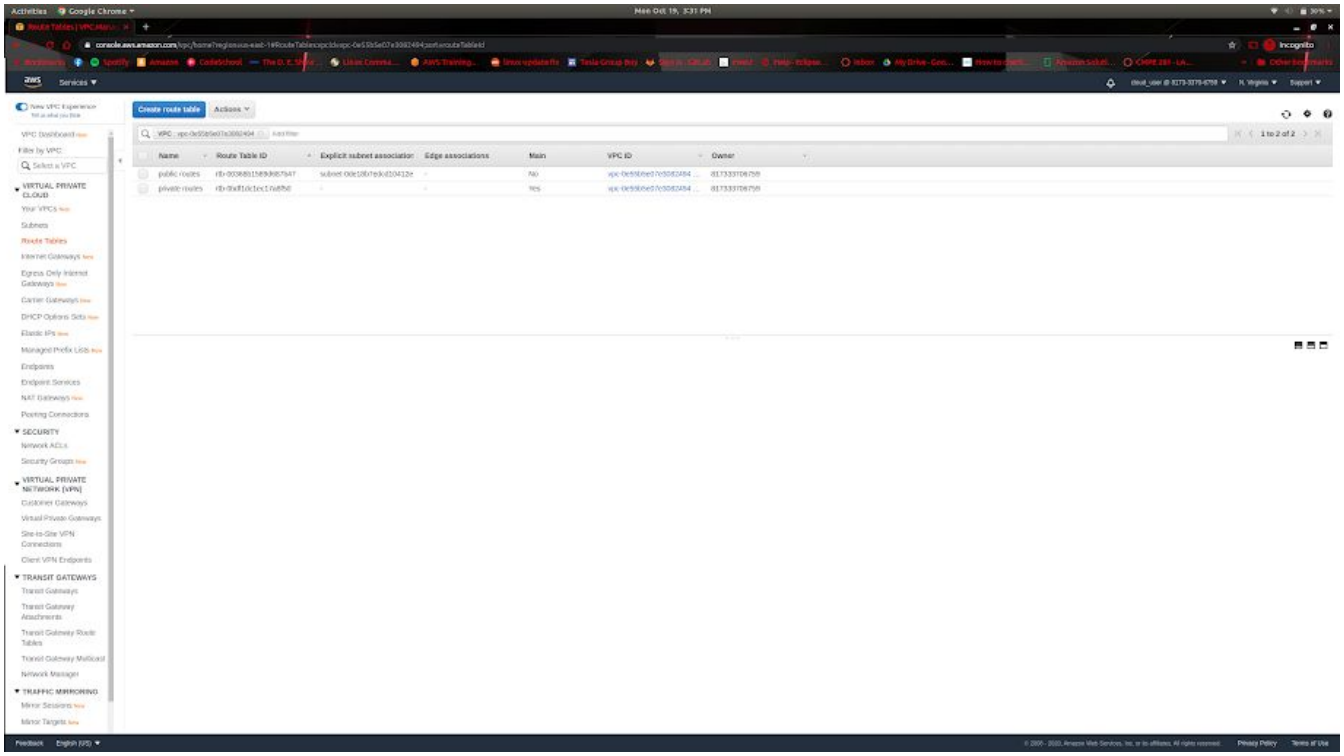
- This screenshot shows the internet gateway that allows the VPC to have access to the internet. Notice the name of the gateway is “hw6 IGW” and the VPC ID is the same as the VPC created in the previous screenshot.



Homework 6

Team: TeaDistribution

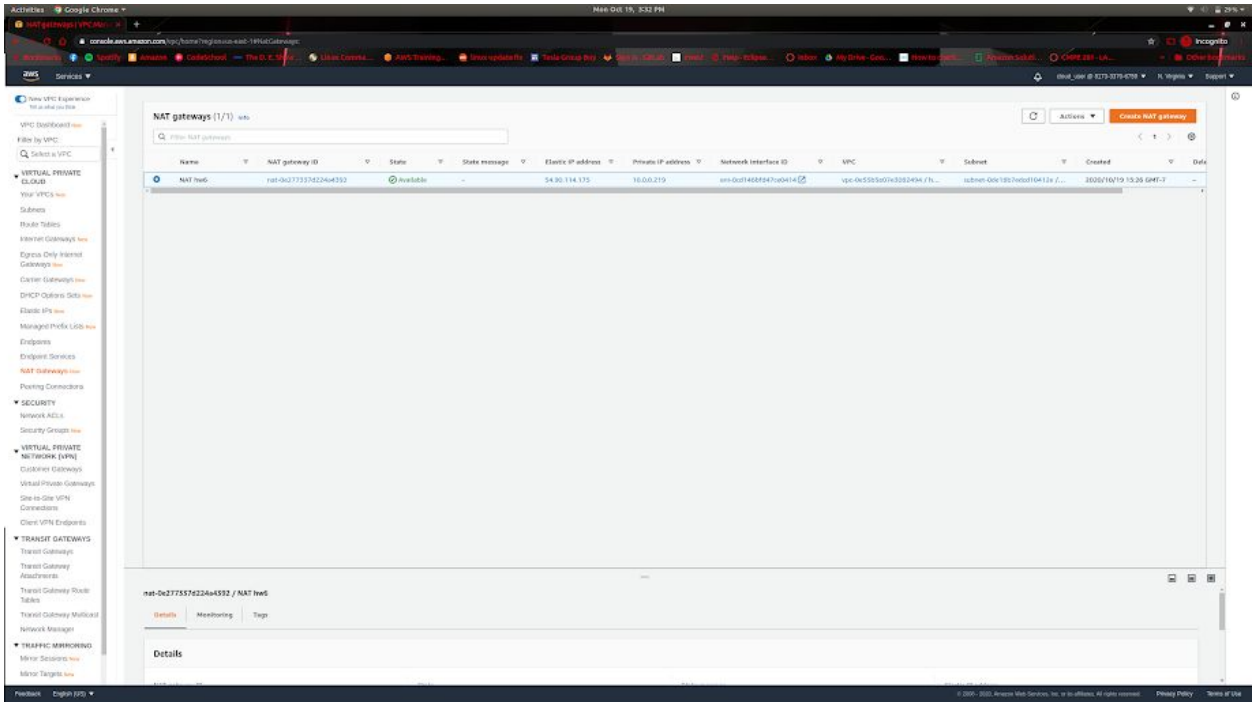
- This screenshot shows the two subnets. Notice under the route table tab, each subnet is assigned to private routes and public routes respectively. Also note that the VPC has the same ID as the first screenshot.



- This screenshot shows the route tables. Notice there is a route table for public and private subnets. Each route table can be used on more than one subnet.

Homework 6

Team: TeaDistribution



- This screenshot shows the NAT gateway created for the private subnet. This way instances in the private subnet can still access the internet through some hoop jumping.