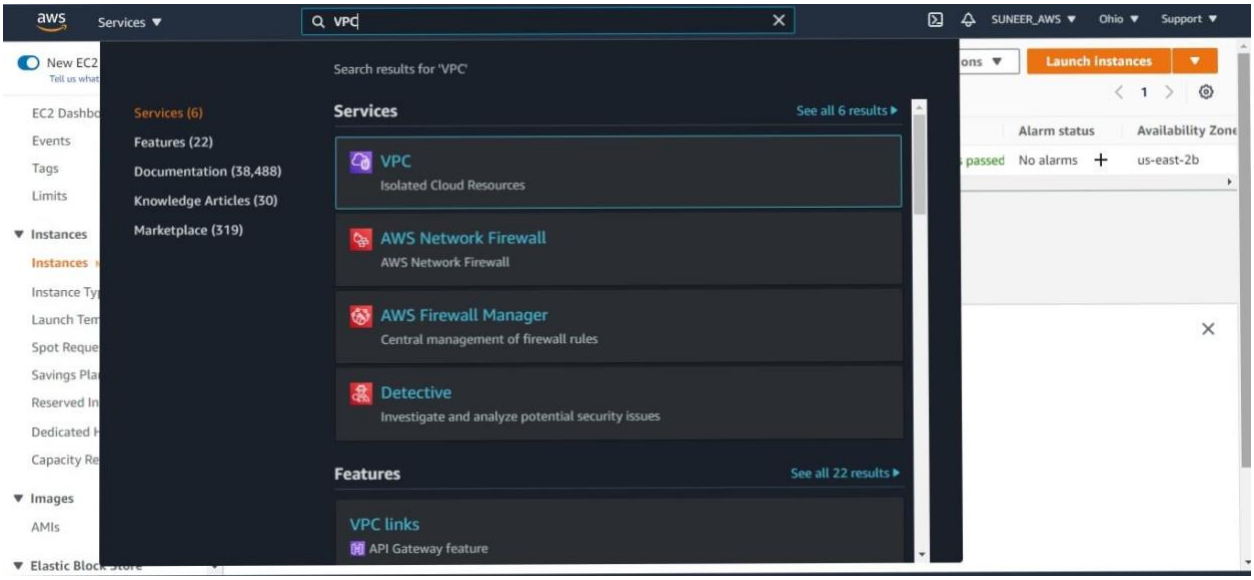
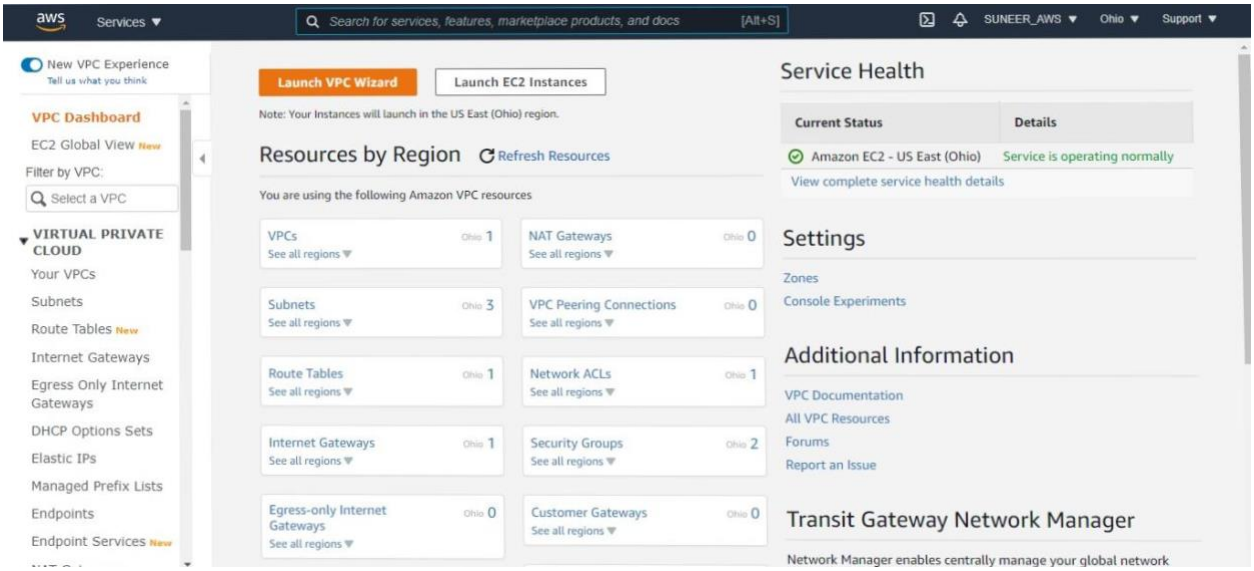
AWS Essentials Assignment - 4

Working with custom VPC by creating new Internet gateway, Subnet and Route table . Then attach these to the VPC and create a new instance with the custom VPC.

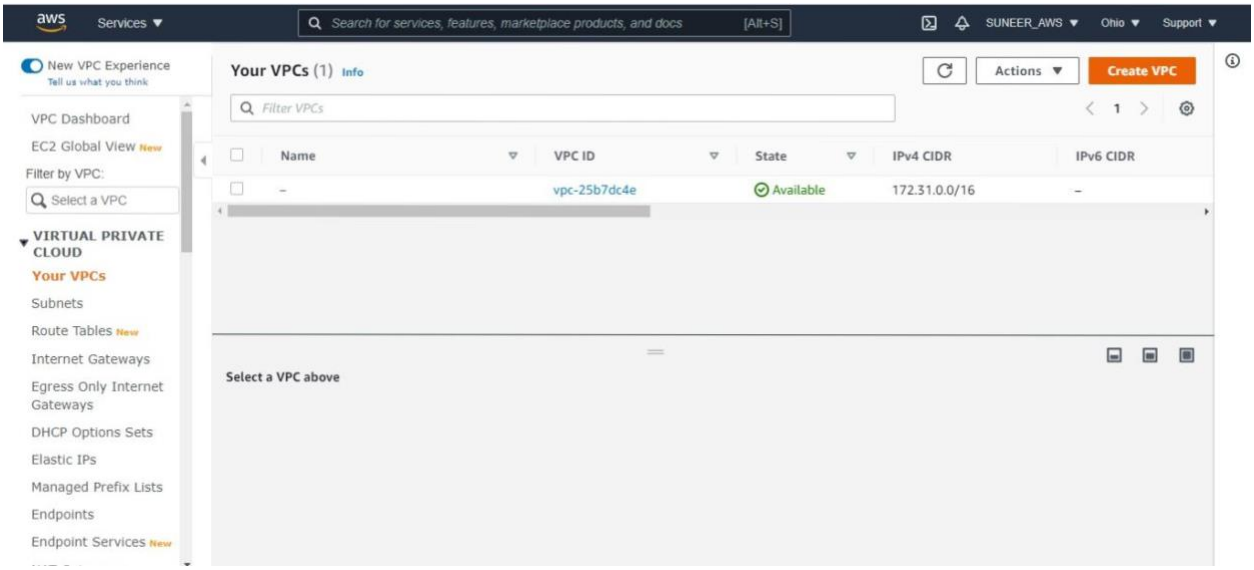
- **Search open the VPC console from the AWS dashboard**



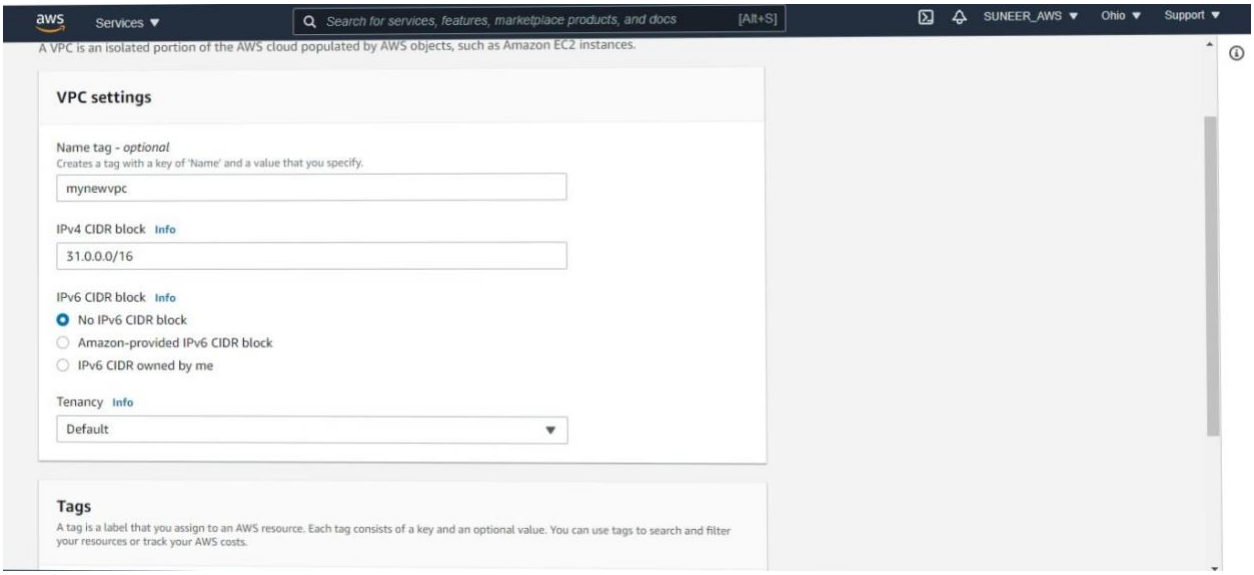
- **Now select Your VPCs**



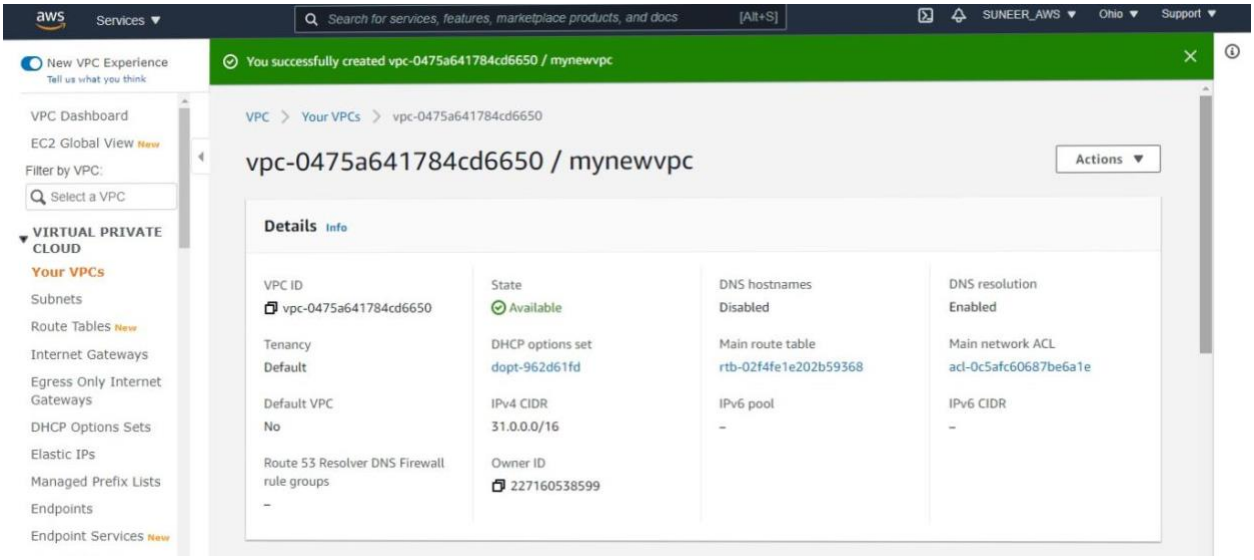
- **Now click on the " Create VPC" from the top right corner to create the VPC.**



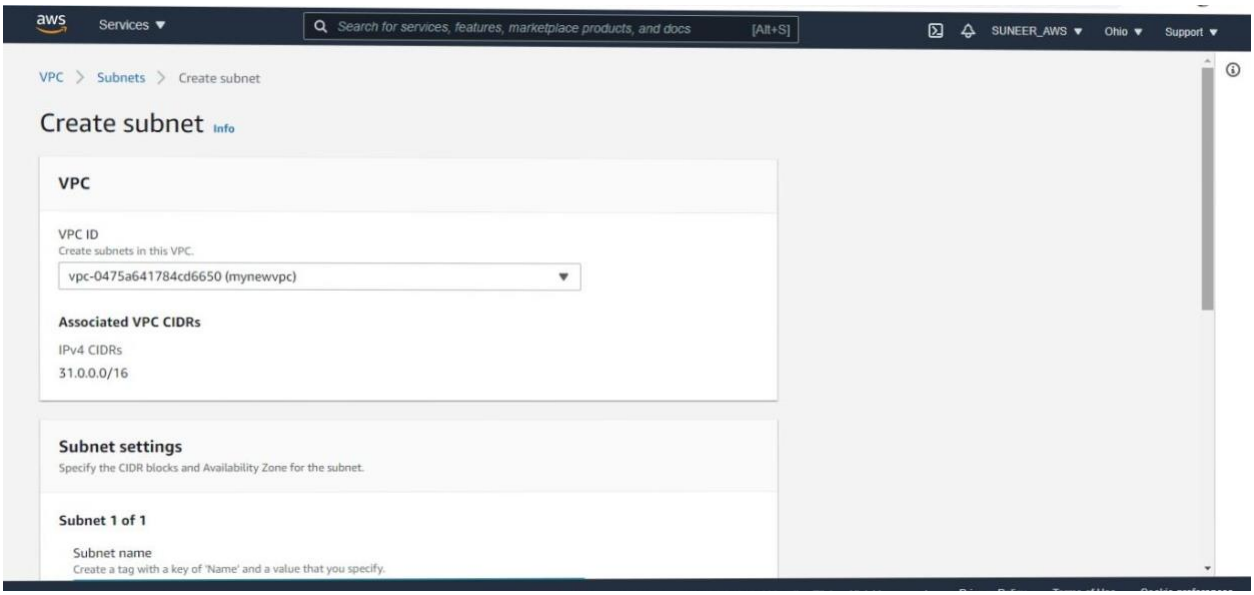
- **Enter the name for VPC (mynewvpc) and IPv4 CIDR as 31.0.0.0/16**



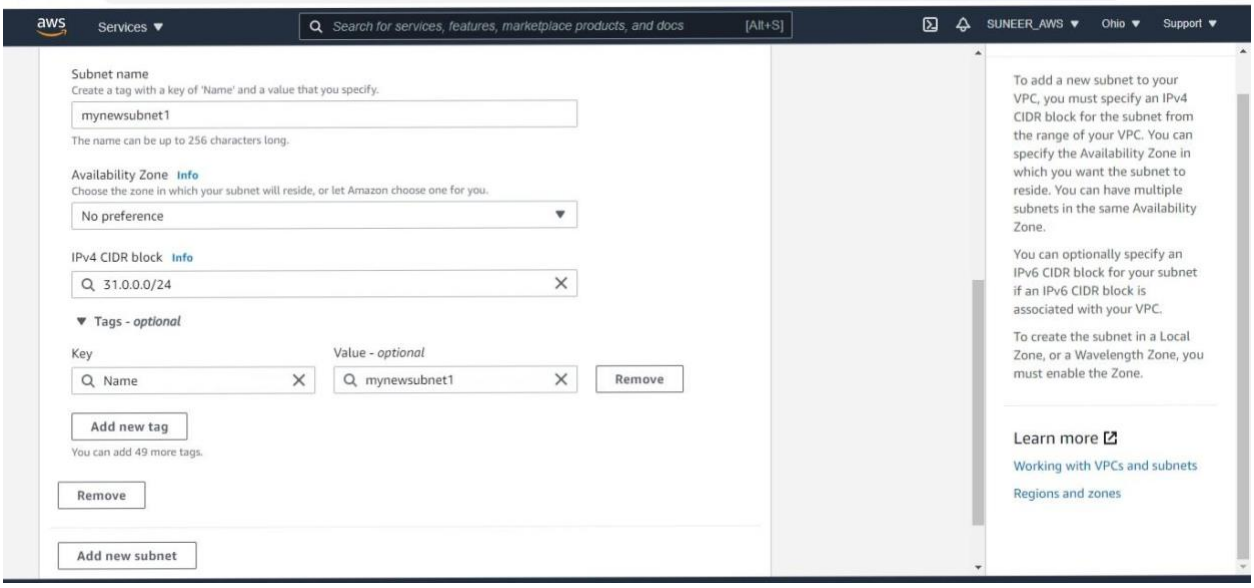
- **We have created the VPC successfully**



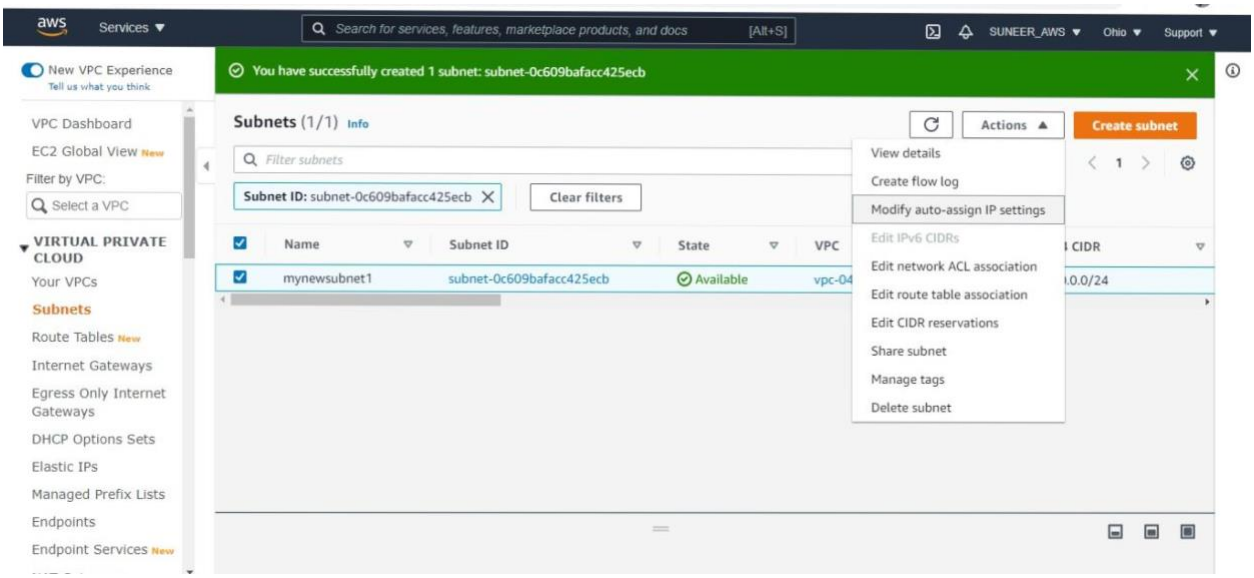
- **Now create new subnet . Select the vpc and enter name for the subnet.**



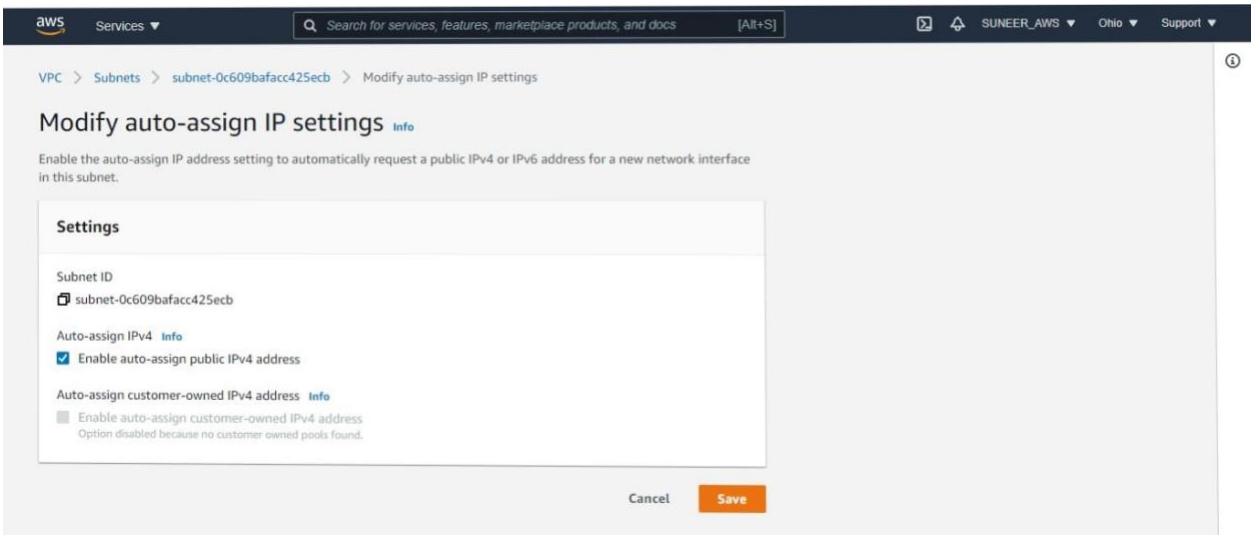
- **Created subnet with name mynewsubnet1 and IPv4 CIDR block as 31.0.0.0/24**



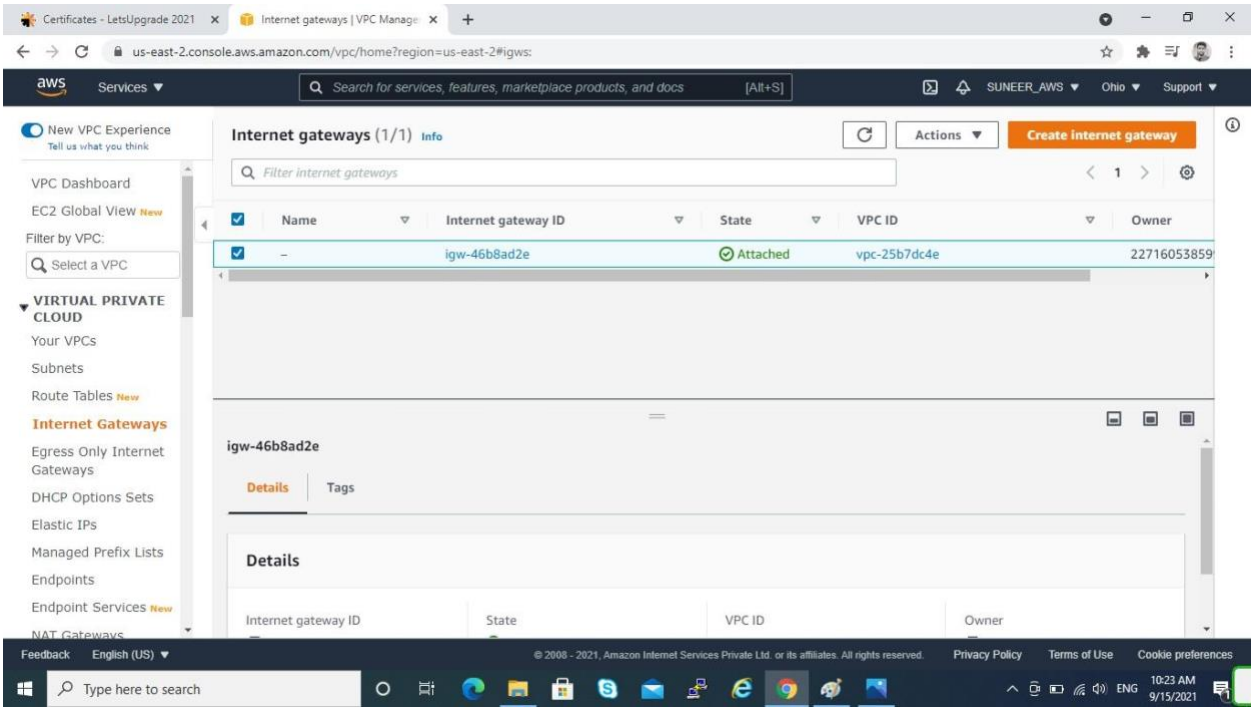
- **We need to enable auto assign public IP . Select the subnet and click on Actions-> Modify auto-assign IP settings.**



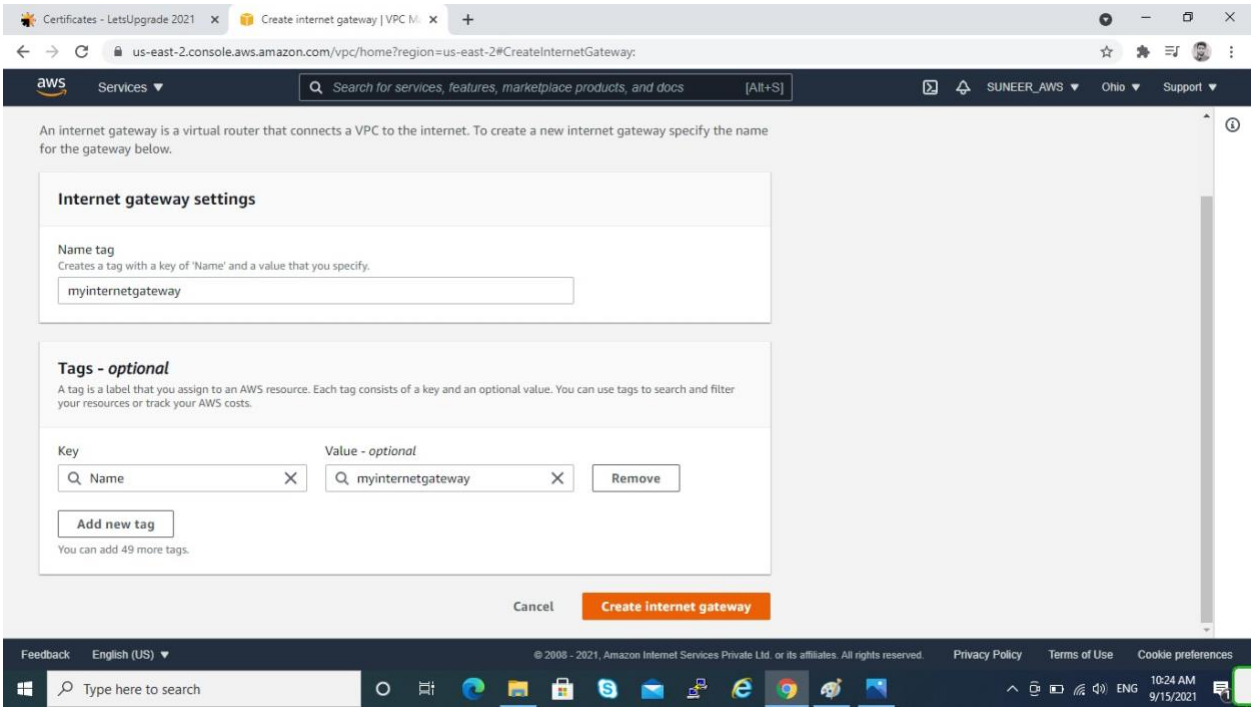
- **Enable auto-assign public IPv4 address and save the settings**



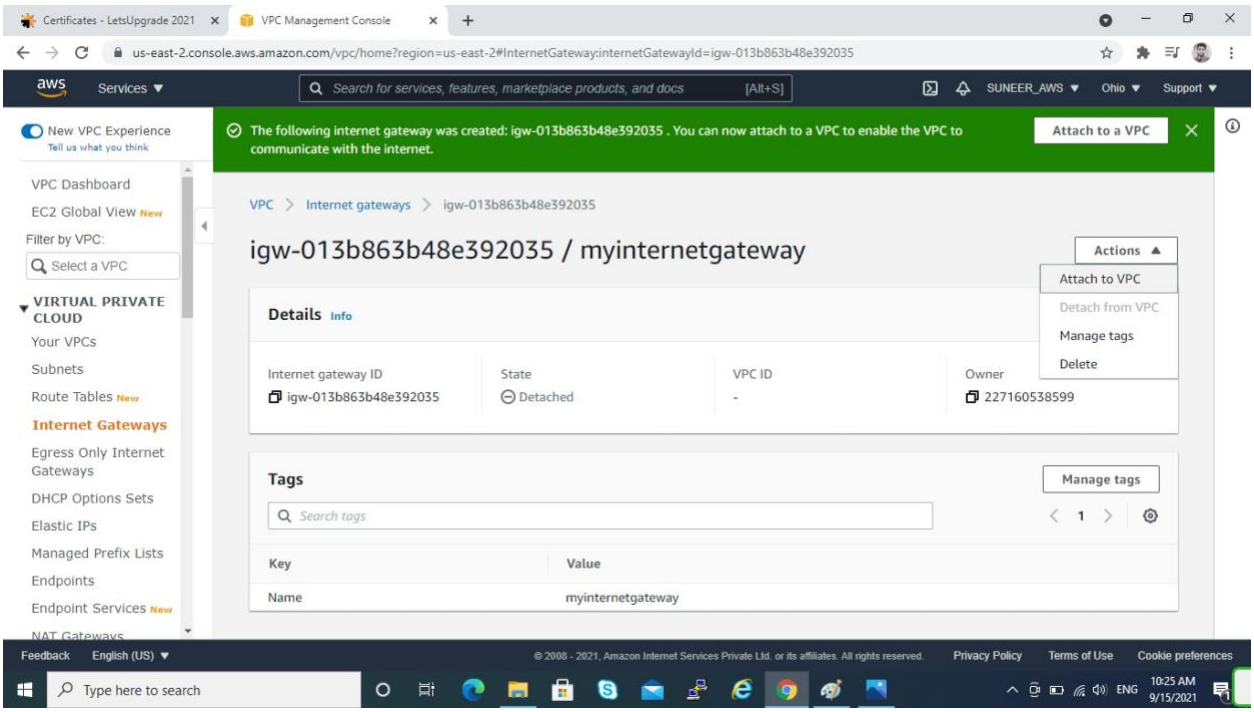
- **Take internet gateway option and click on create internet gateway**



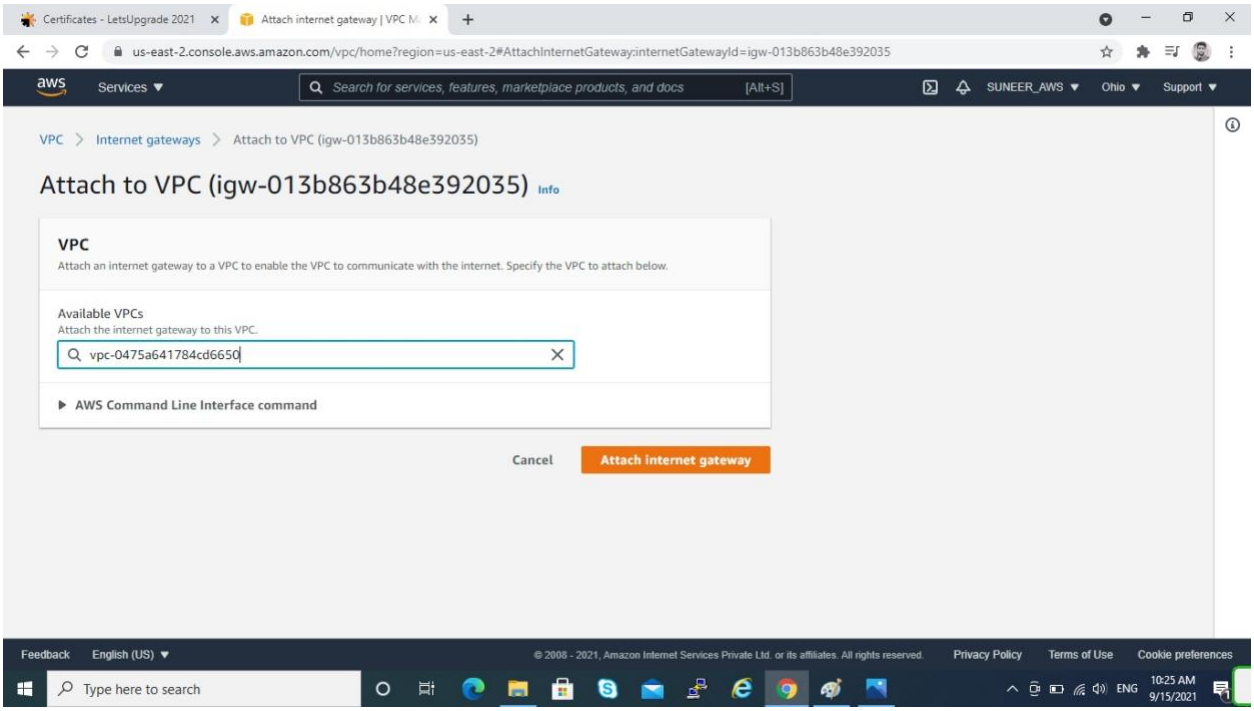
- **Now enter the name for the gateway and create**



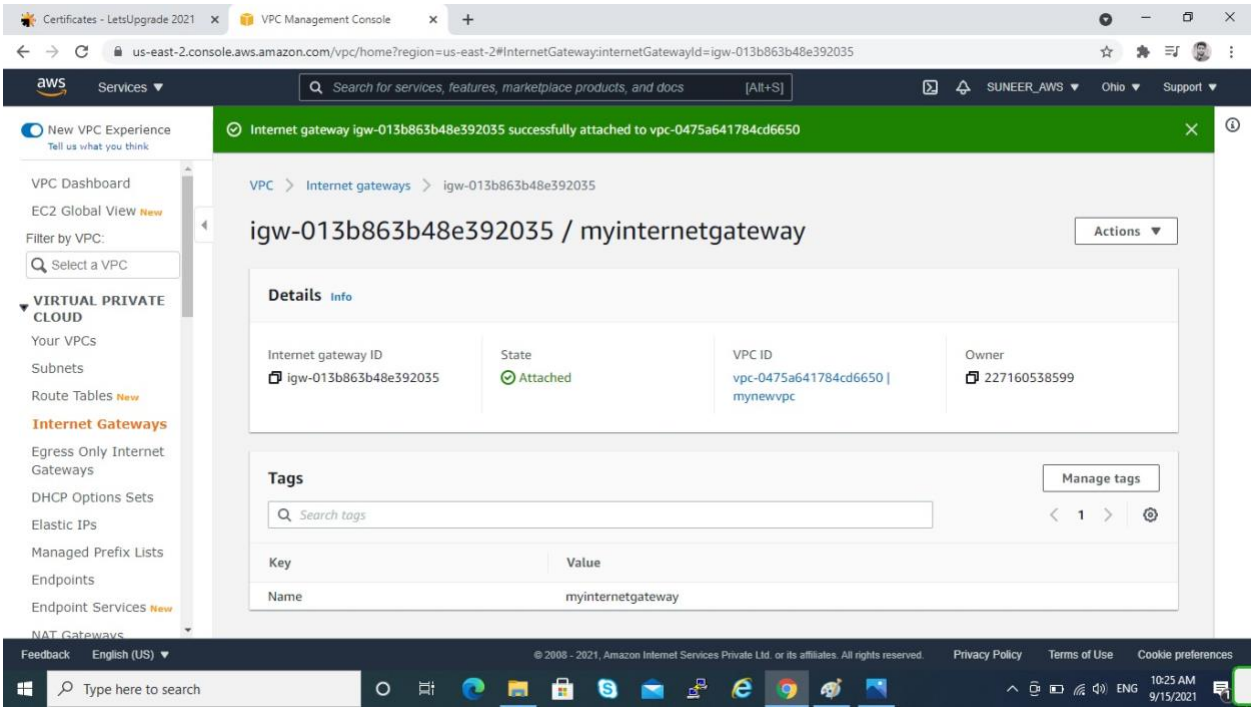
- **Attach the gateway to the vpc by click and select Actions-> Attach to vpc**



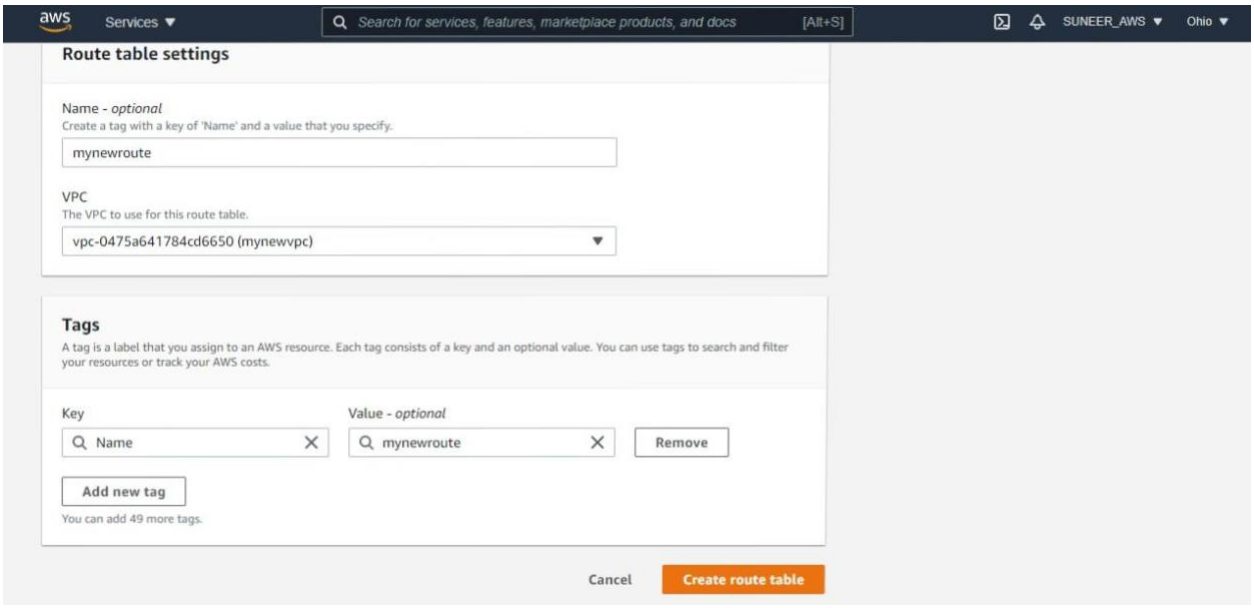
- **Now select the vpc that we need to attach and continue.**



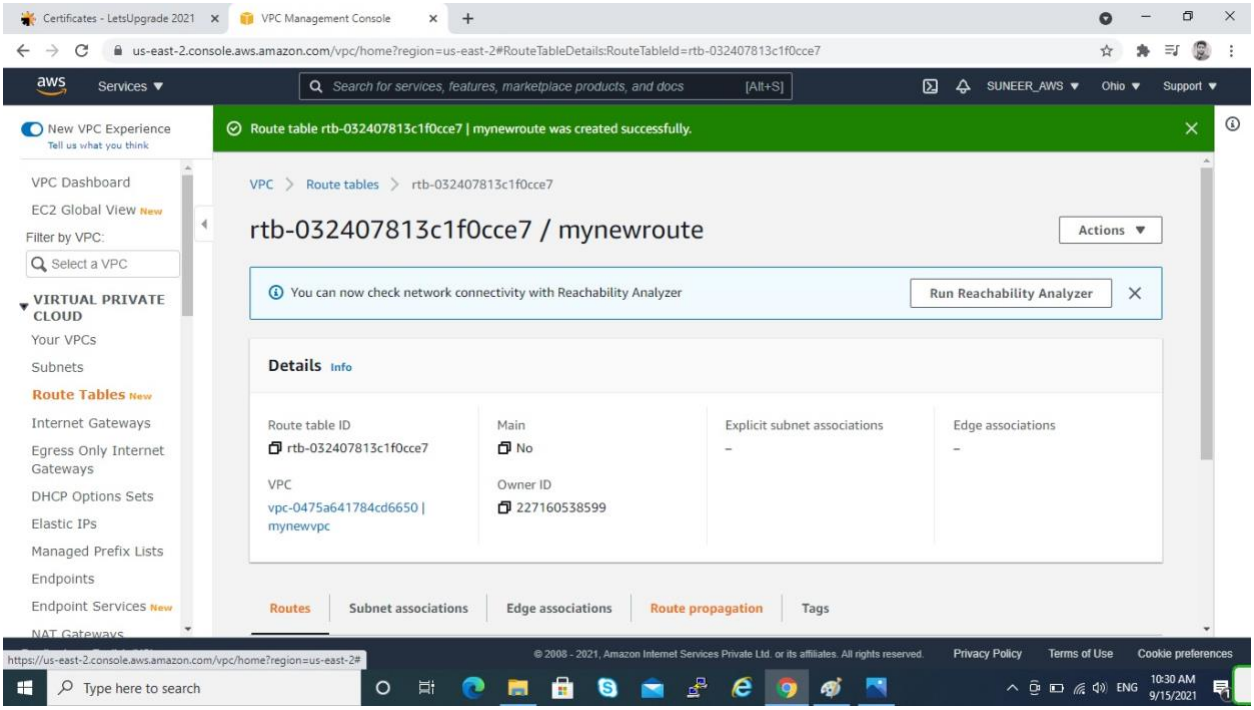
- **Vpc attached successfully. Now we can see the vpc id that is attached to the gateway.**



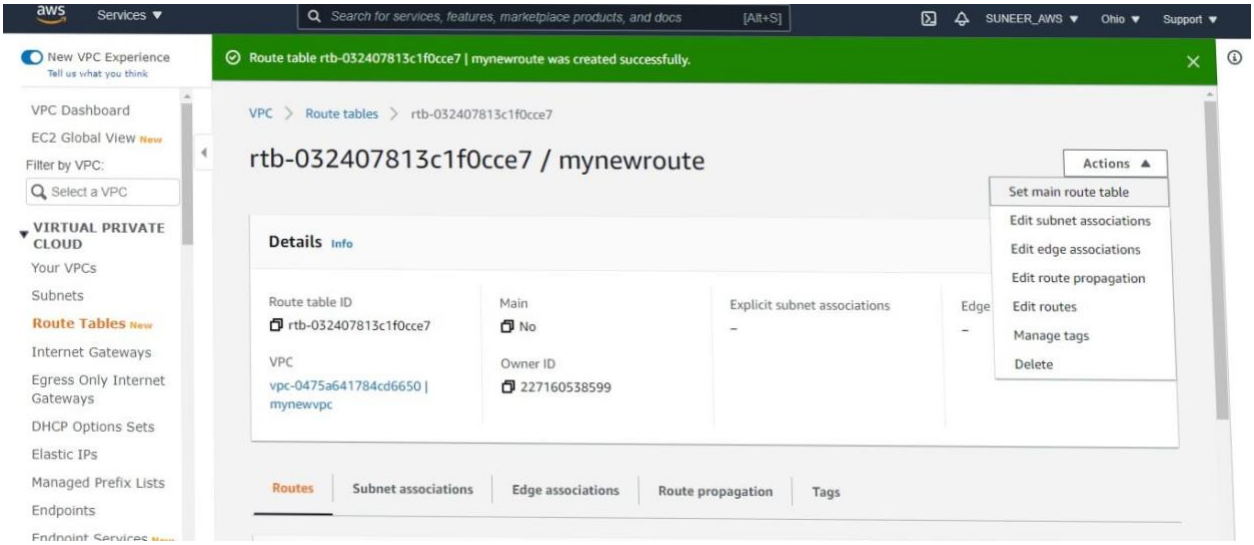
- **Now create route table. Mentioned the name as “mynewroute” and selected the VPC and create the route table.**



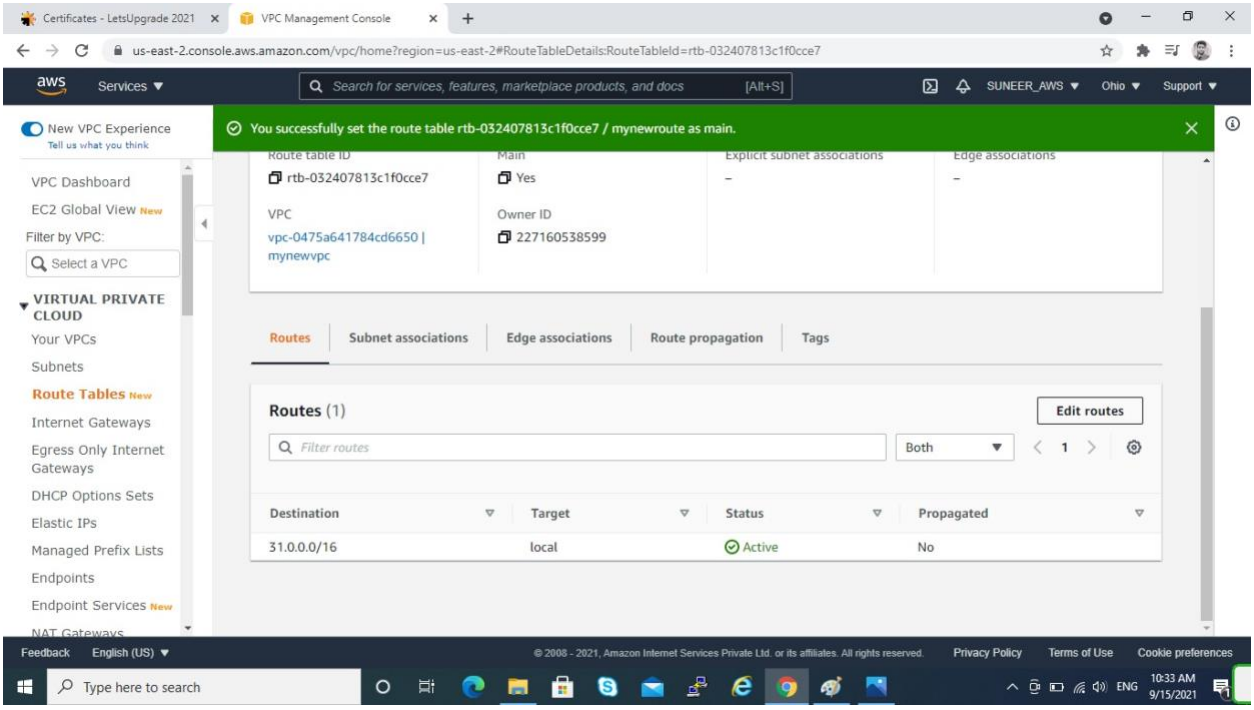
- **New route table is created successfully.**



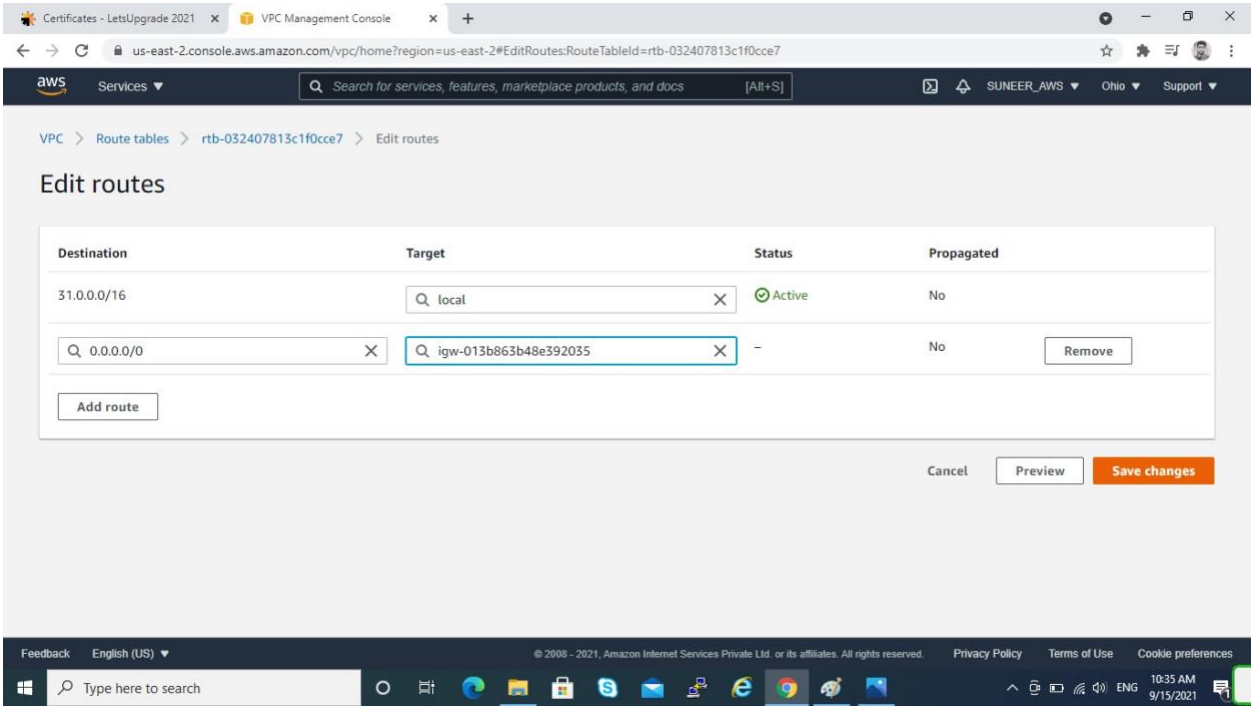
- **Set the route table as main. Click on Actions ->set main route table.**



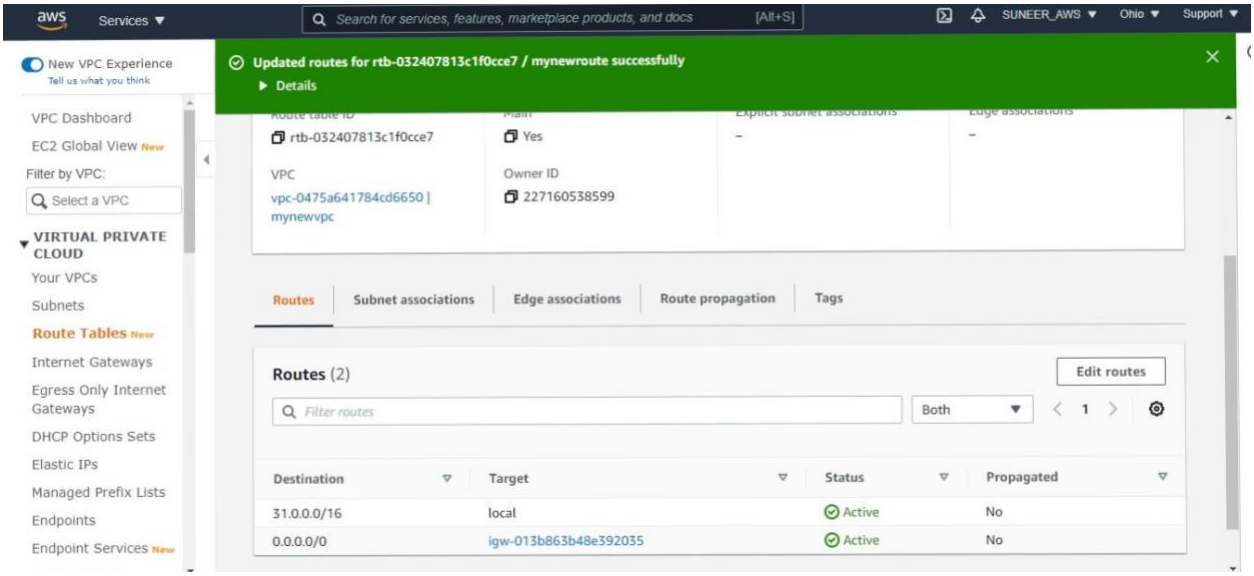
- **Changed the route table to main**



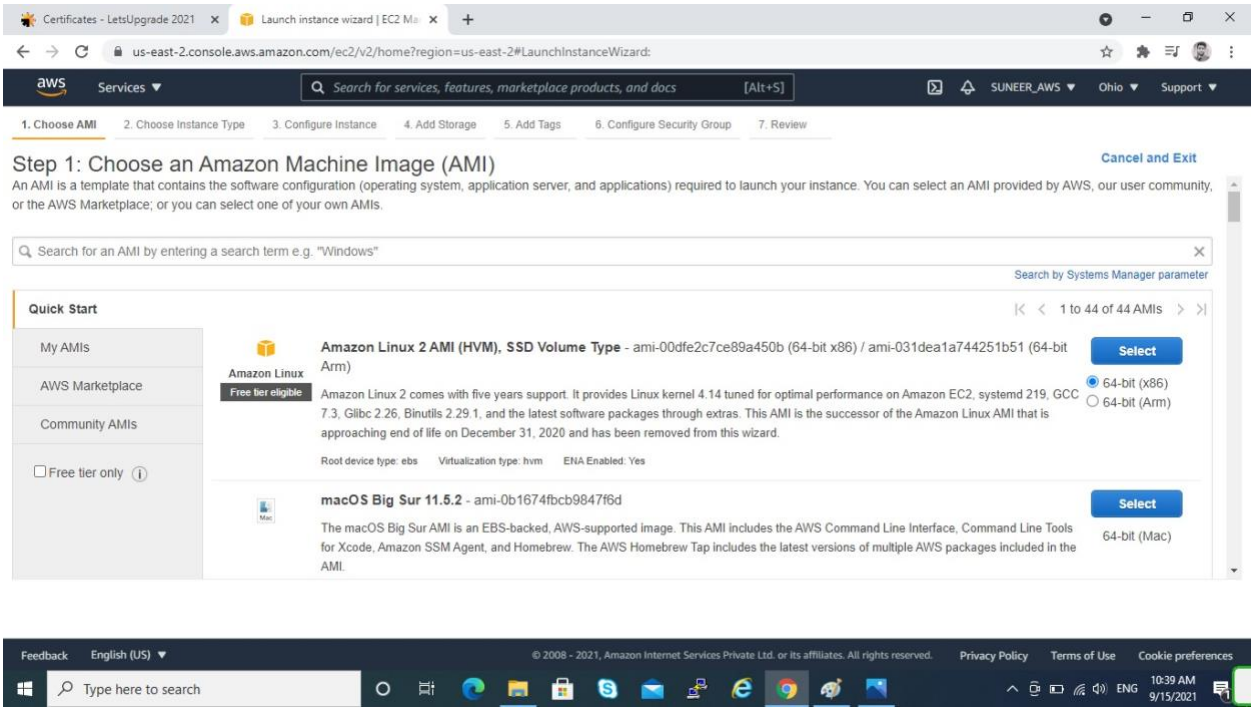
- **Now edit the route table and Add a new route. Provide 0.0.0.0/0 in the Destination and selevt the internet gateway from the target field and save changes**



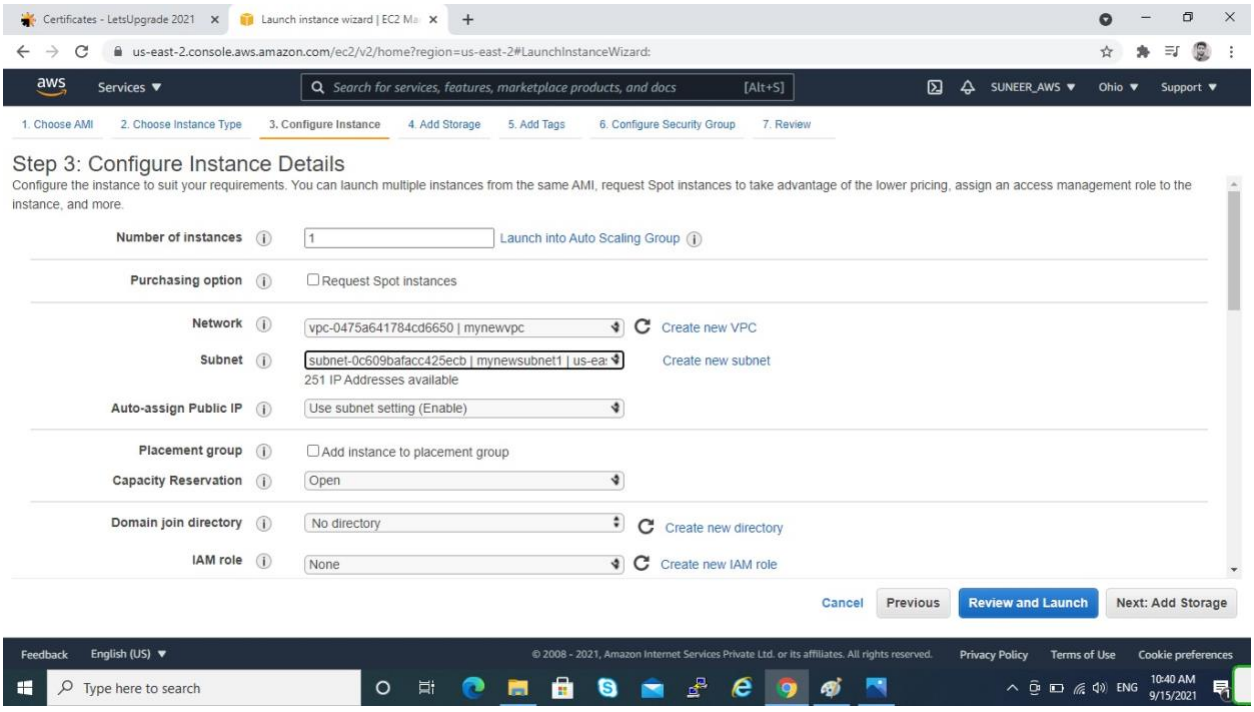
- **Route table is successfully updated.**



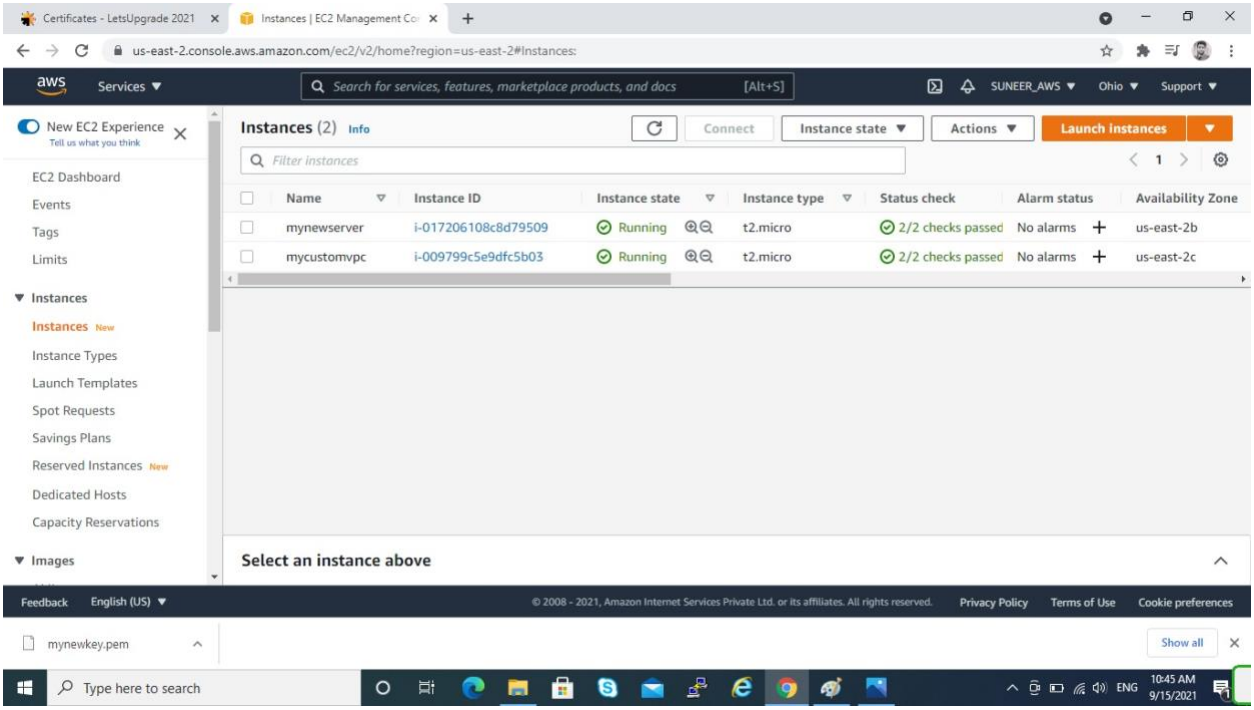
- **Let create a new instance with Amazon Linux 2 AMI .**



- **In the configuration details , select the network and subnet from the options , select the vpc that we have created. And the remaining settings are by default. Continue the remaining steps and finish.**



- **Now we have created an instance with custom vpc. Now connect the instance.**



- **Connected successfully.**