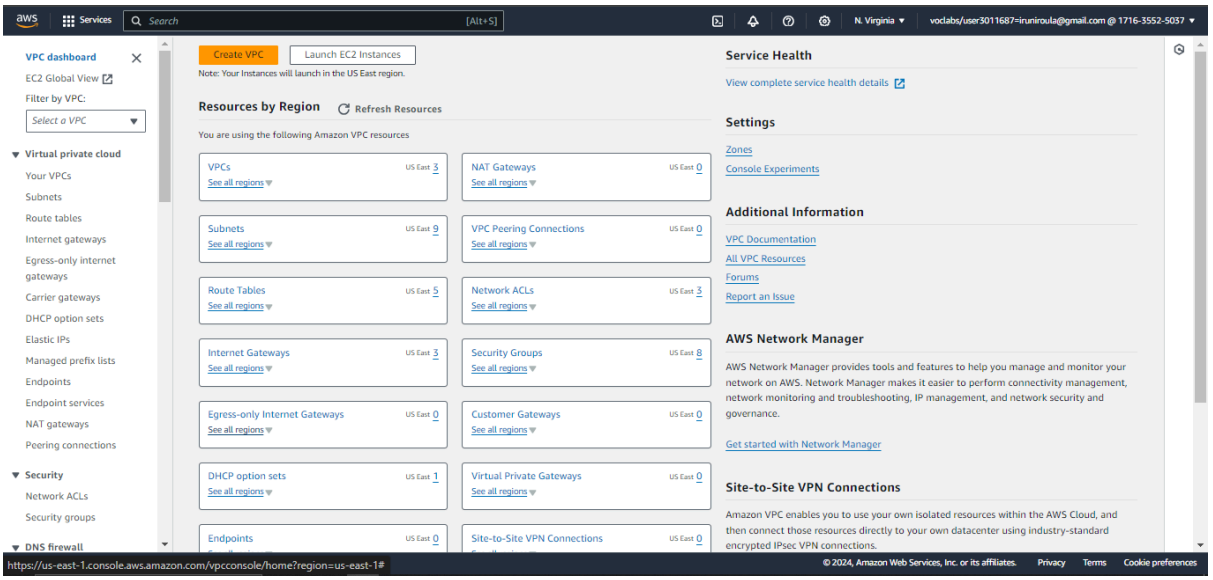
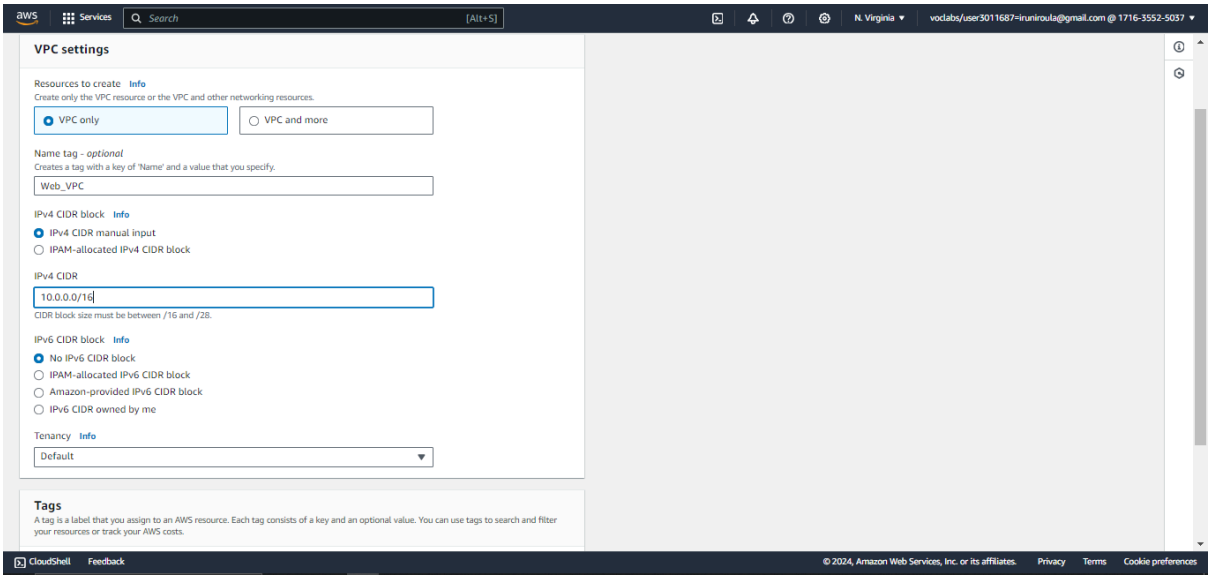
Task 1: hosting static website from linux machine.

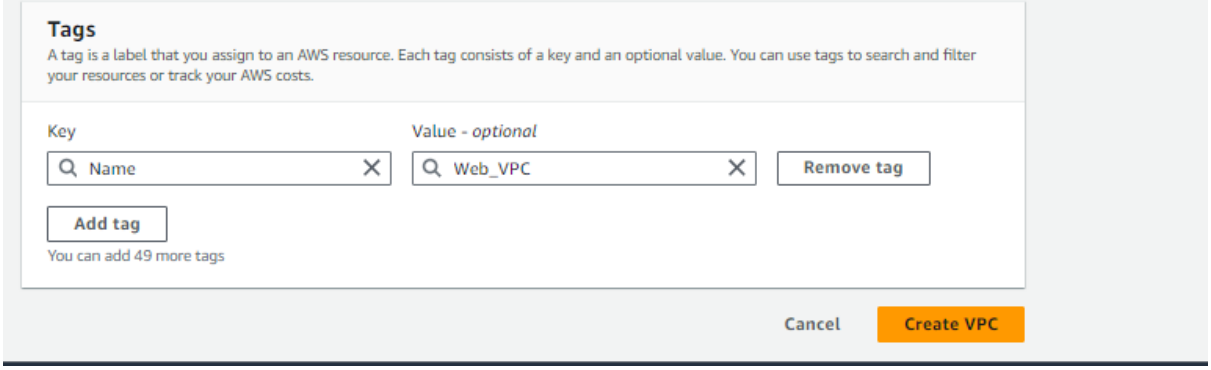
From the VPC dashboard click on create VPC



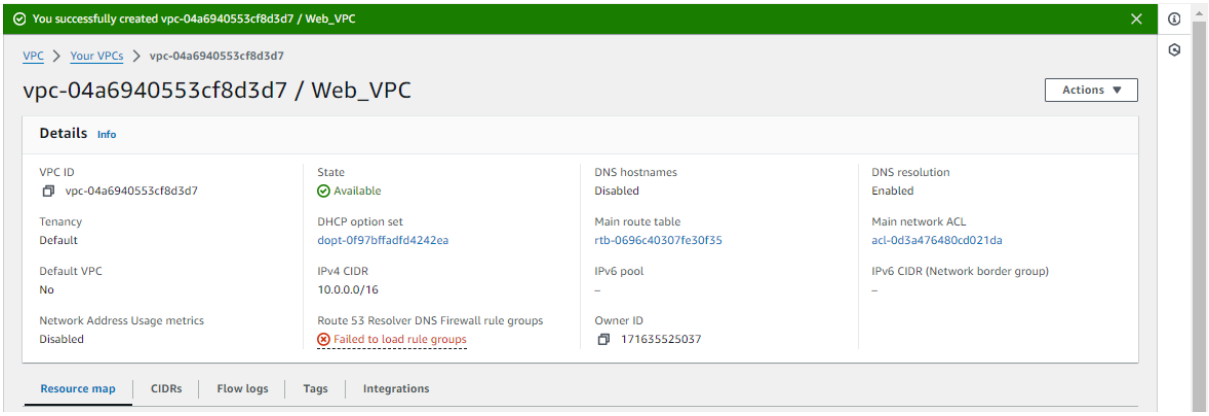
Configure VPC settings as follows: Provide name and IPv4 CIDR



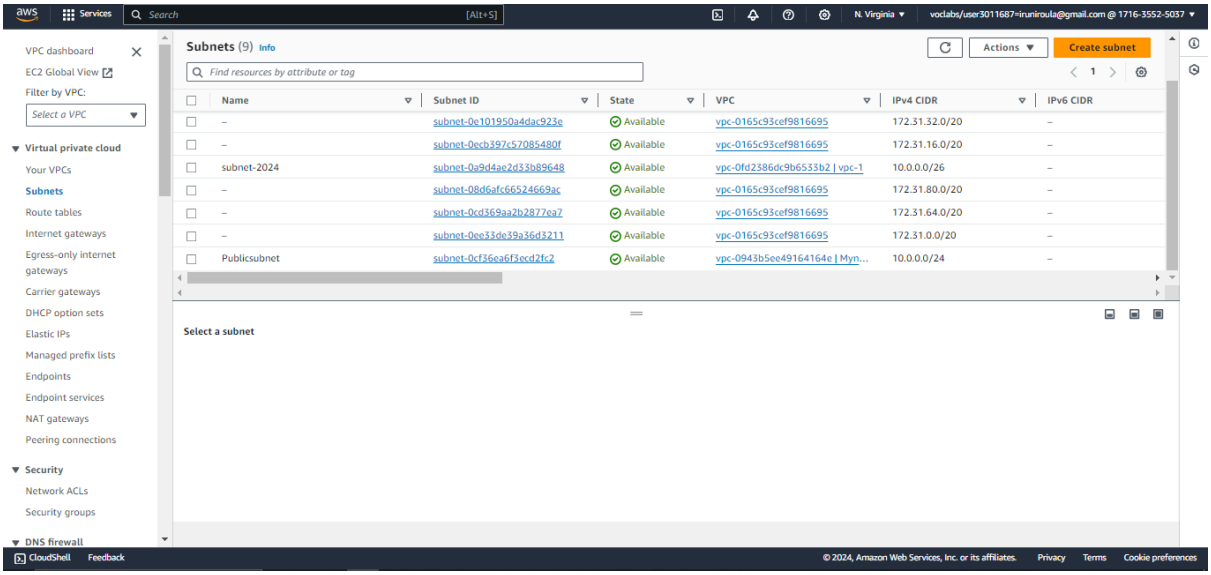
Click on create VPC



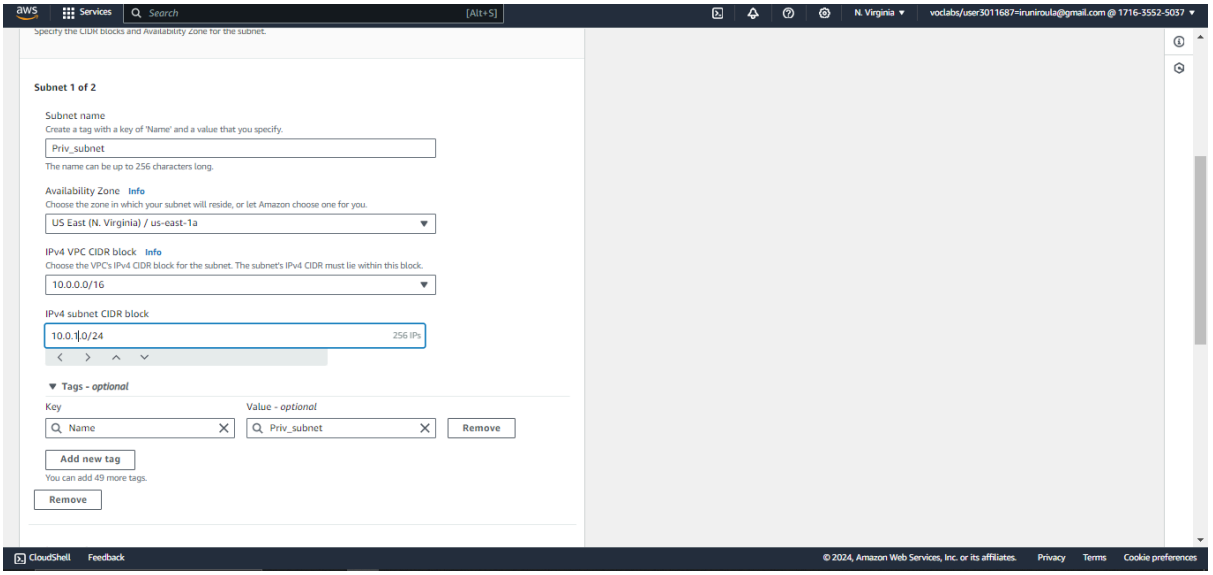
VPC with the name web_vpc is created



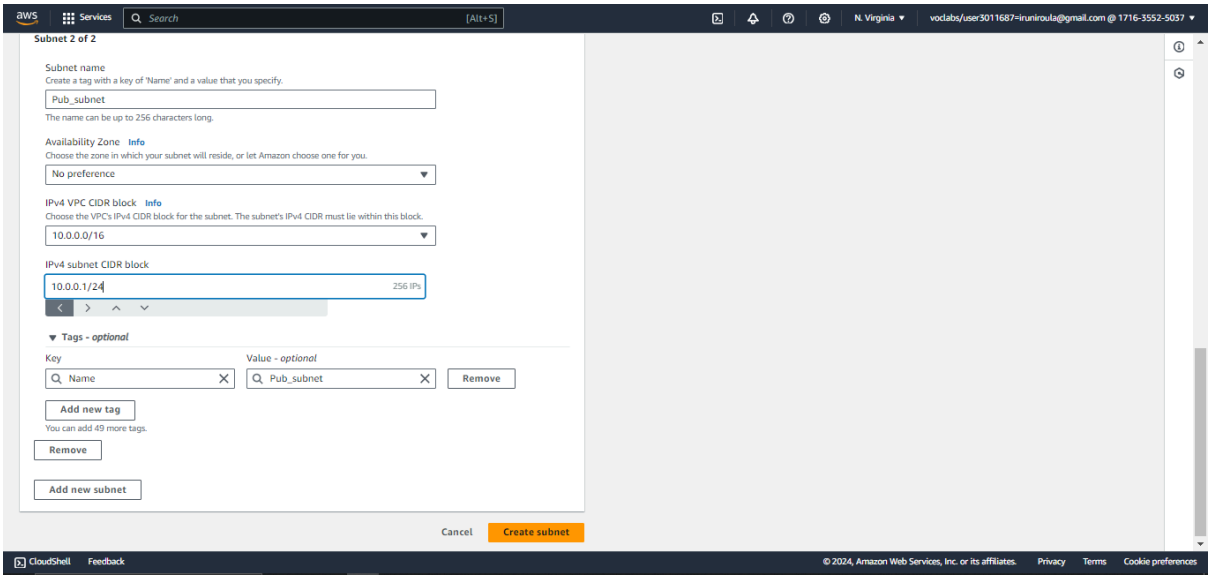
Click on Create Subnet by navigating to Subnets from the VPC dashboard



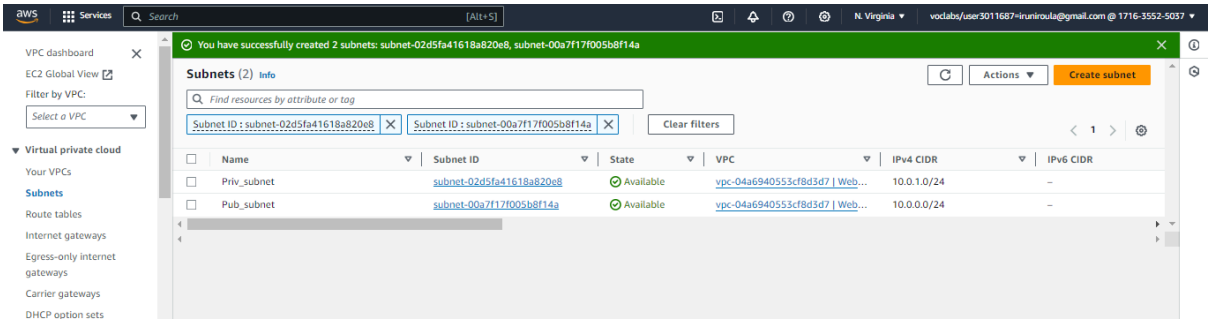
Here two subnets are created: Private and Public. This is the configuration for Private Subnet.



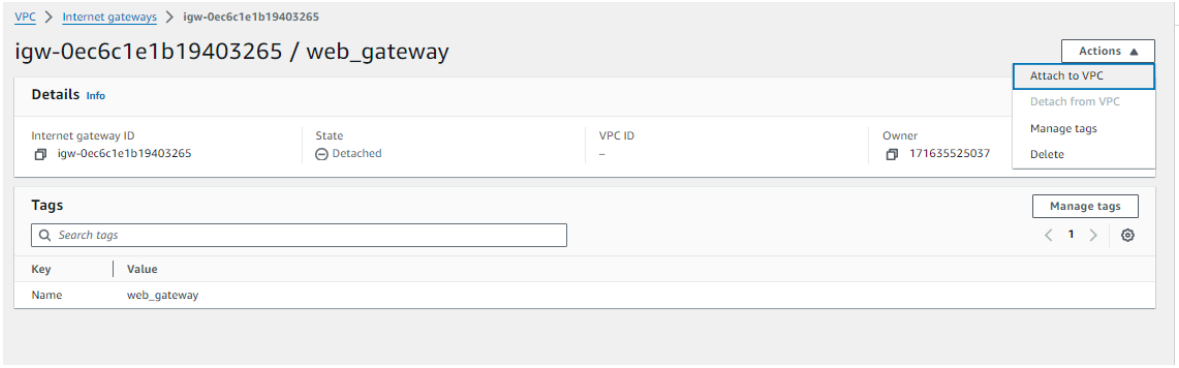
This is the configuration for Public Subnet

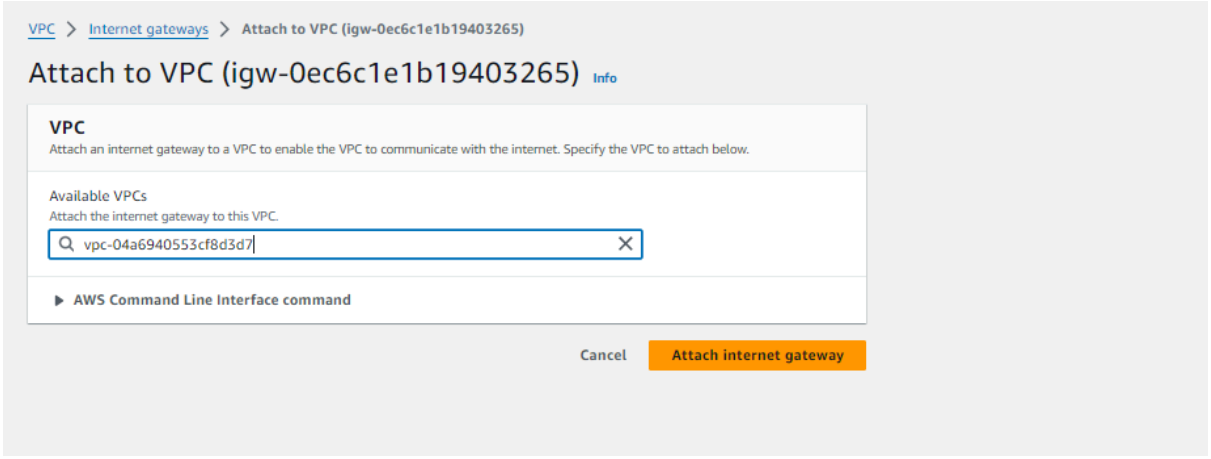


Both subnets are created.

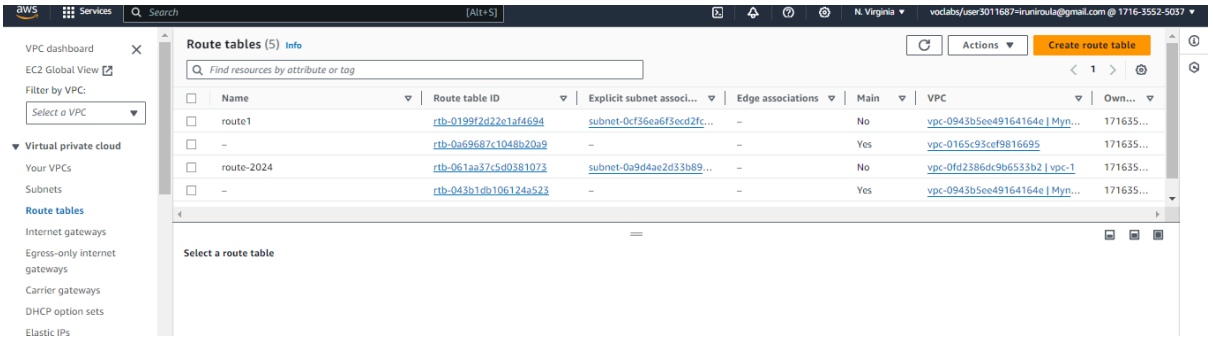


Create internet gateway and attach to VPC here web_gateway has been created and attached.

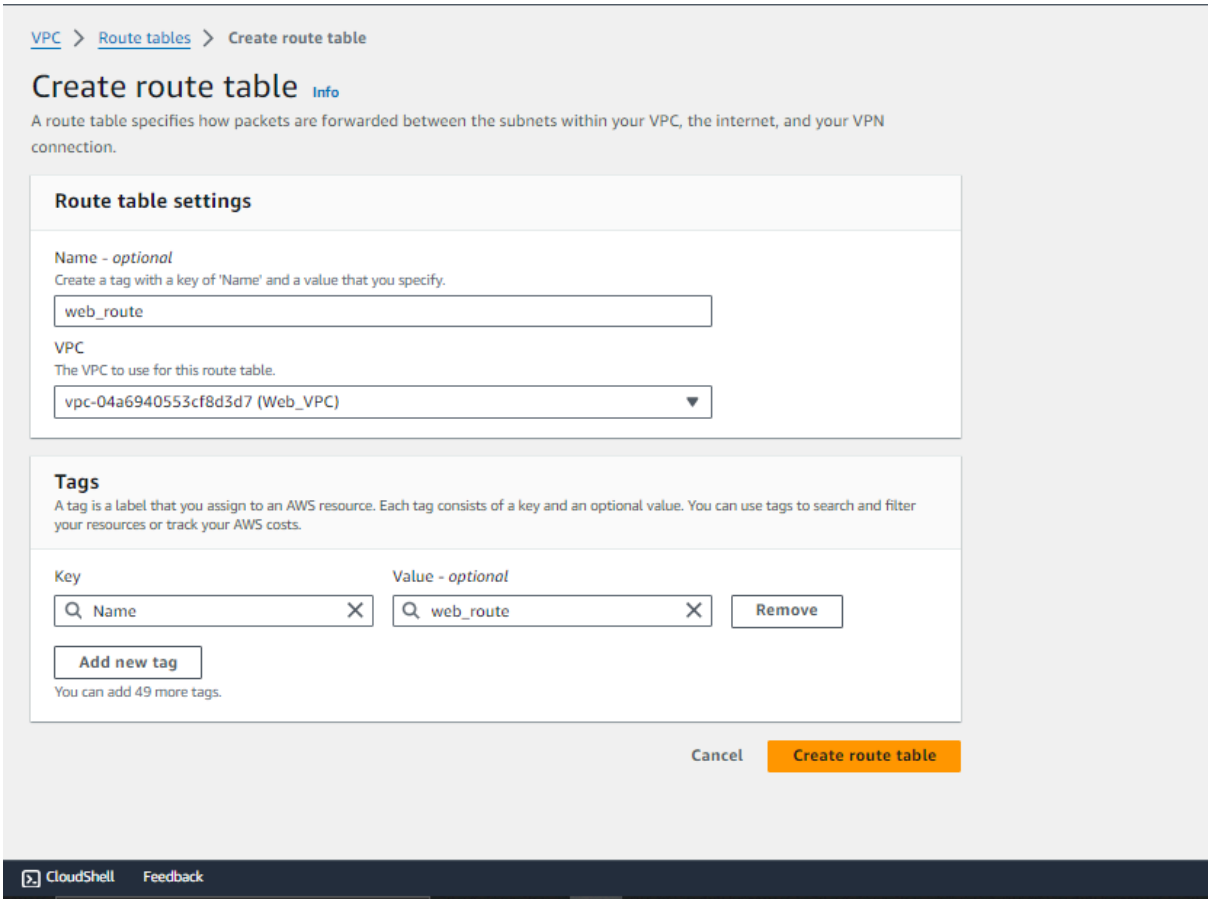




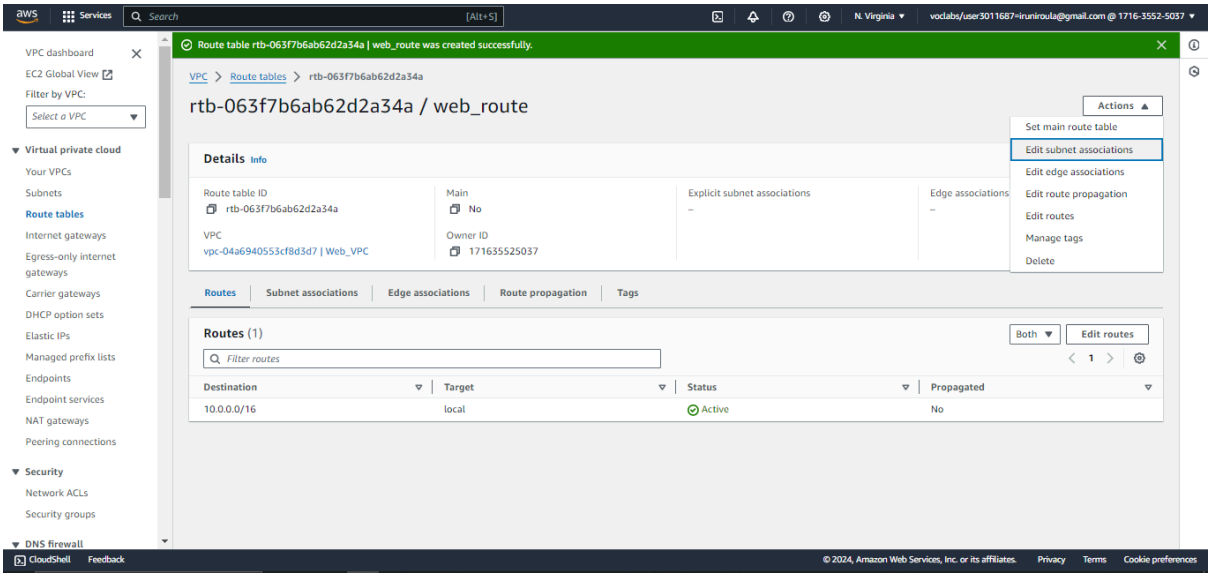
Navigate to Route Tables in VPC Dashboard and click on create route table

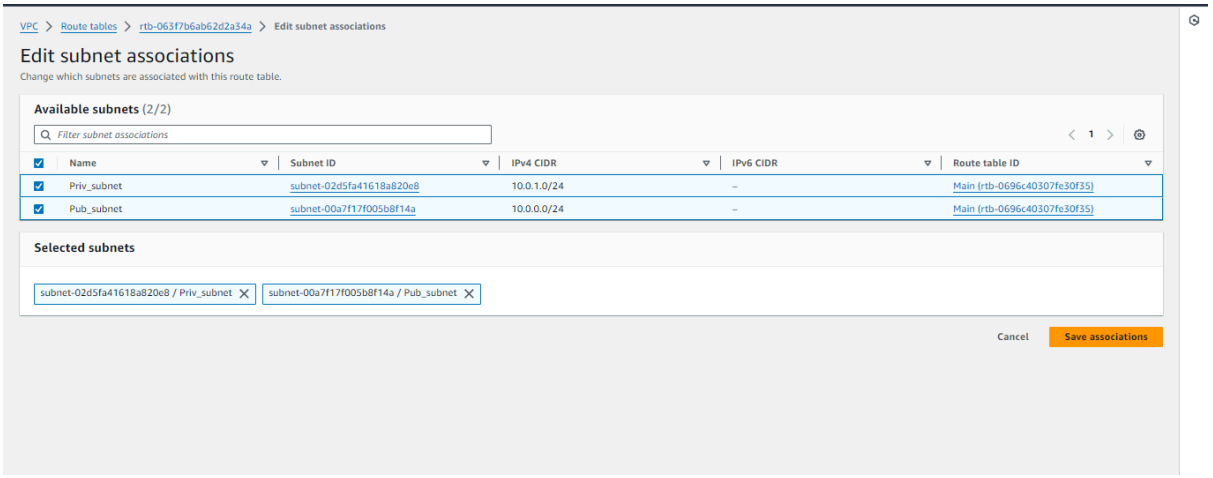


Configure Route Table

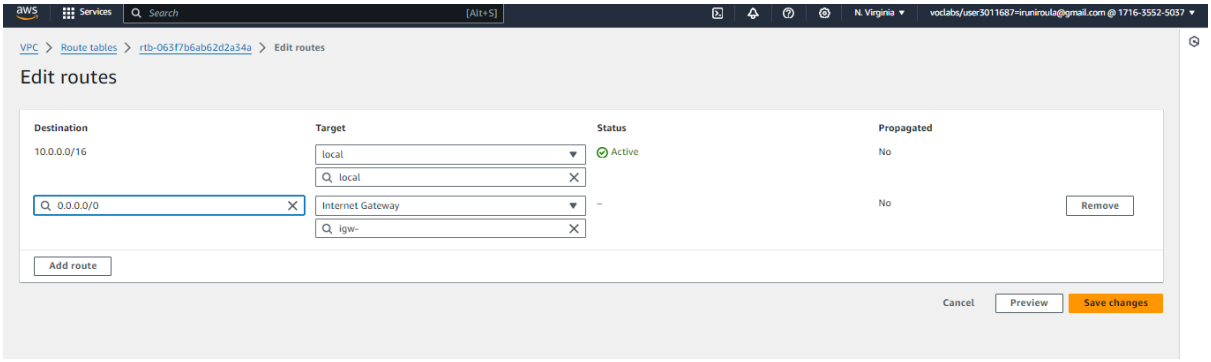


Click on Edit Subnet Associations

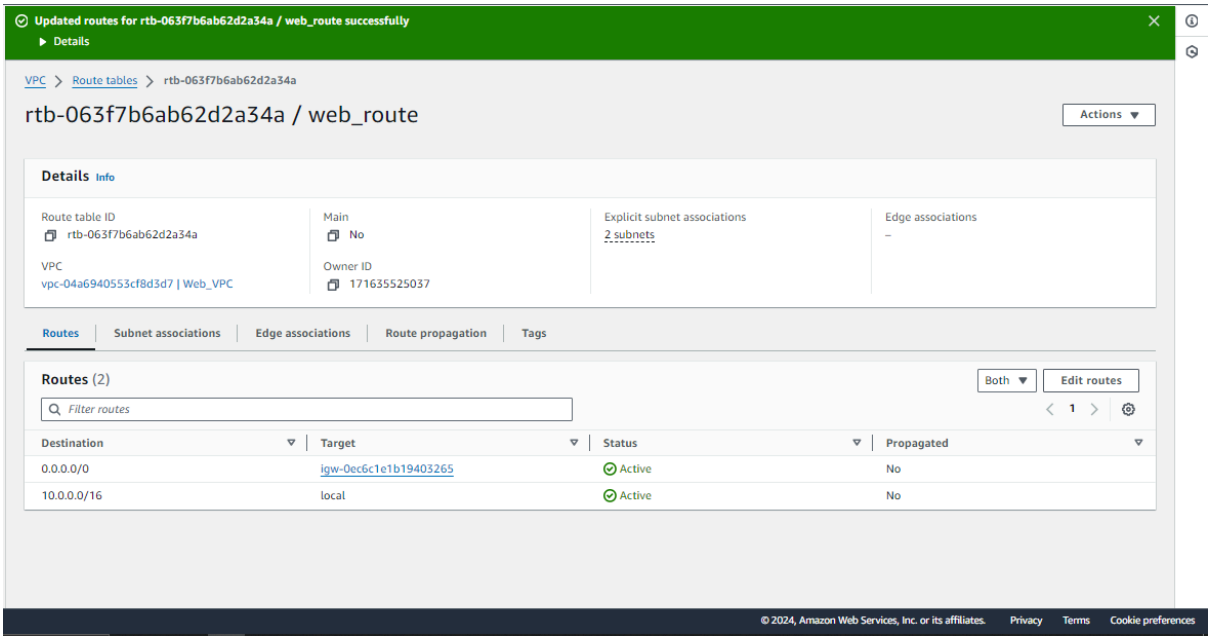




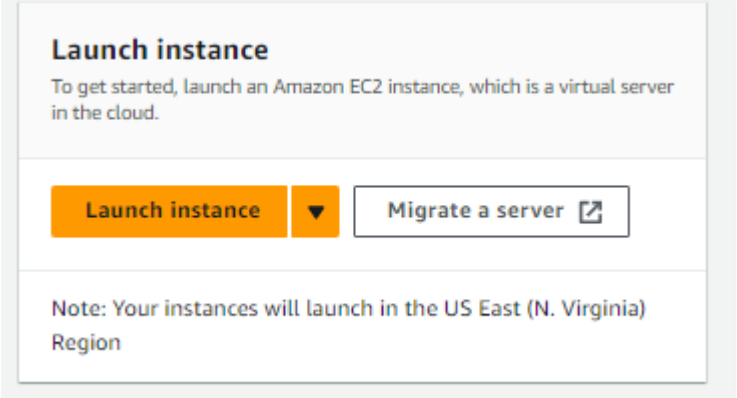
Click on Edit Routes and connect it to the Internet gateway



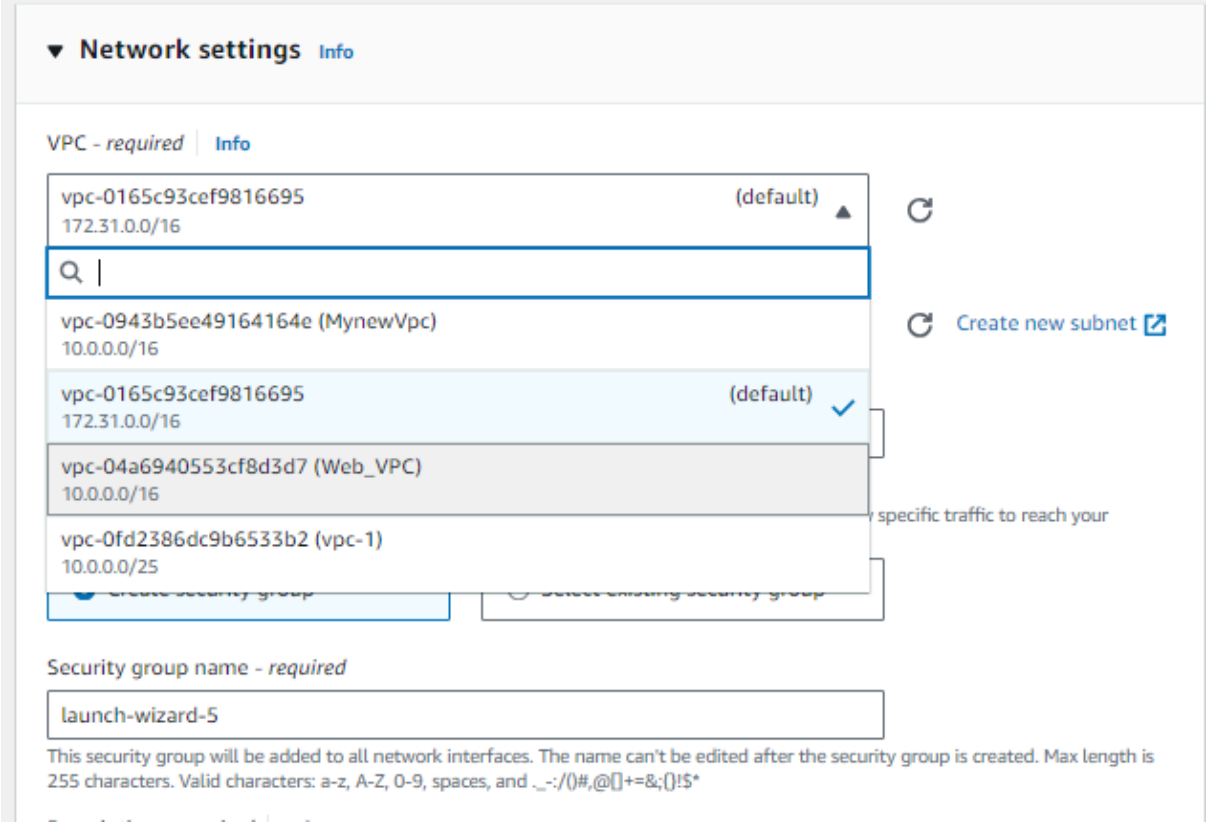
Route has been successfully configured.



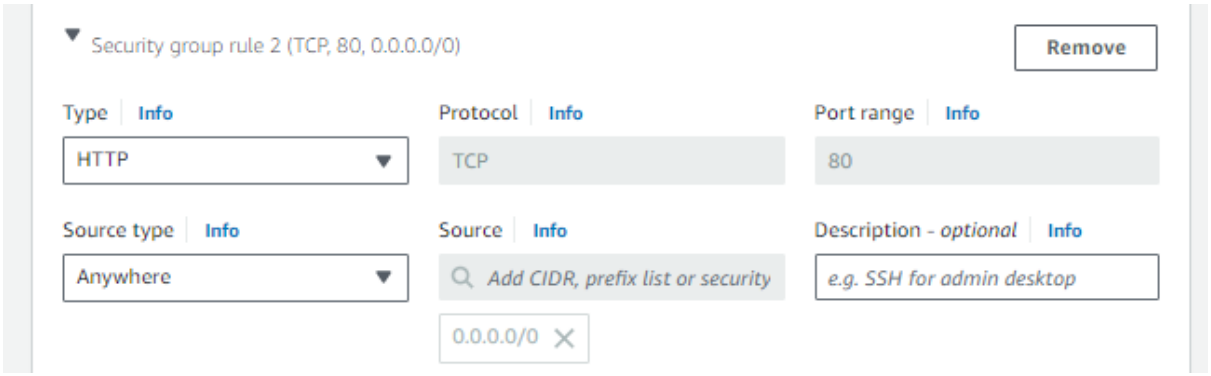
Navigate to the EC2 Dashboard and click on Launch Instance



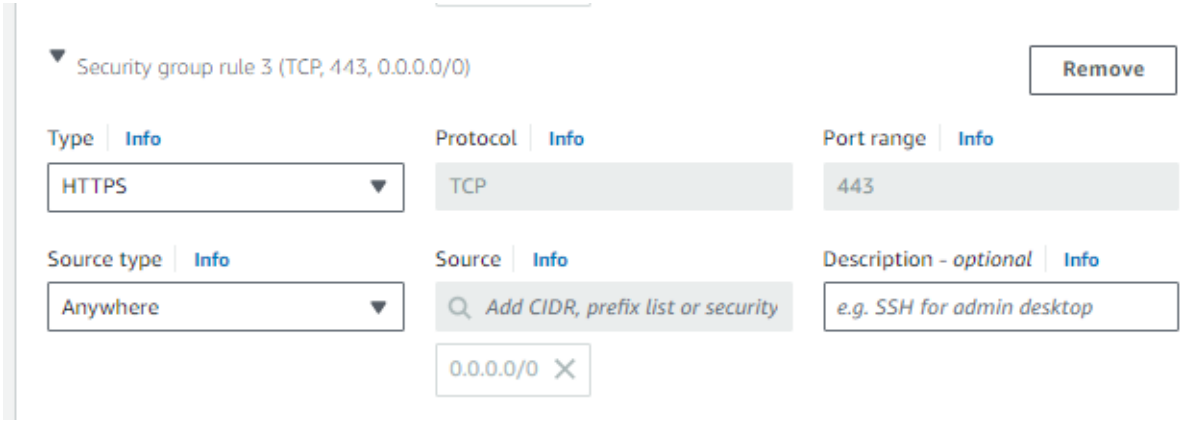
After providing name and selecting AMI as Linux for the EC2 configure its network settings by connecting it to the VPC created earlier.



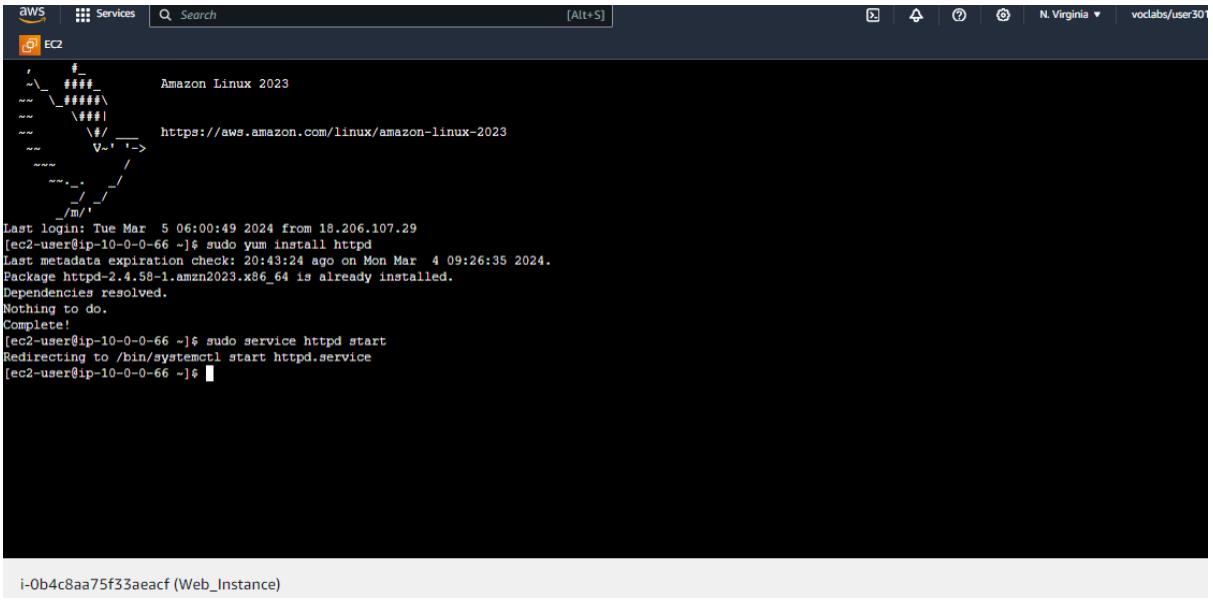
Set security group rule type as HTTP



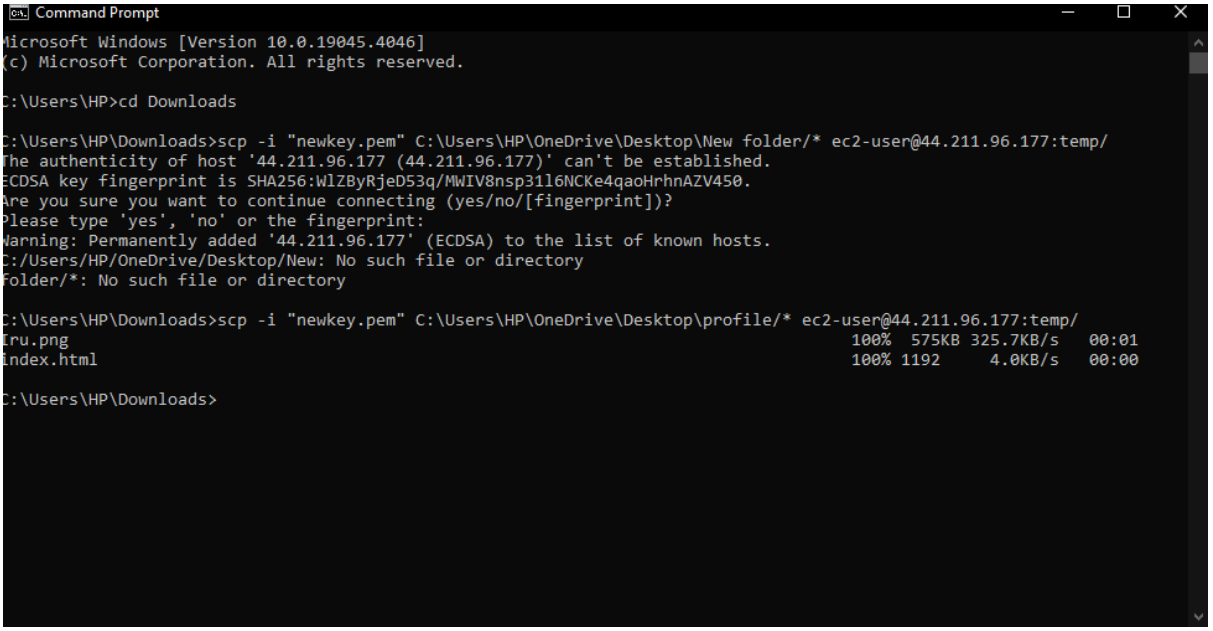
Add another Security group rule and set its type as HTTPS



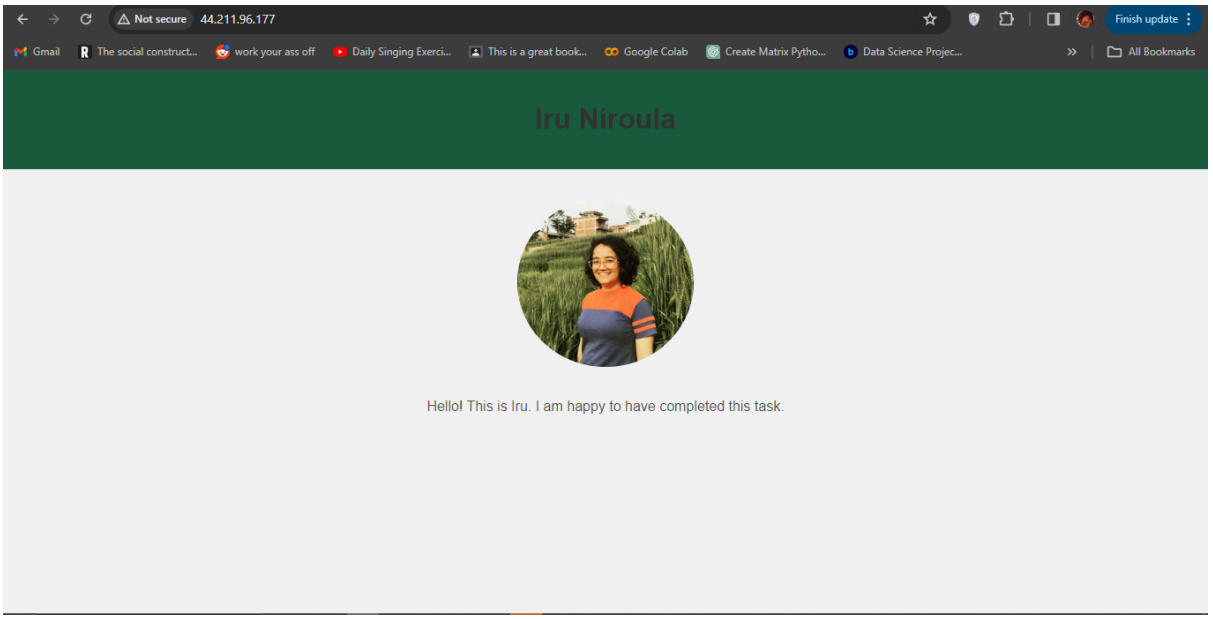
Launch Instance and connect to the instance and install httpd service



Loading data into the ec2 instance and hosted from local machine.

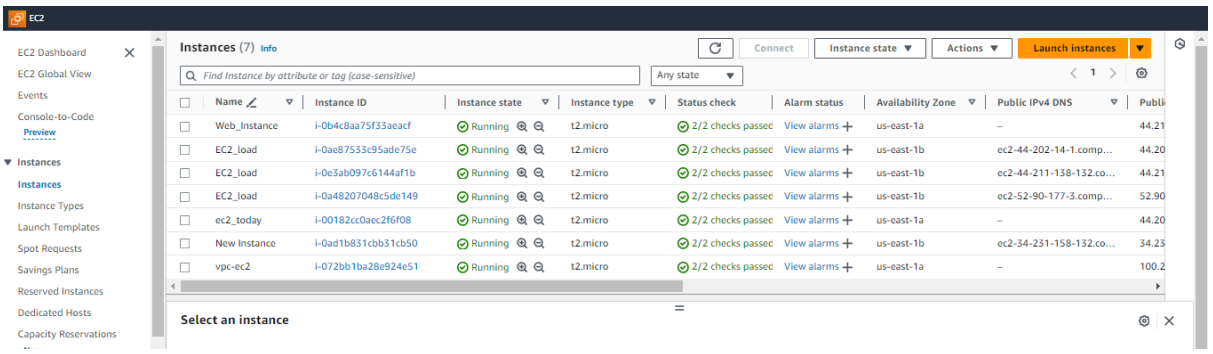


Profile hosted.

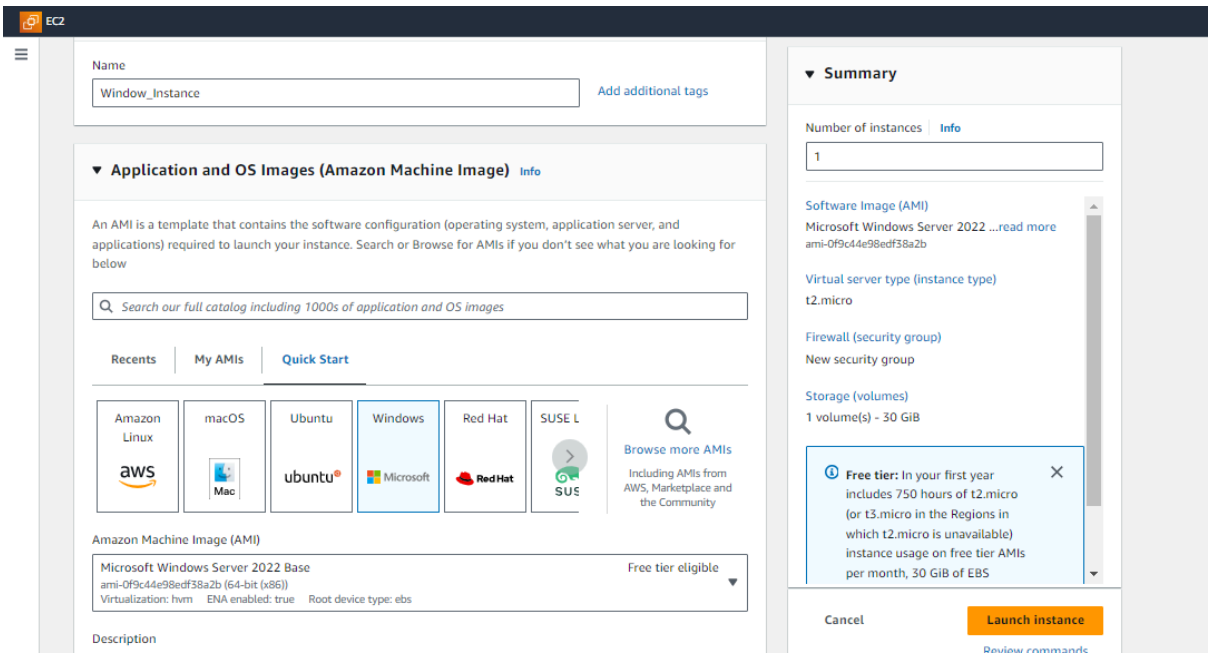


Task 2: hosting static website from windows machine

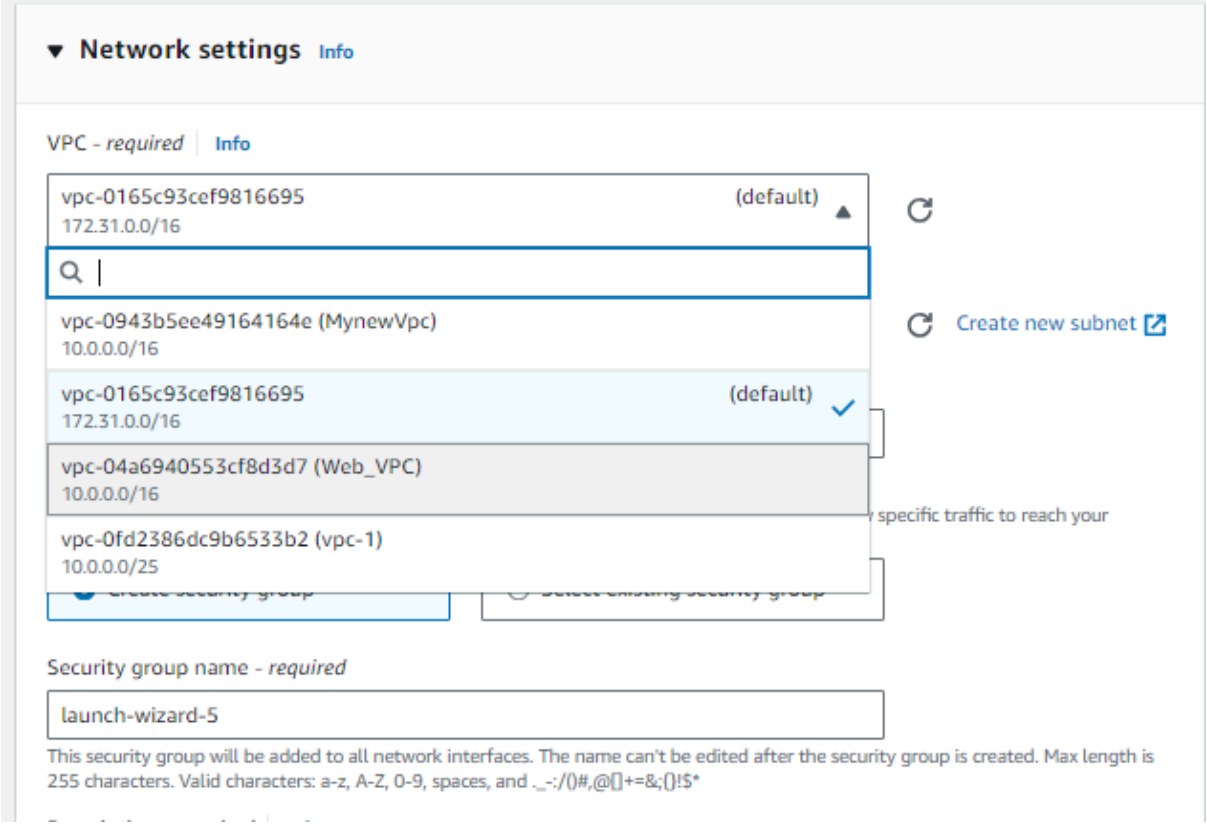
Launch a new ec2 instance

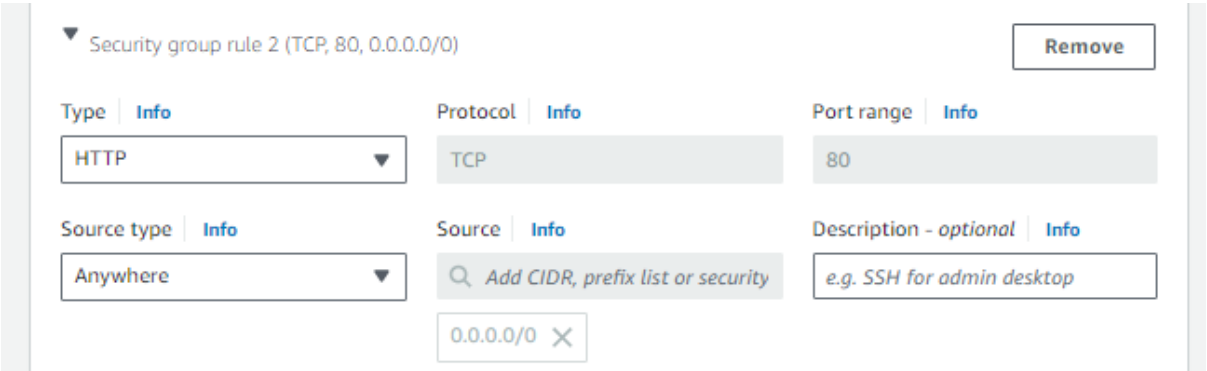


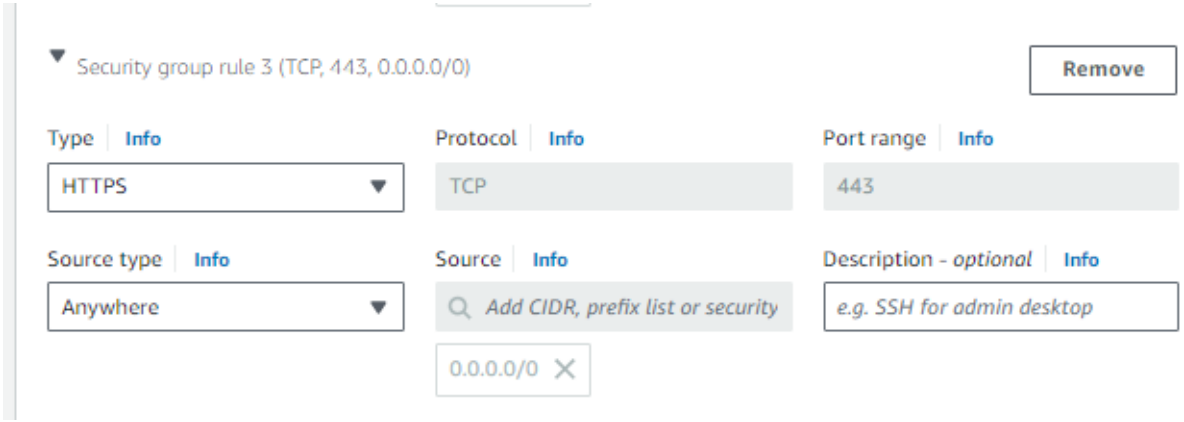
Provide name and select Windows as AMI



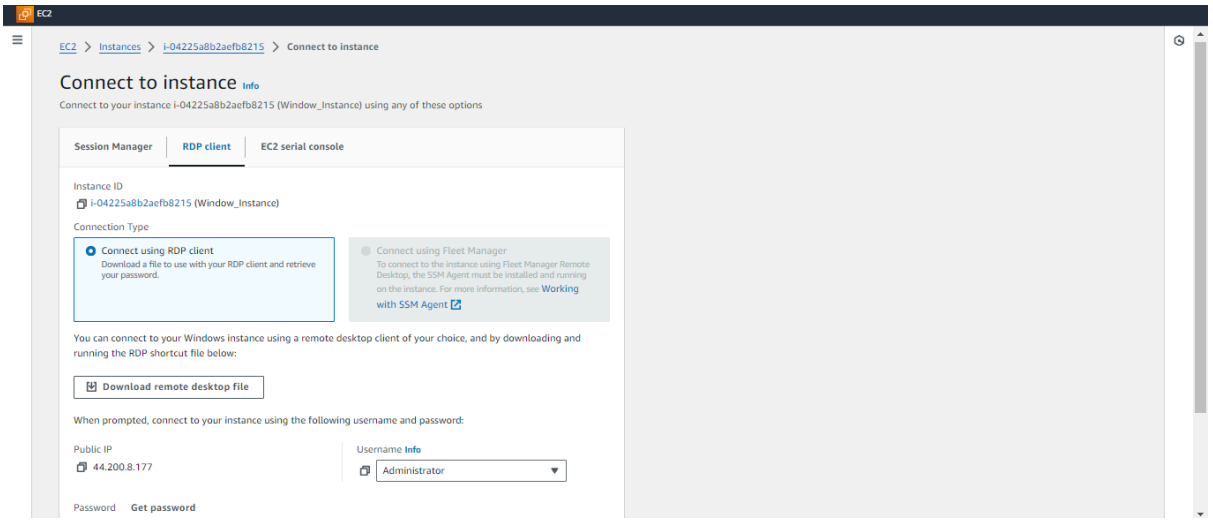
Configure network settings as follows



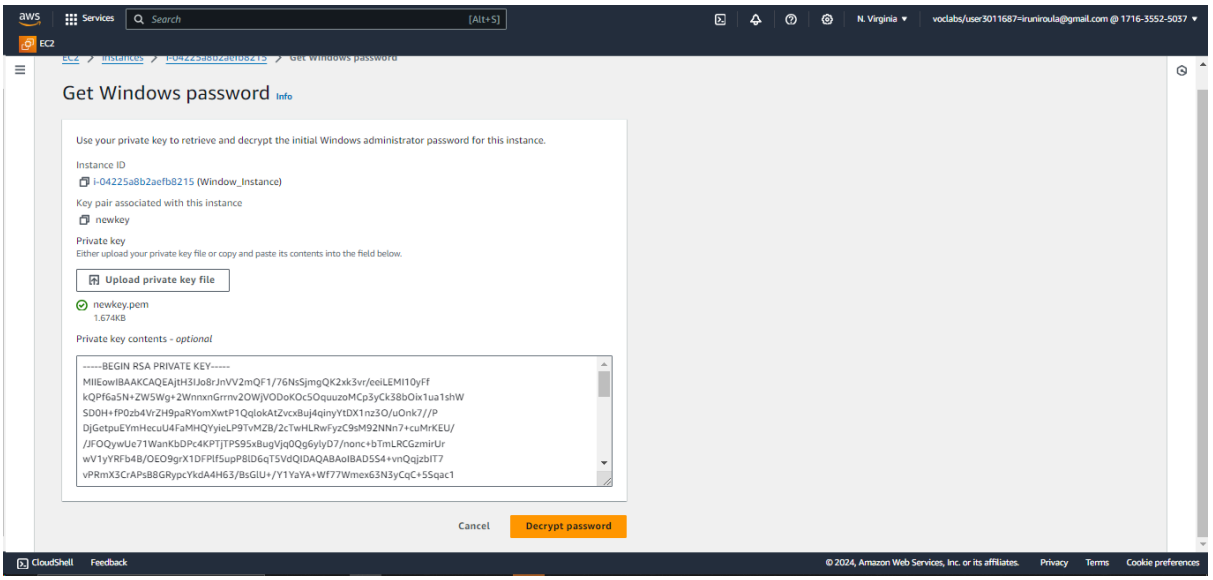




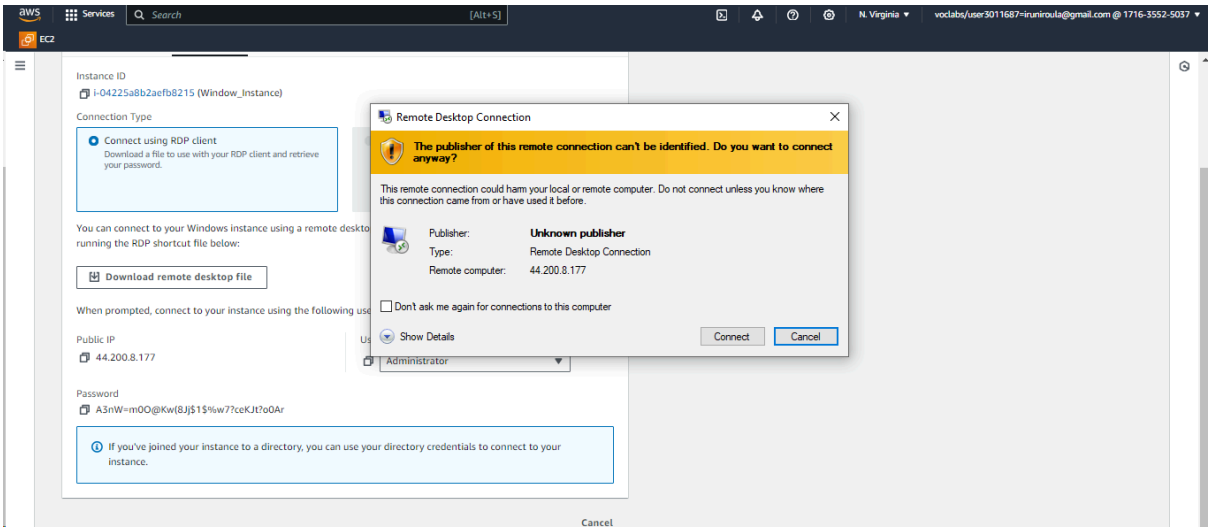
Connect to the EC2 instance via RDP client and click on Download remote desktop file



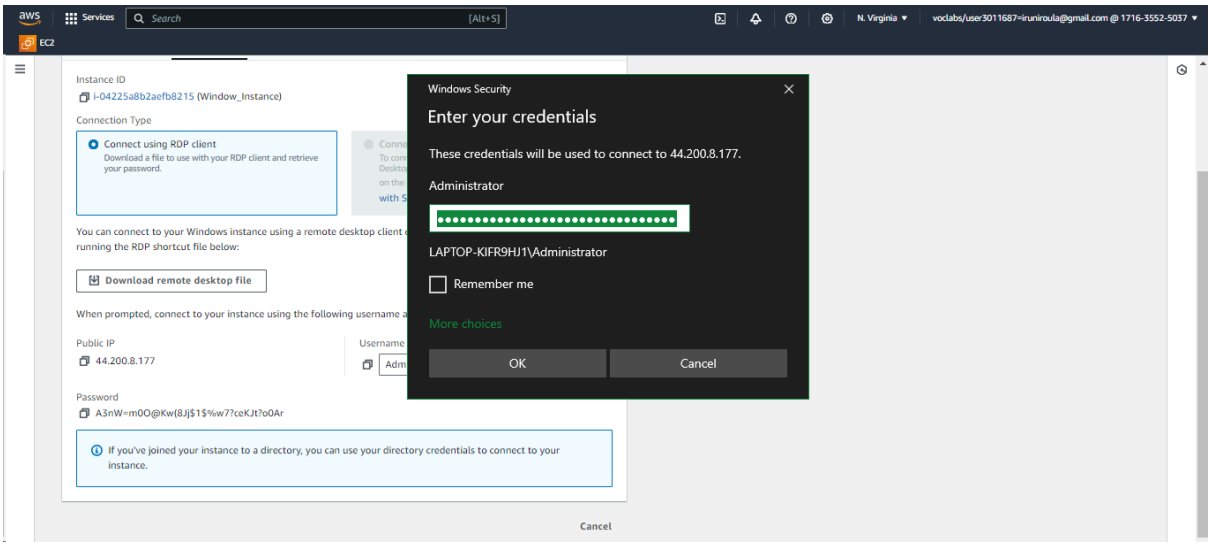
Getting Windows password

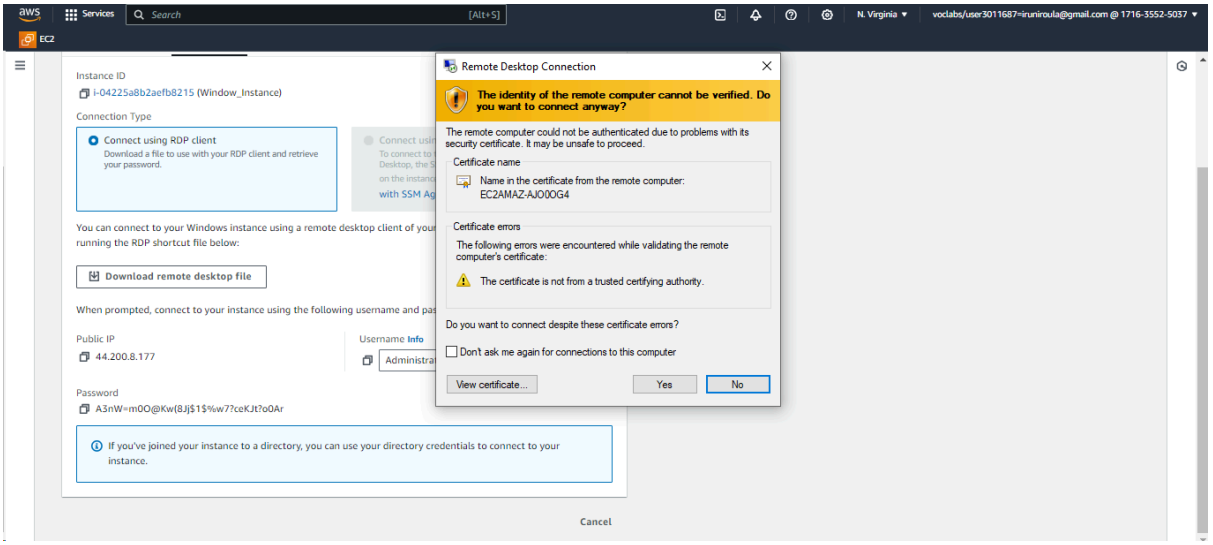


Connecting to local machine



Using the password to connect to local machine





The Apache server was started once XAMPP was installed. Then, a folder was made in the XAMPP directory on the C drive of the local computer. After that, access to the local system was permitted changing the firewall's inbound rule to allow all incoming traffic. The website was accessed via the public IP address.