Lab Assignment 09

Create a VPC with AWS Cloud Formation

Reference article link: https://medium.com/@rahulmuthu80/provision-highly-available-vpc-architecture-using-cloudformation-fit-devops-3cd62ba54a91

Task-1 : Provisioning VPC using CloudFormation template

We are going to implement the following architecture.

We will create the following Resources.

- VPC with CIDR : 10.0.0.0/16
- 2 Public Subnets in Each AZ.

PublicSubnet1 : 10.0.10.0/24

PublicSubnet2 : 10.0.11.0/24

- 2 Private Subnets in Each AZ.

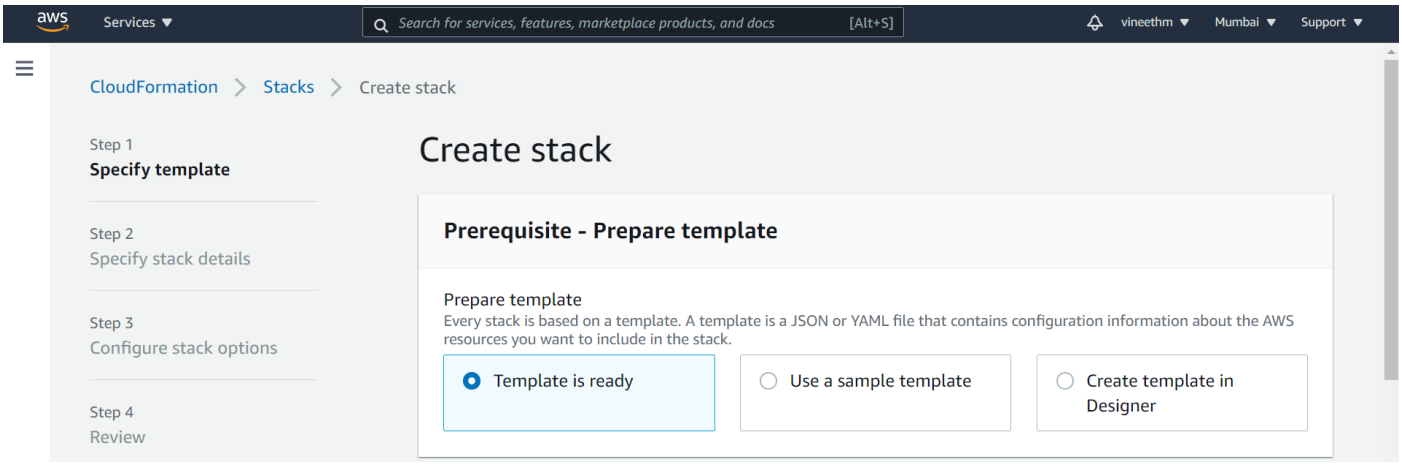
PrivateSubnet1 : 10.0.20.0/24

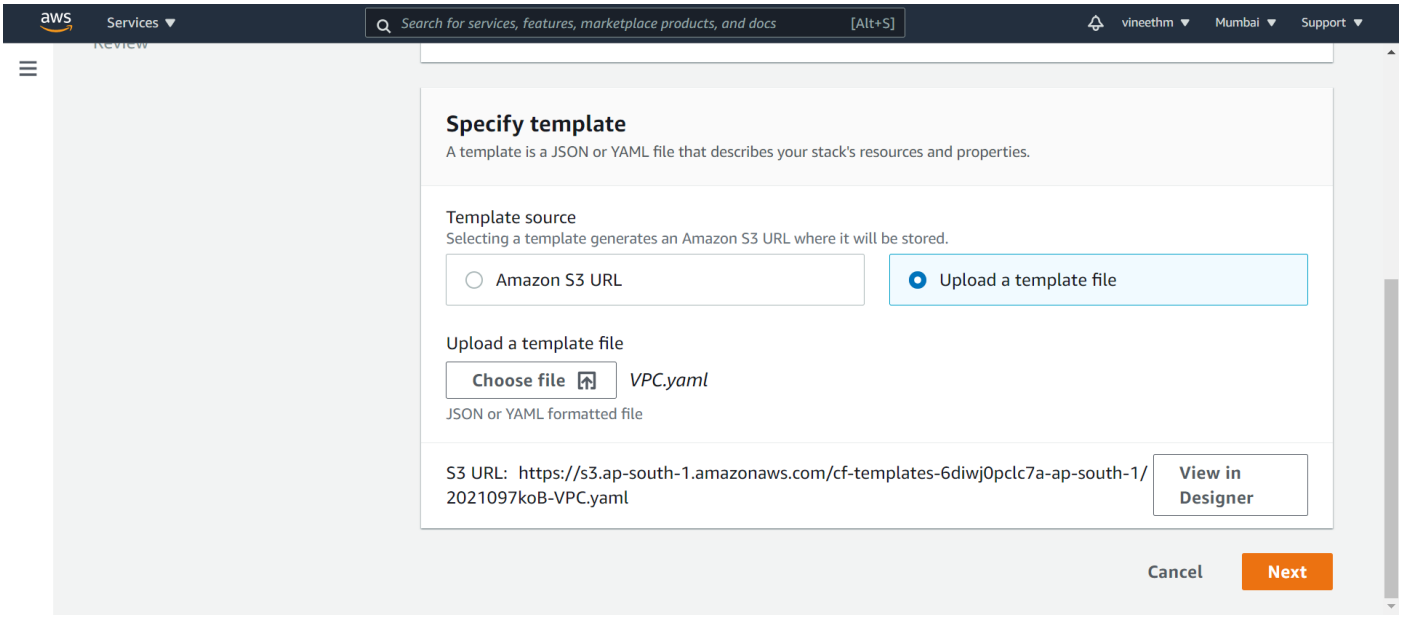
PrivateSubnet2 : 10.0.21.0/24

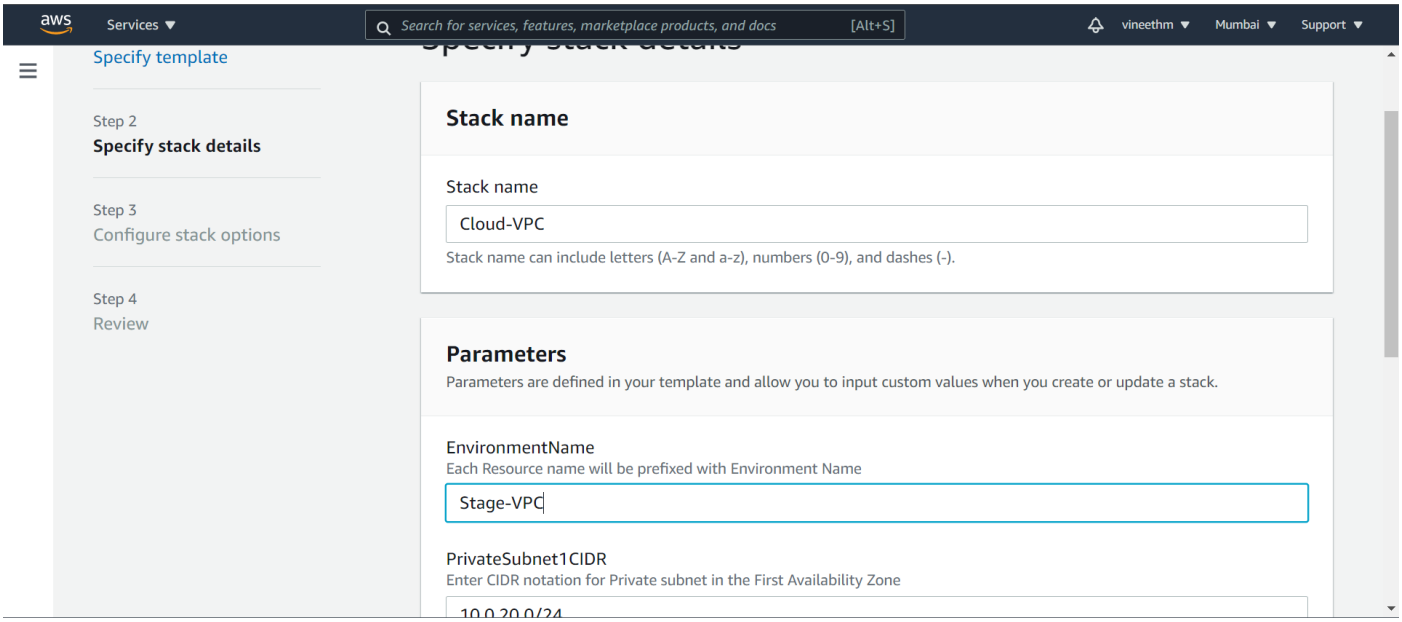
- 1 Route Table for Public Subnets
- 2 Route Tables , One for each Private Subnet
- Internet Gateway — Will be attached with Public Route Table
- 2 NAT Gateway in each AZ and will be attached with each private Route Tables.

Let us create a template file named VPC.yaml

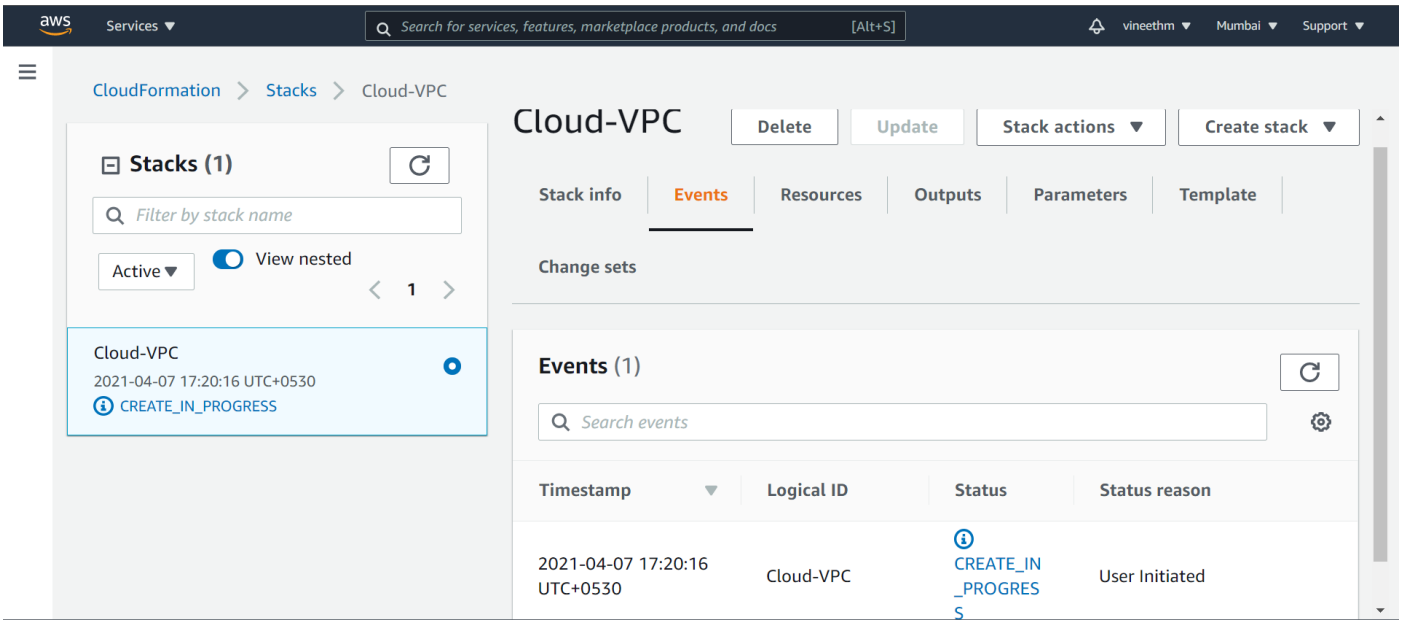
Now let’s provision the VPC using the template we built.



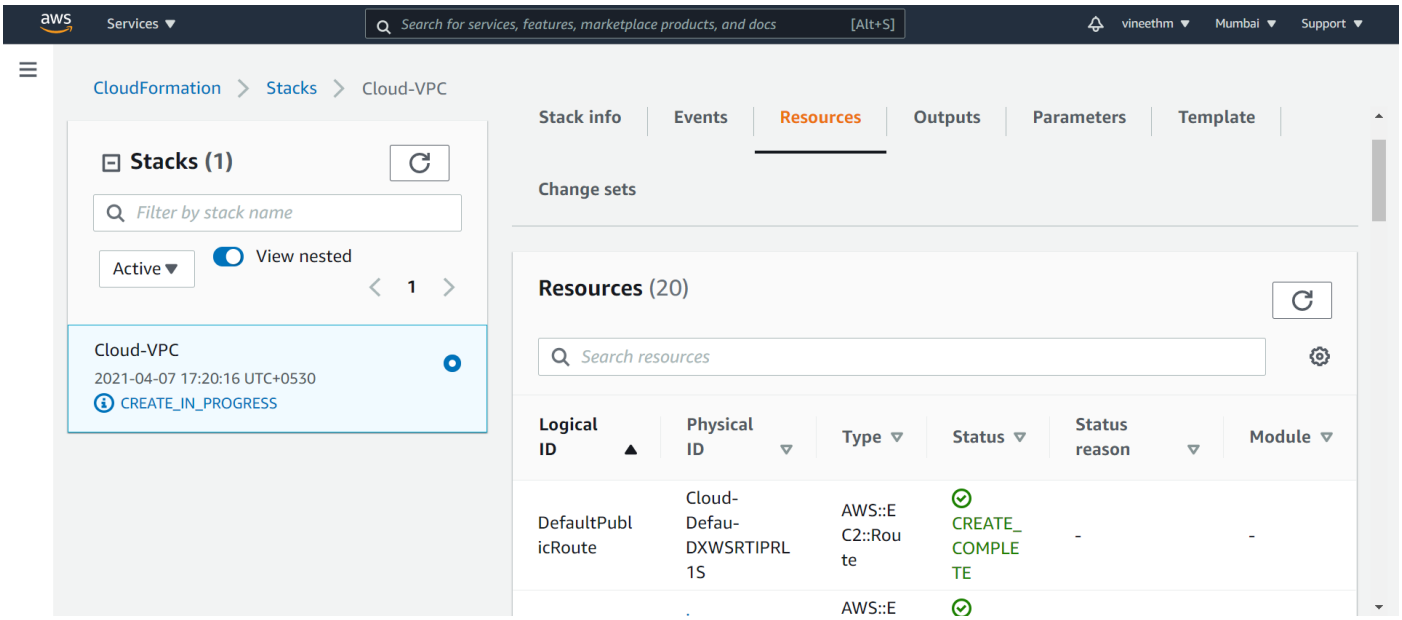




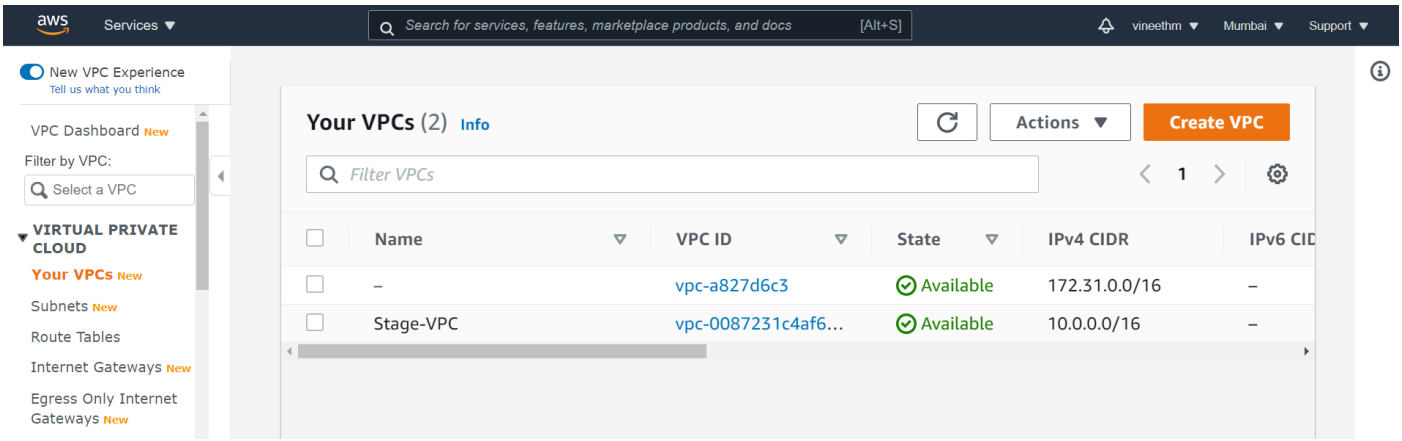
Create the stack



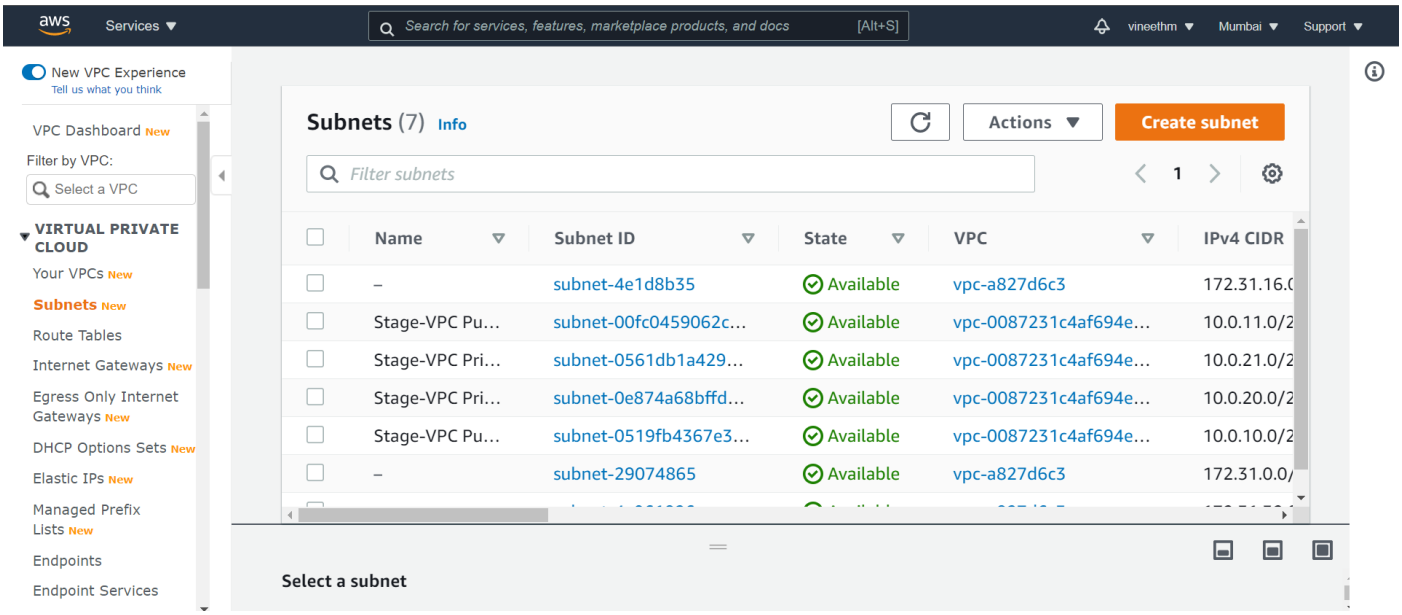
Task-2 : Check the resources created in the Resources Tab.



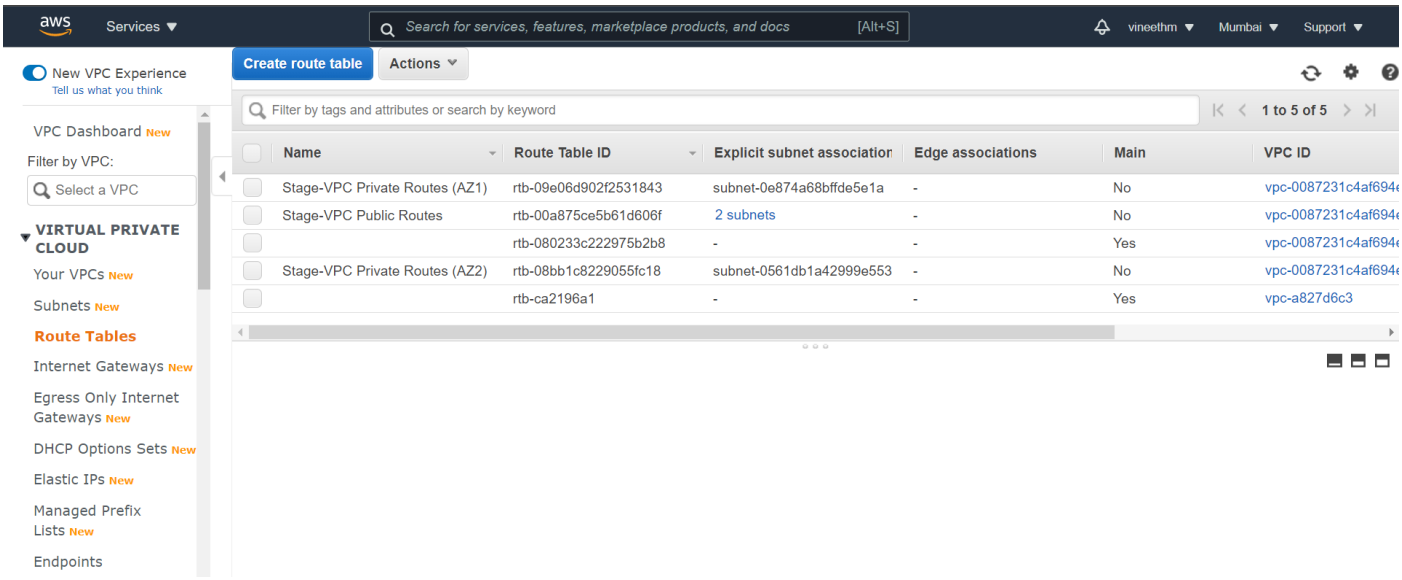
Task-3 : Go to VPC and find the newly created VPC from the template.



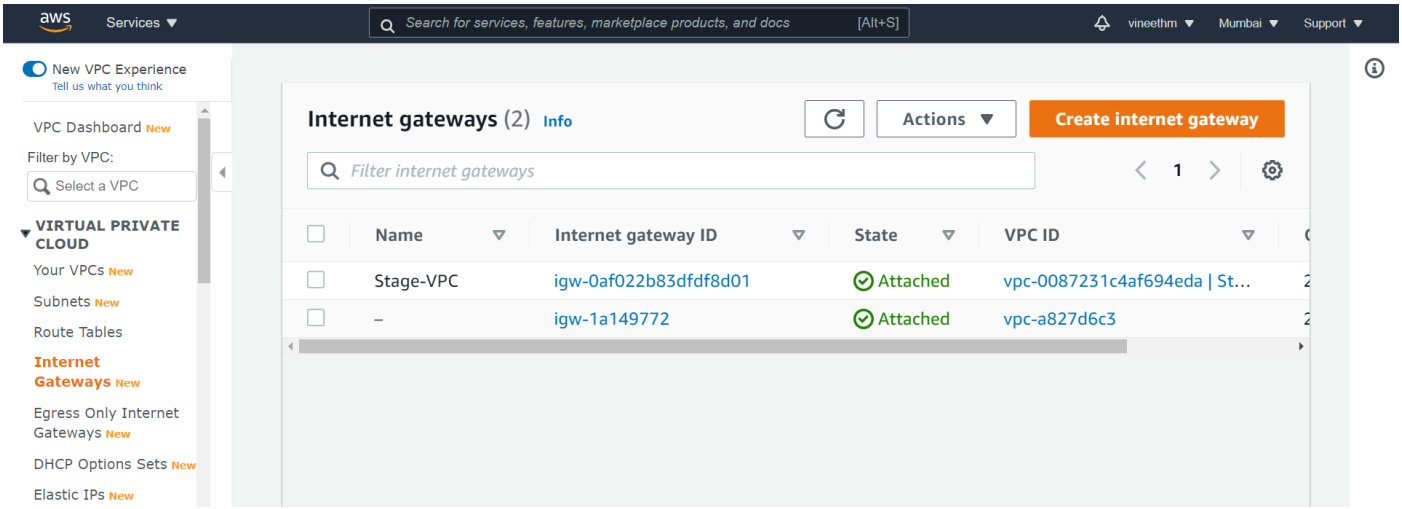
Task-4 : Check the subnets.



Task-5 : Check the route tables.



Task-6 : Check the Internet Gateway.



Task-7 : Check the NAT Gateway.