

**JNTUH – Cloud & DevOps**  
**AWS Assignment-2 - Oct 27<sup>th</sup>, 2022**

**Arul Raj Natraj Rajgopal**  
[\(arulraj.04@gmail.com\)](mailto:arulraj.04@gmail.com)

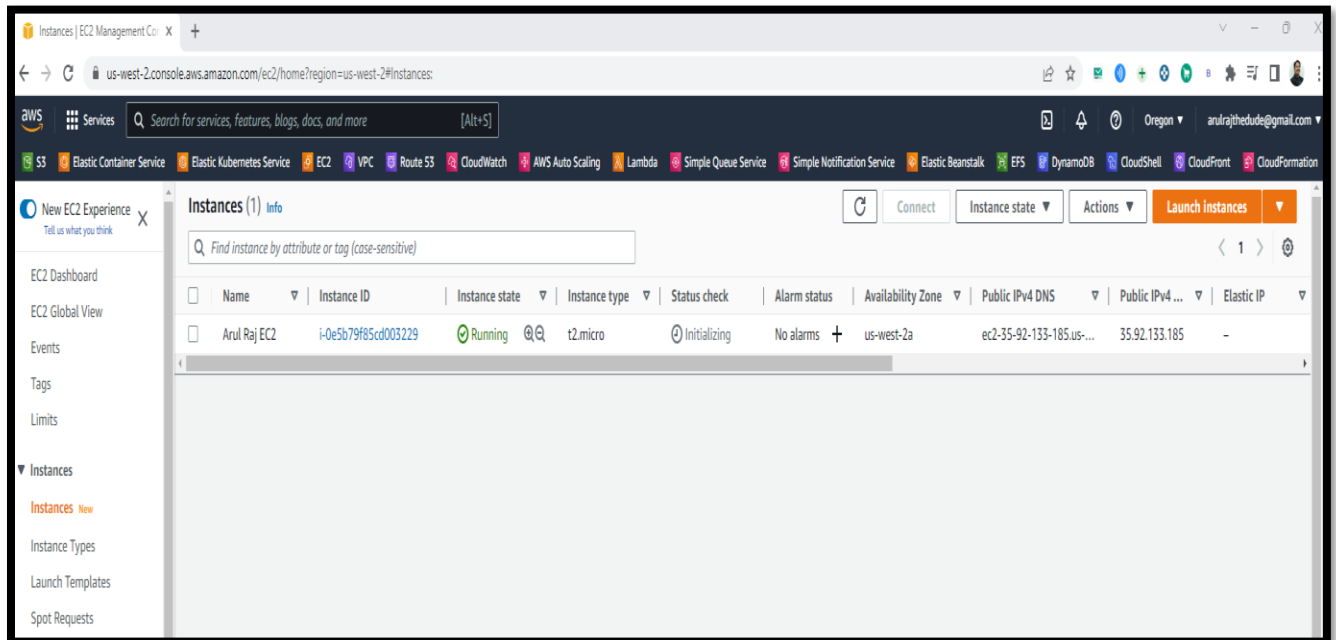
### Assignment

1. EC2 instances (2 machines - 1st machine - name, 2nd machine - sur name)
2. EBS volume
3. Snapshot
4. AMI
5. Load Balancer
6. VPC with 2 public subnets & 2 private subnet having Internet gateway and NAT gateway
7. VPC Peering

Note: Follow the powerpoint for VPC & VPC peering architecture and reiterate.

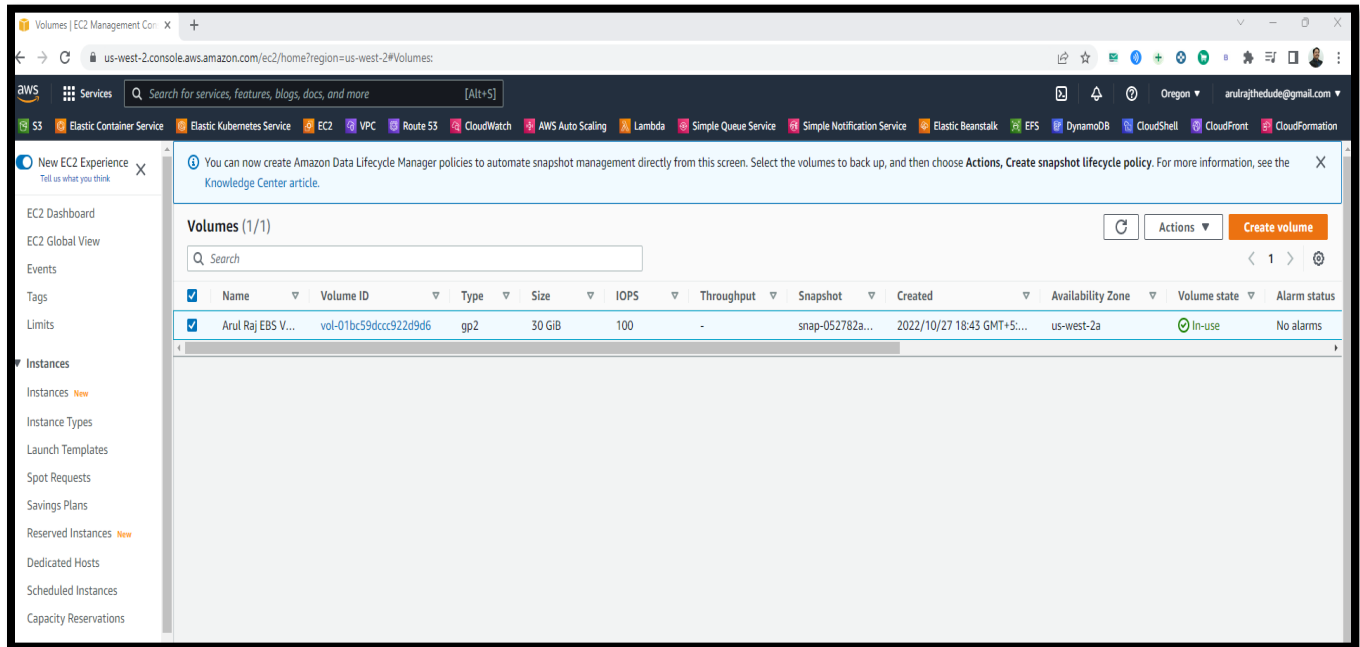
1. User your names & Sur names with all the practical topics and share the screen shots and step wise information.

1. Create an **EC2 Instance**:  
Created EC2 Instance as **'Arul Raj EC2'**



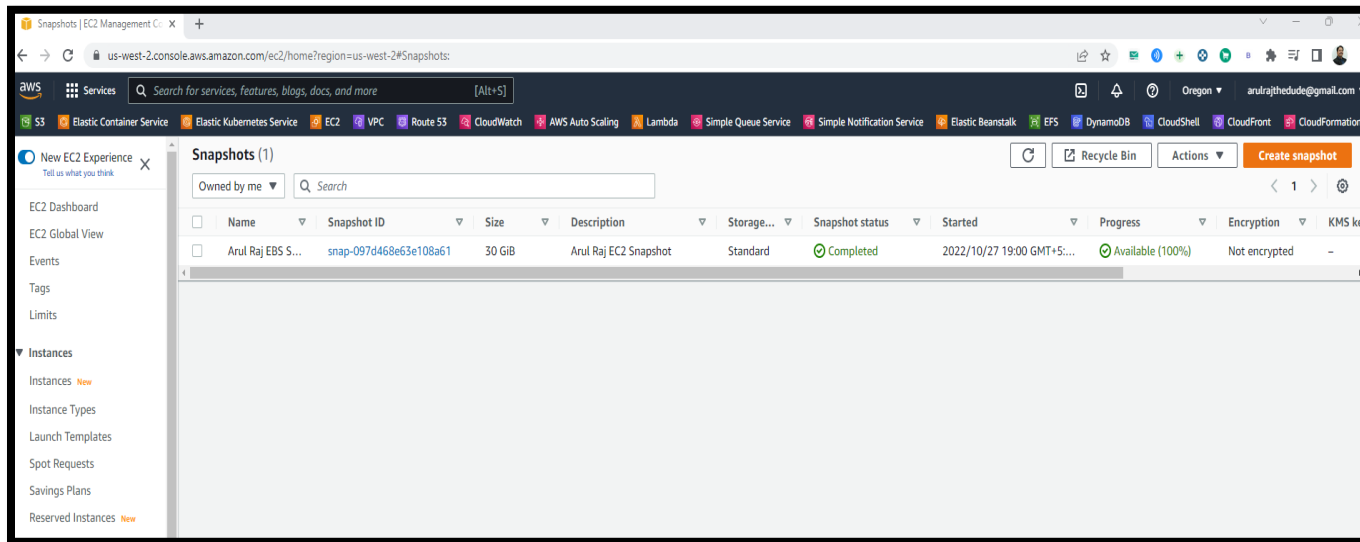
2. Create an **Elastic Block Store**:

### Created EBS Volume along with the EC2 Instance as **'Arul Raj EBS Volume'**



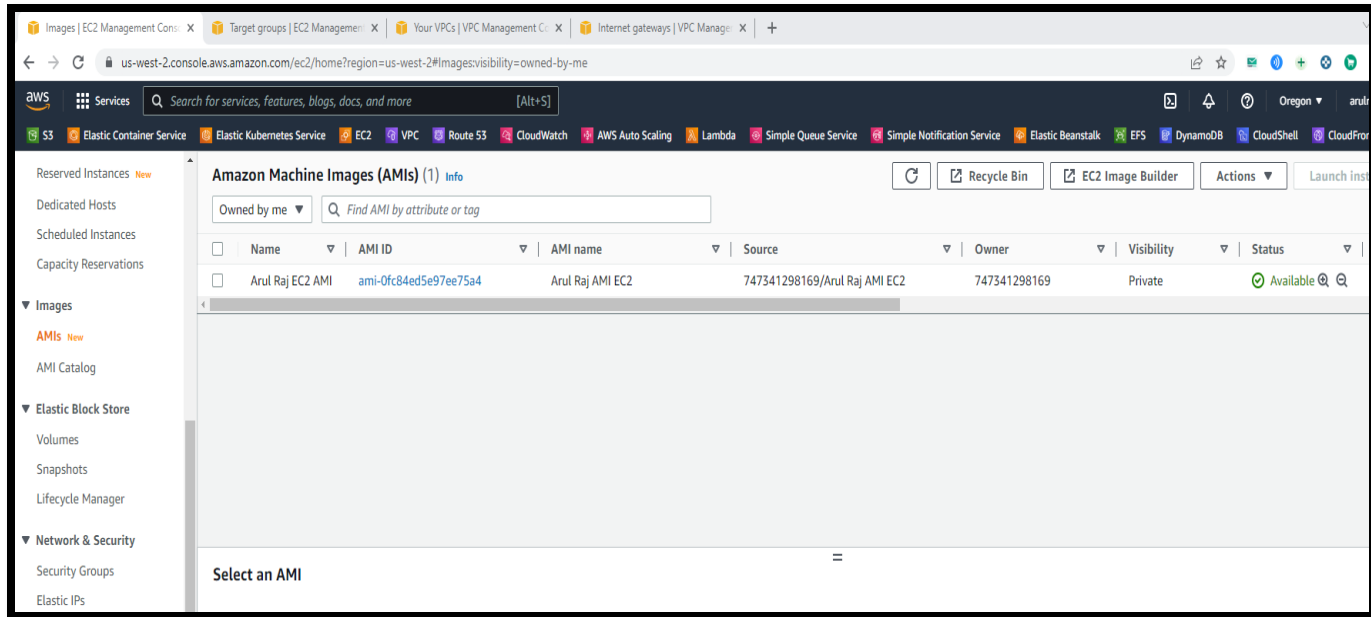
### 3. Create a Snapshot Screenshot creation:

#### Created EBS Snapshot with **'Arul Raj EBS Snapshot'**

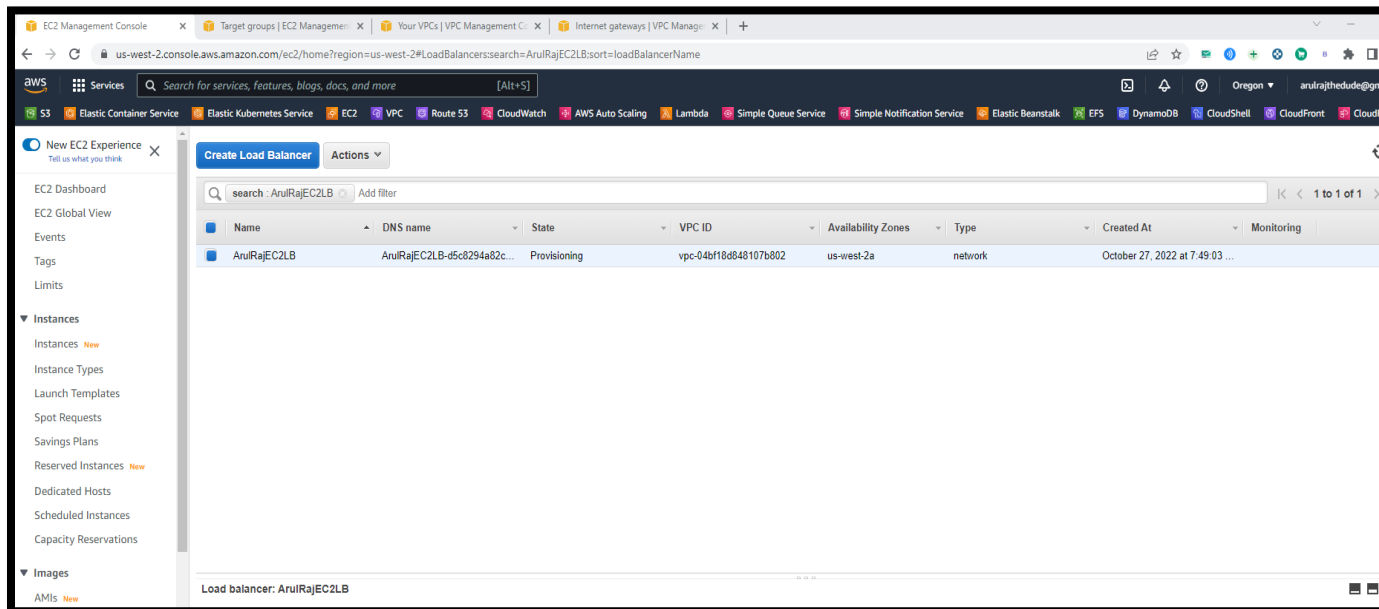


### 4. Create AMI Creation:

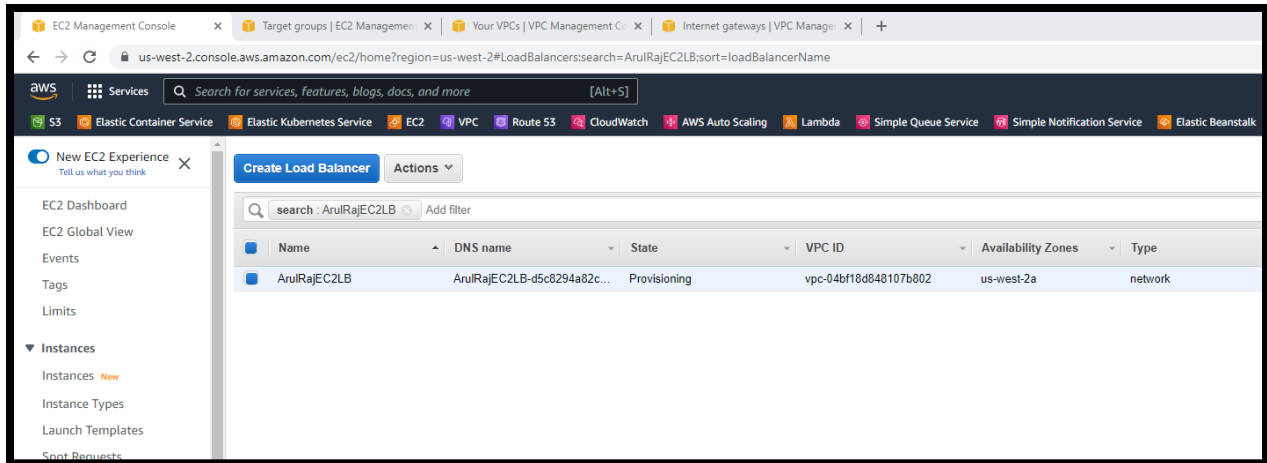
#### Created the AMI of my EC2 Instance as **'Arul Raj EC2 AMI'**



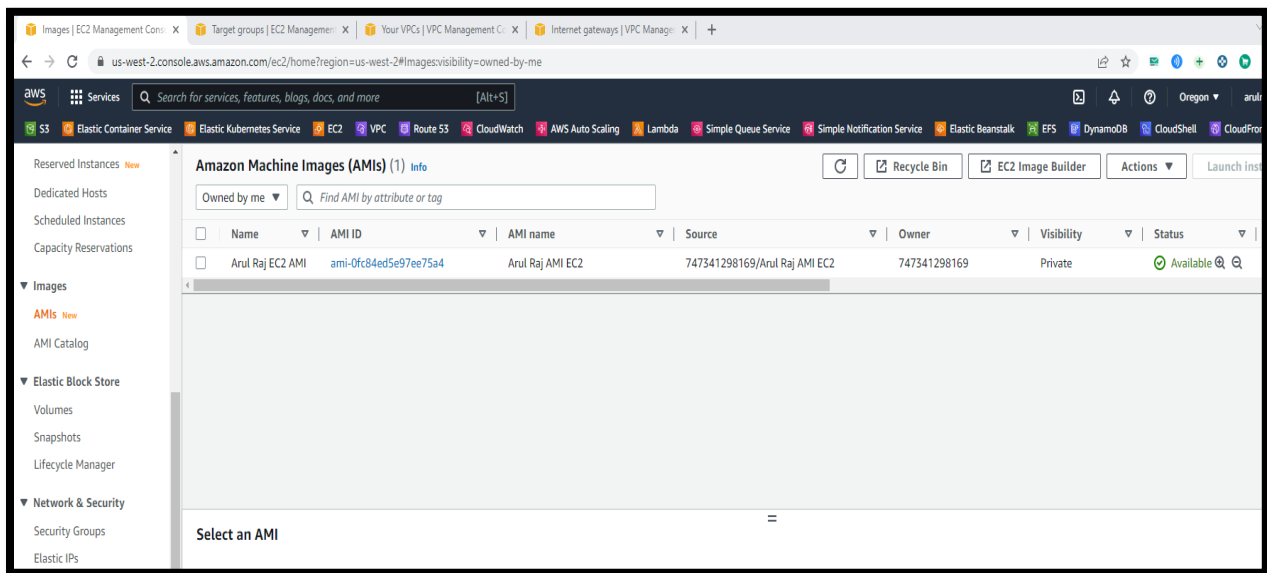
5. Create Load Balancer:  
Created Load Balancer as 'ArulRajEC2LB'



Load Balancer:



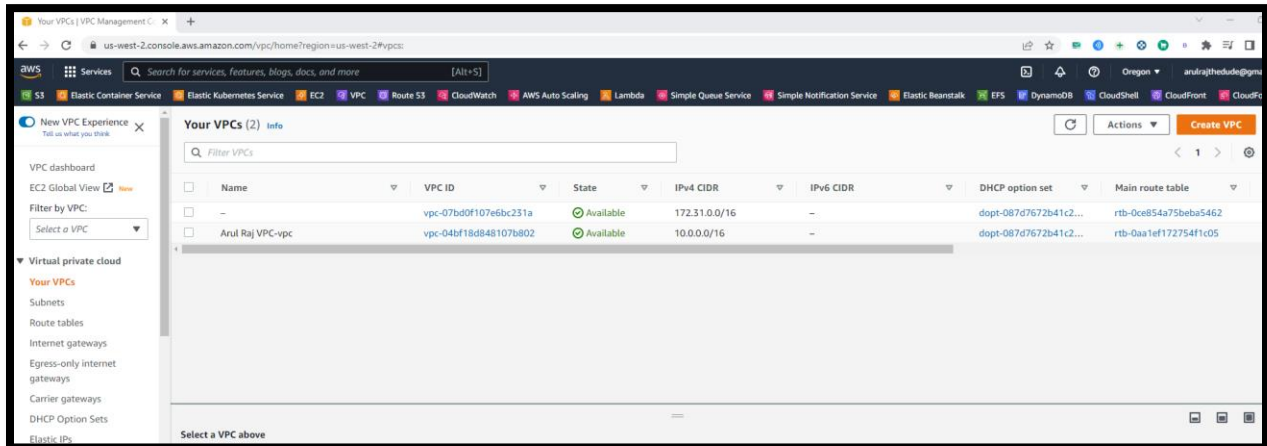
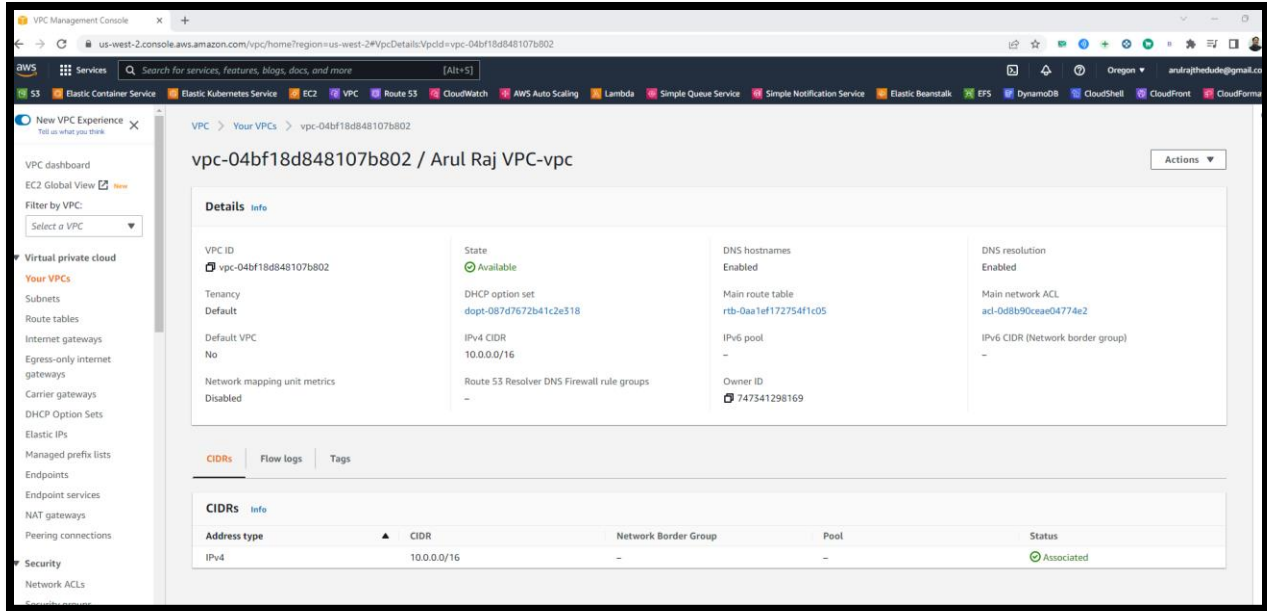
AMI:



These are remaining from Assignment – 2.

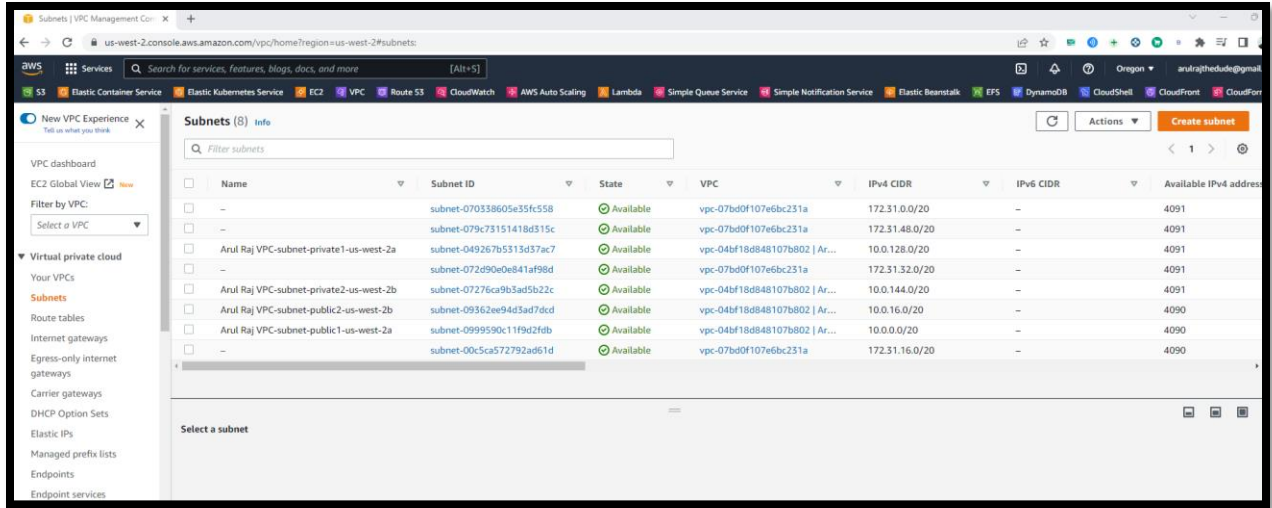
### **Create VPC :**

I have Created VPC and name with my name – **“Arul Raj-vpc”**



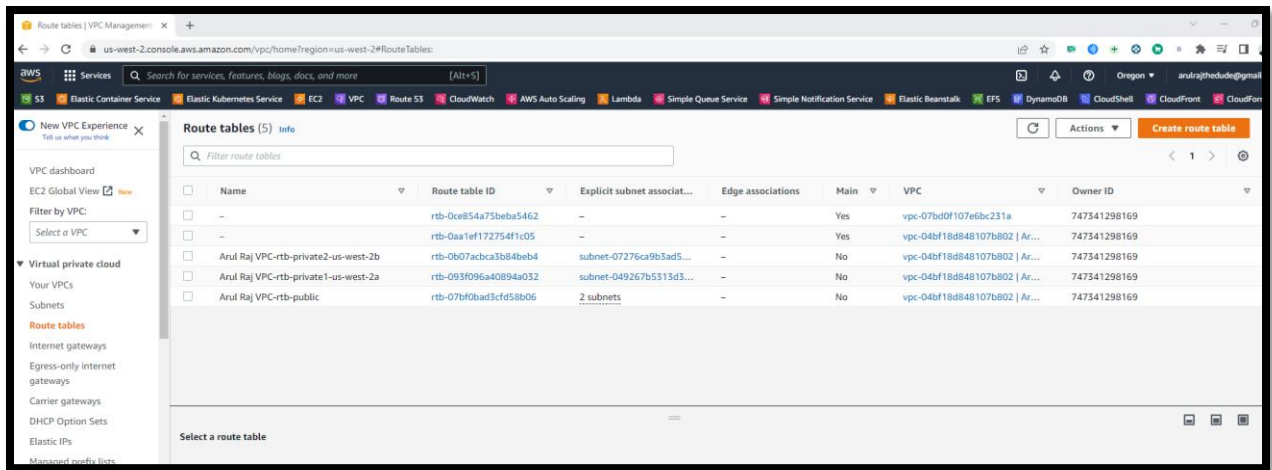
### Create 2 Public Subnets & 2 Pvt Subnets:

I have created 2 Public Subnets and named as **“Arul Raj VPC Subnet Public 1 & Arul Raj VPC Subnet Public 2”** Also created 2 Private Subnets and named as **“Arul Raj VPC Subnet private1 & Arul Raj VPC Subnet Private2”**



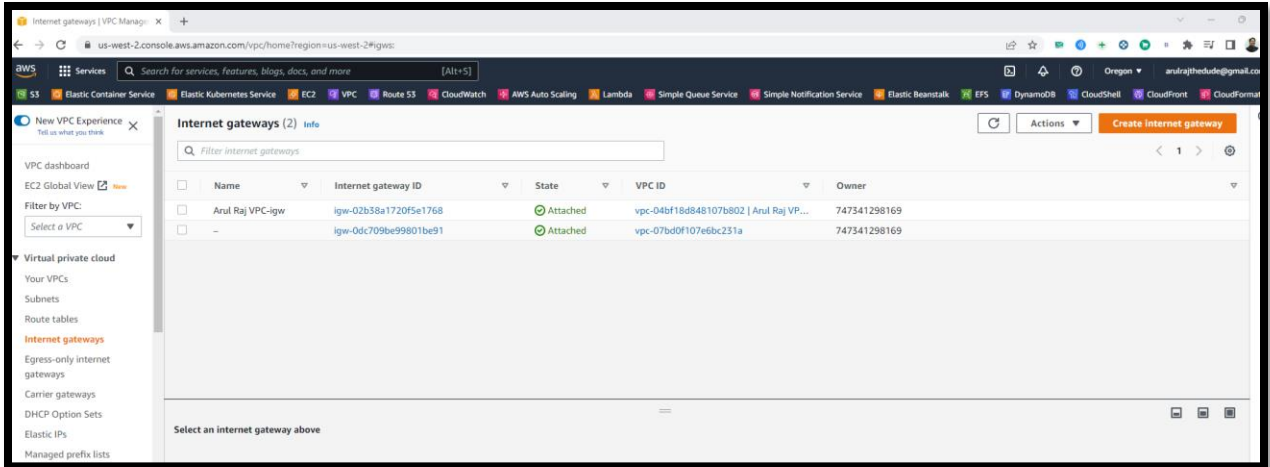
**Create Route Table - RT:**

I have created the RT and named as **“Arul Raj rtb”**

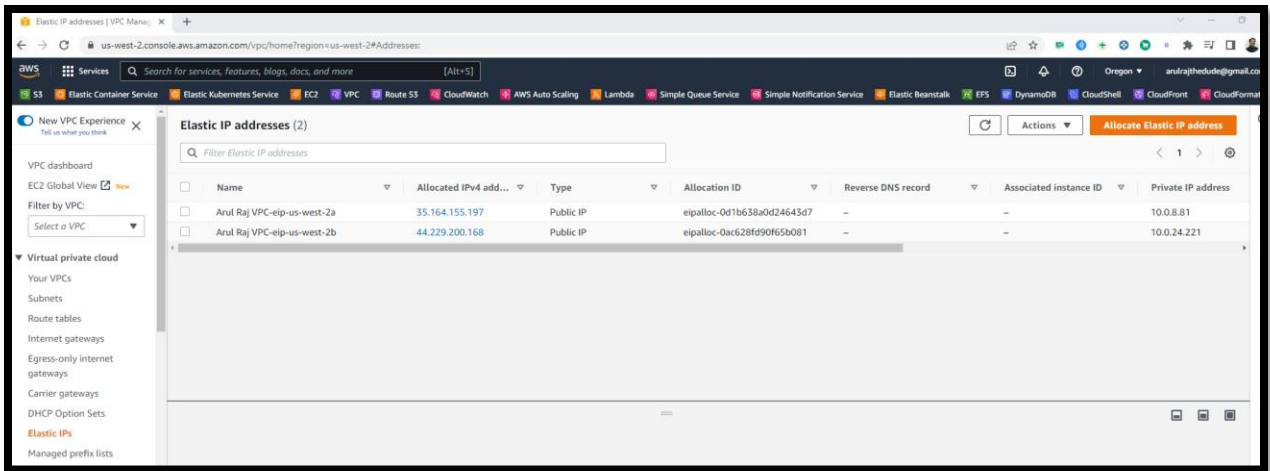


**Create Internet Gateway – IGW:**

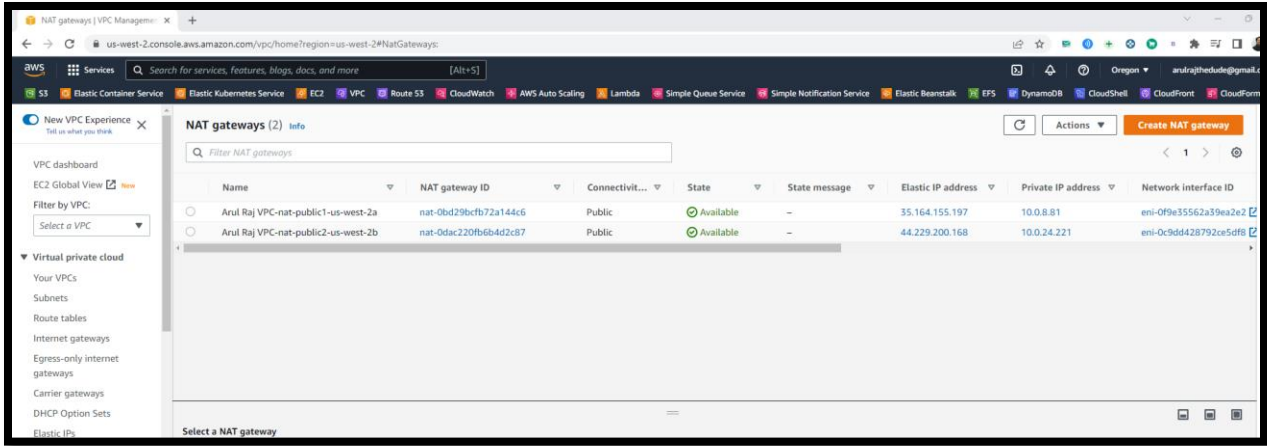
I have created IGW and named as **“Arul Raj igw”**



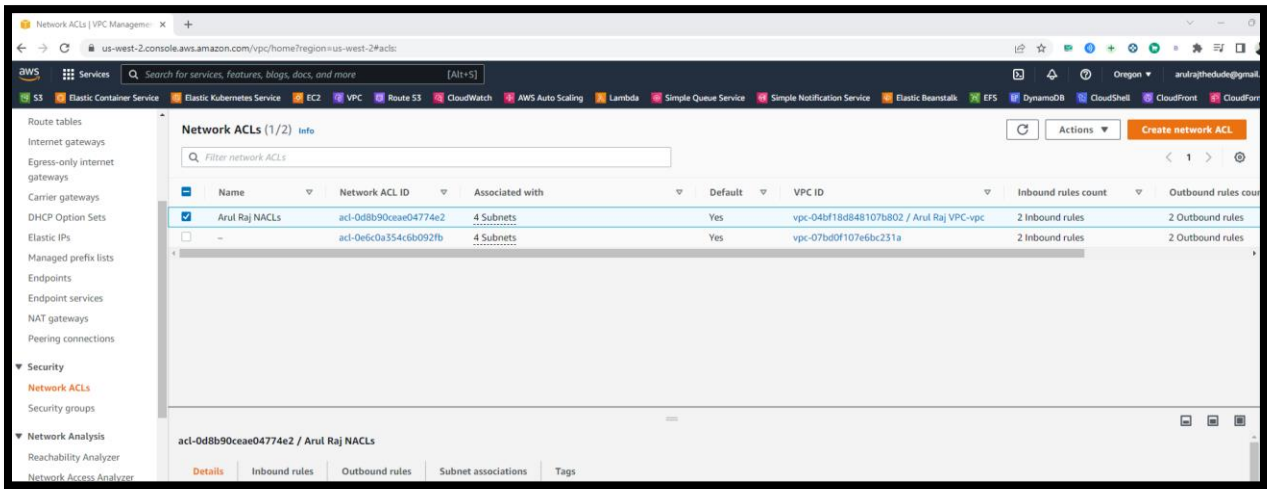
Create Elastic IPs:



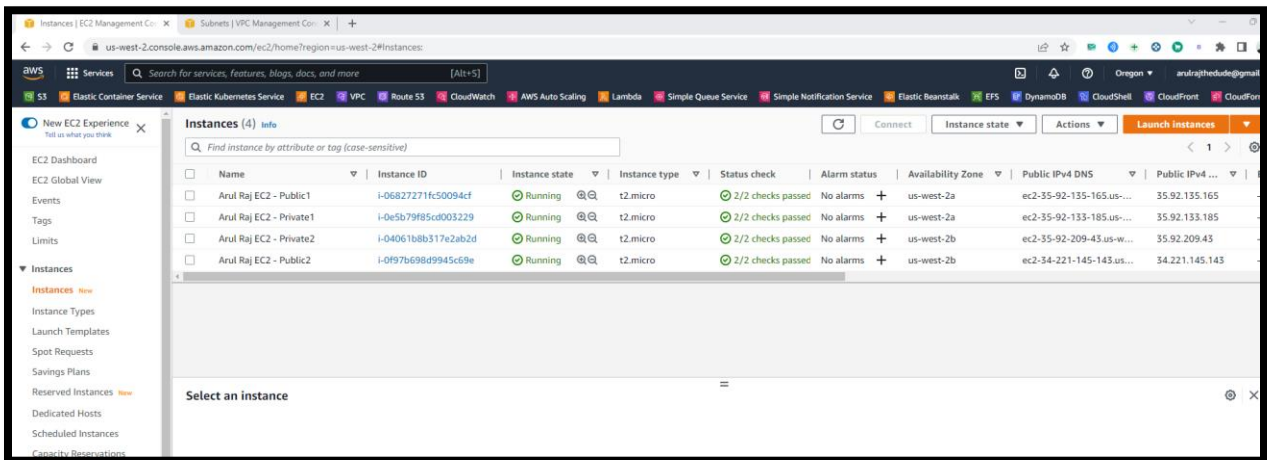
NAT Gateway:



## Network ACLs



## VPC Instances:





## Target Groups:

The screenshot displays the AWS Management Console interface for EC2 Target Groups. A notification banner at the top indicates that a target group named 'ArulRajPort' has been successfully created. The main content area shows a table with one entry for the target group 'ArulRajPort'. The table columns include Name, ARN, Port, Protocol, Target type, Load balancer, and VPC ID. Below the table, a message states '0 target groups selected' and prompts the user to 'Select a target group above.'

Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
ArulRajPort	arn:aws:elasticloadbalancing...	80	TCP	Instance	ArulRajEC2LB	vpc-04bf18d848107b802