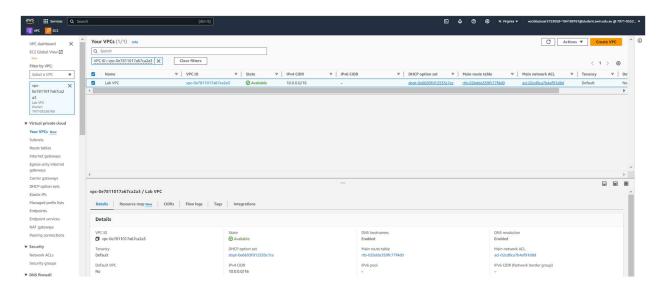
Module 9 Guided Lab - Creating a Highly Available Environment

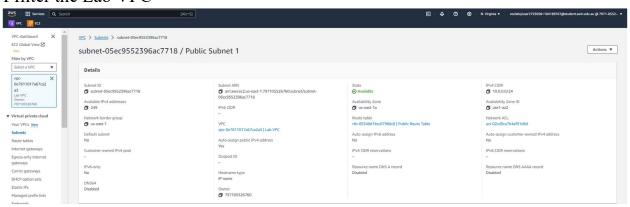
Name: Pham Do Tien Phong

Student Id: 104189767

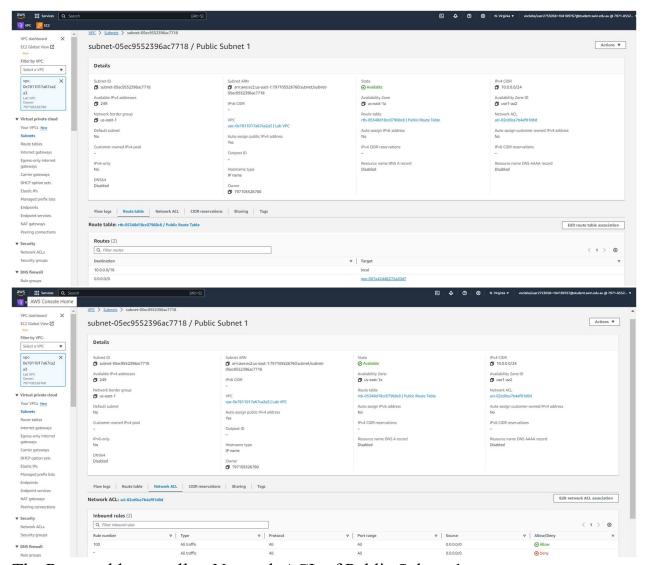
Task 1: Inspecting your VPC



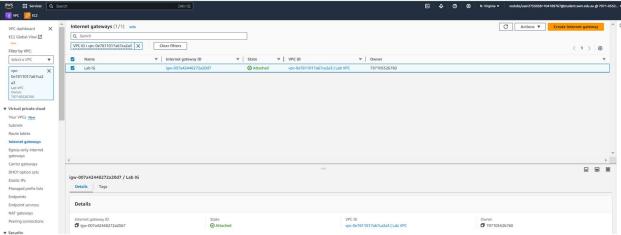
I filter the Lab VPC



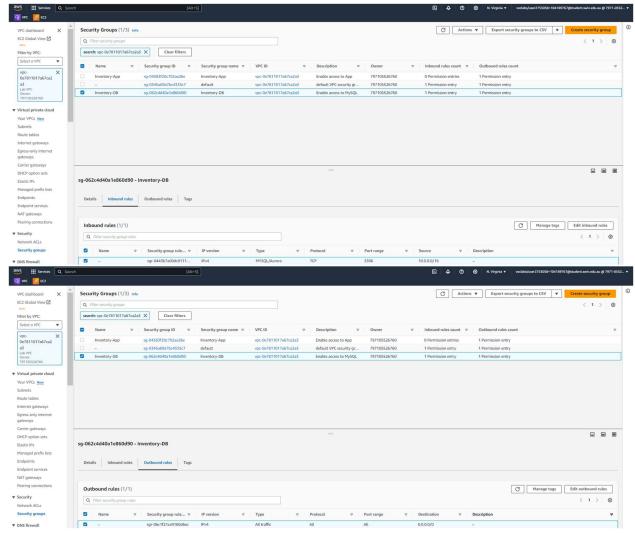
The details of Public Subnet 1



The Route table as well as Network ACL of Public Subnet 1

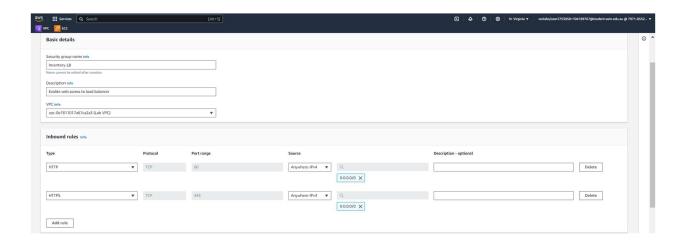


The Internet gateway(Lab IG) is in Lab VPC

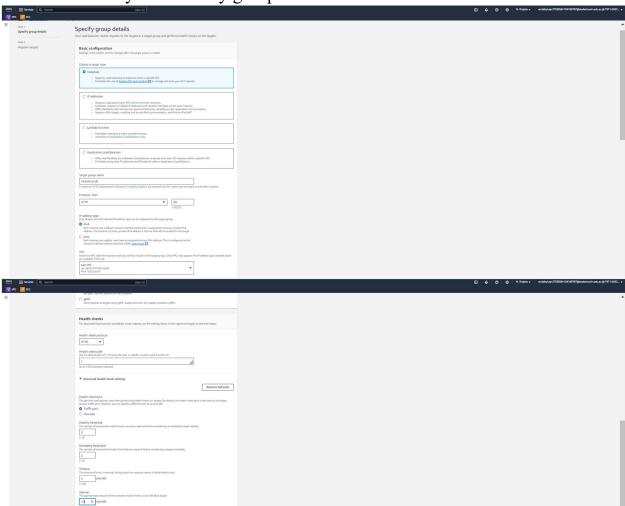


Inbound rules and Outbound rules of Inventory-DB security group.

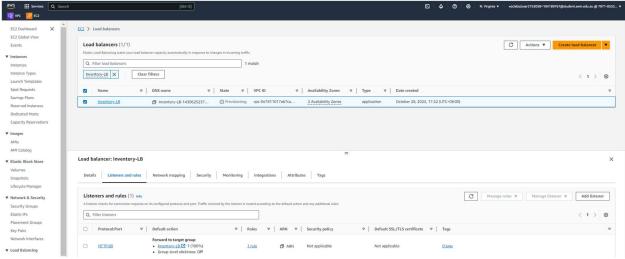
Task 2: Creating an Application Load Balancer

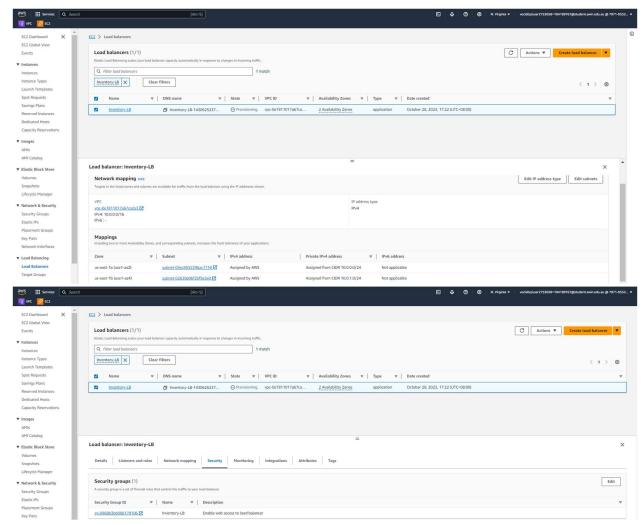


I create Inventory-LB security group for Load Balancer.



2 photos above is the step I create target group for Load Balancer.





The review of load balancer

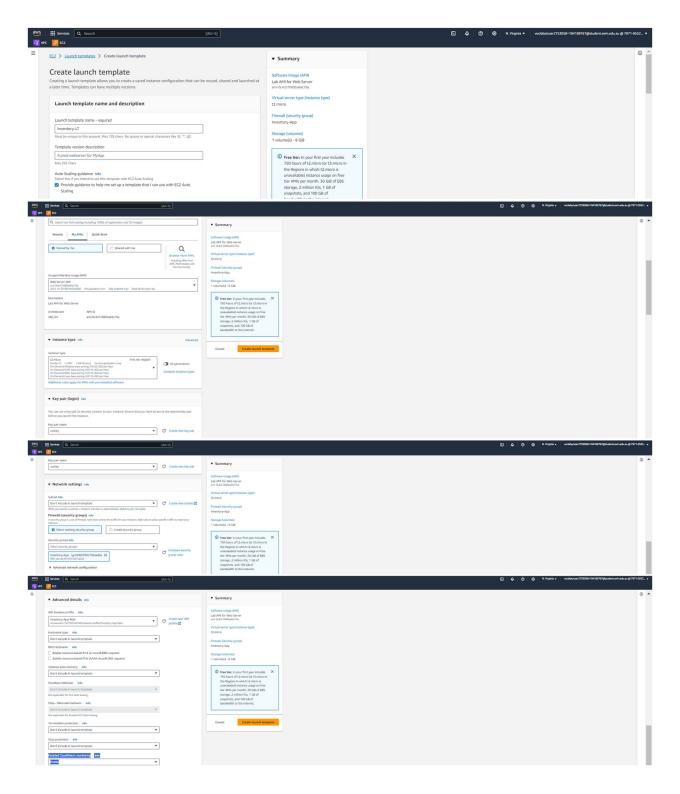
Task 3: Creating an Auto Scaling group

Create an AMI for Auto Scaling



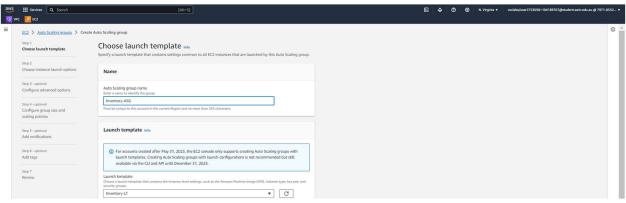
I create image for Auto Scaling

Create a Launch Template and an Auto Scaling Group

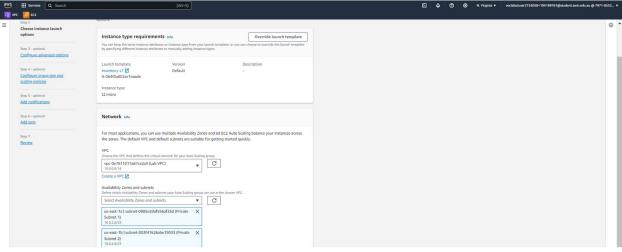




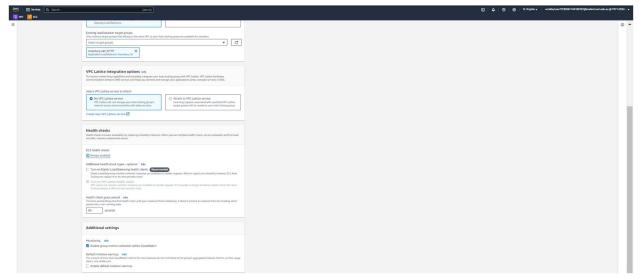
These images below are the steps to create launch template.



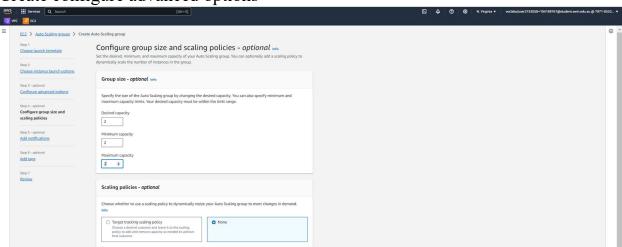
I choose launch template in step 1



I choose instance launch options in step 2



Create configure advanced options



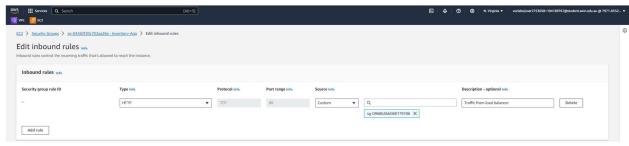
Configure group size and scaling policies.



There are 2 instances created.

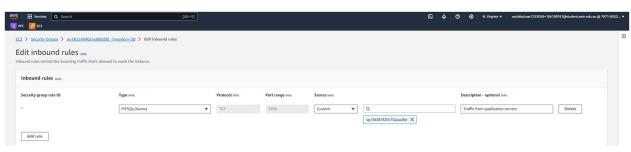
Task 4: Updating security groups

Application security group



Edit inbound rules for application security group.

Database security group



Edit inbound rules for database security group

Task 5: Testing the application



I test the application

Task 6: Testing high availability





This page was generated by instance i-0fc6a62f1f494ea14 in Availability Zone us-east-1b.

I test high availability