Module 9
Creating a Highly Available Environment

COS20019 – CLOUD ARCHITECTURE COMPUTING

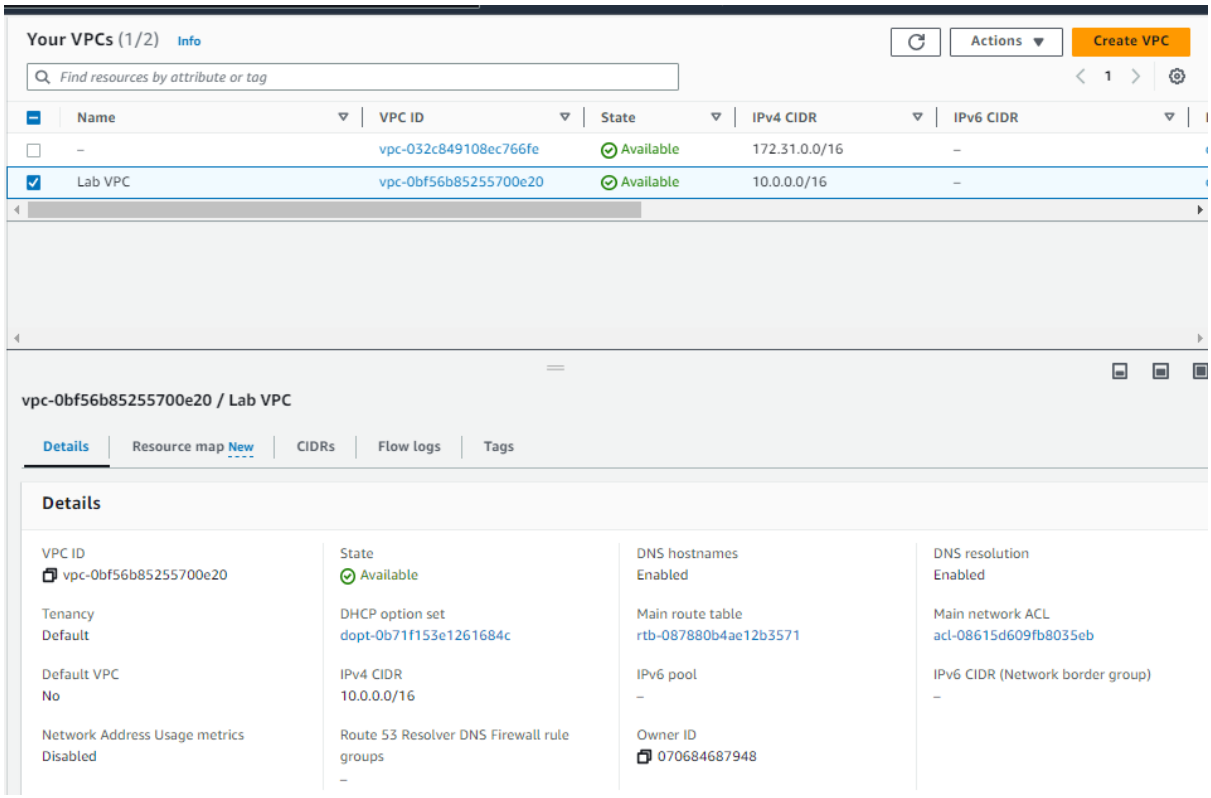
Lab 08

Tran Thanh Minh

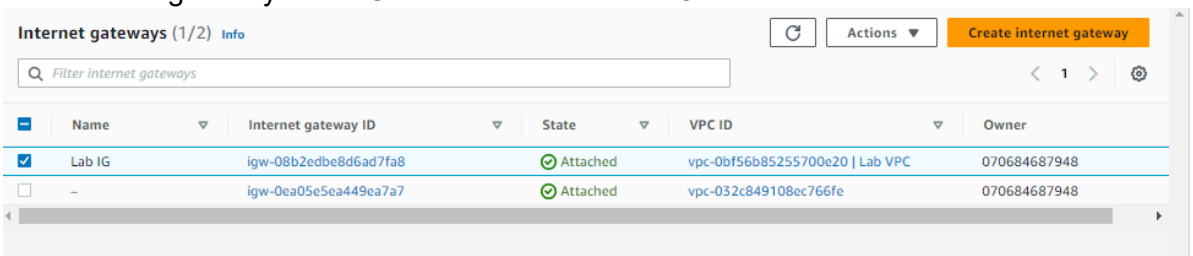
103809048

Task 1: Inspecting your VPC

1. IPv4 CIDR for this lab

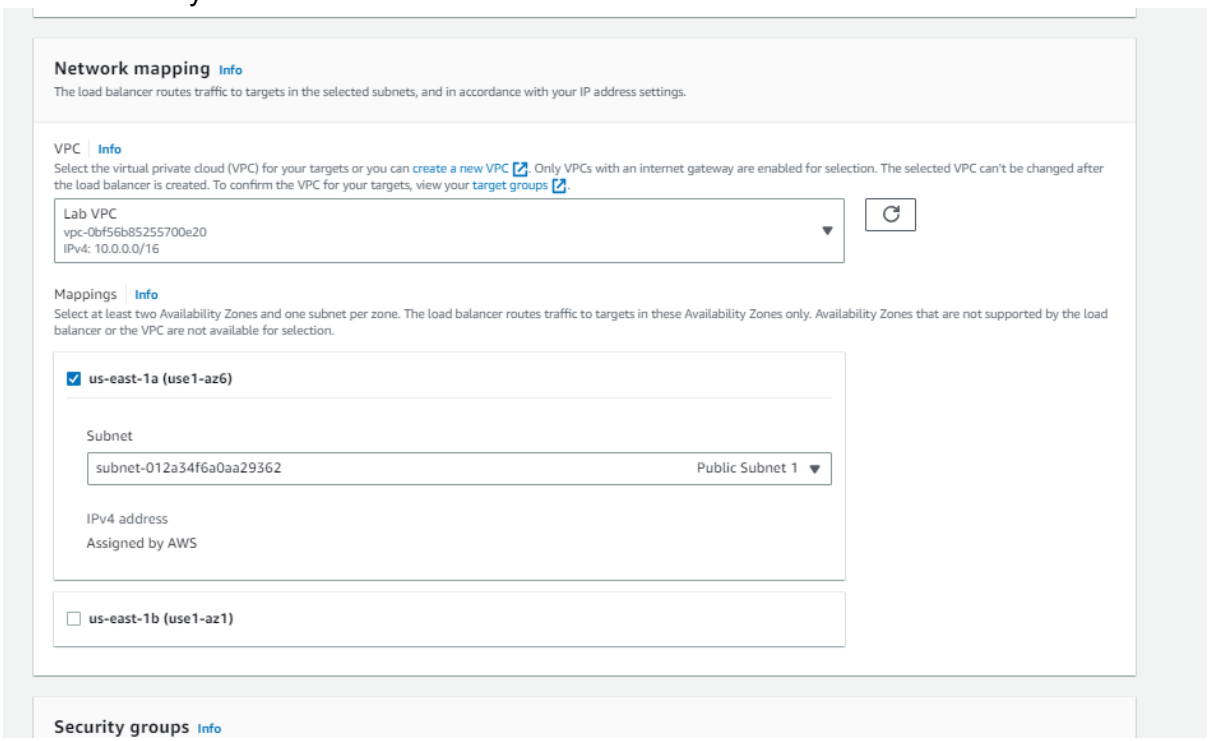


2. The internet gateways Lab IG is attached to Lab VPC

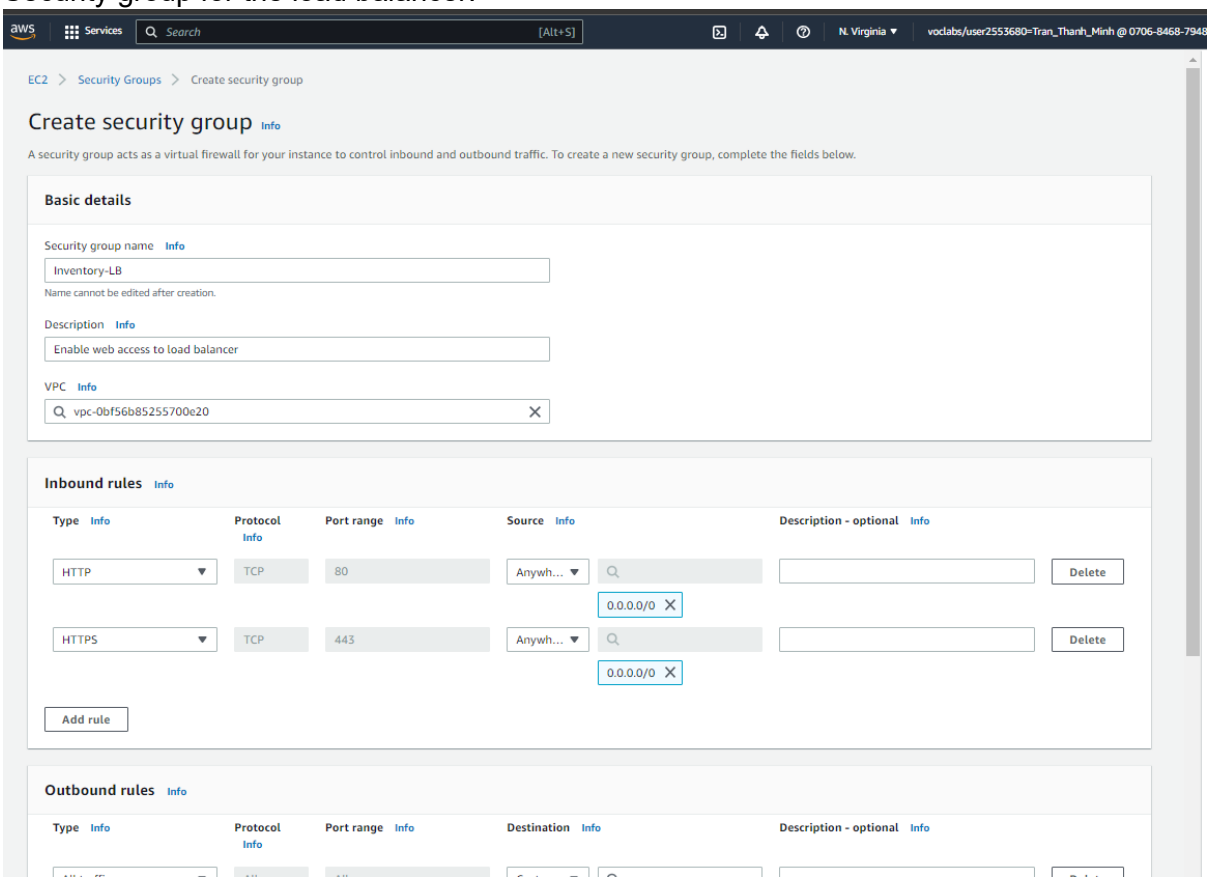


Task 2: Creating an application load Balancer

1. First availability Zone for the load balancer :

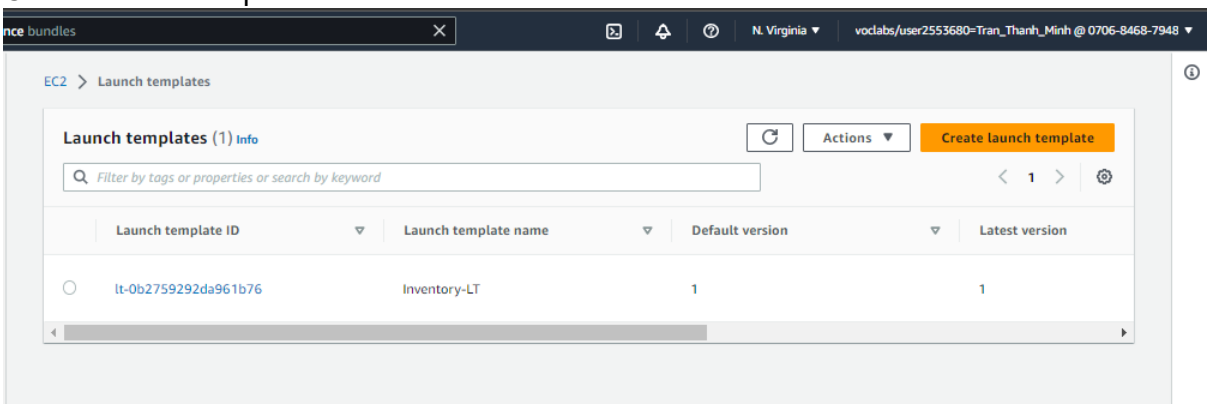


2. Security group for the load balancer:

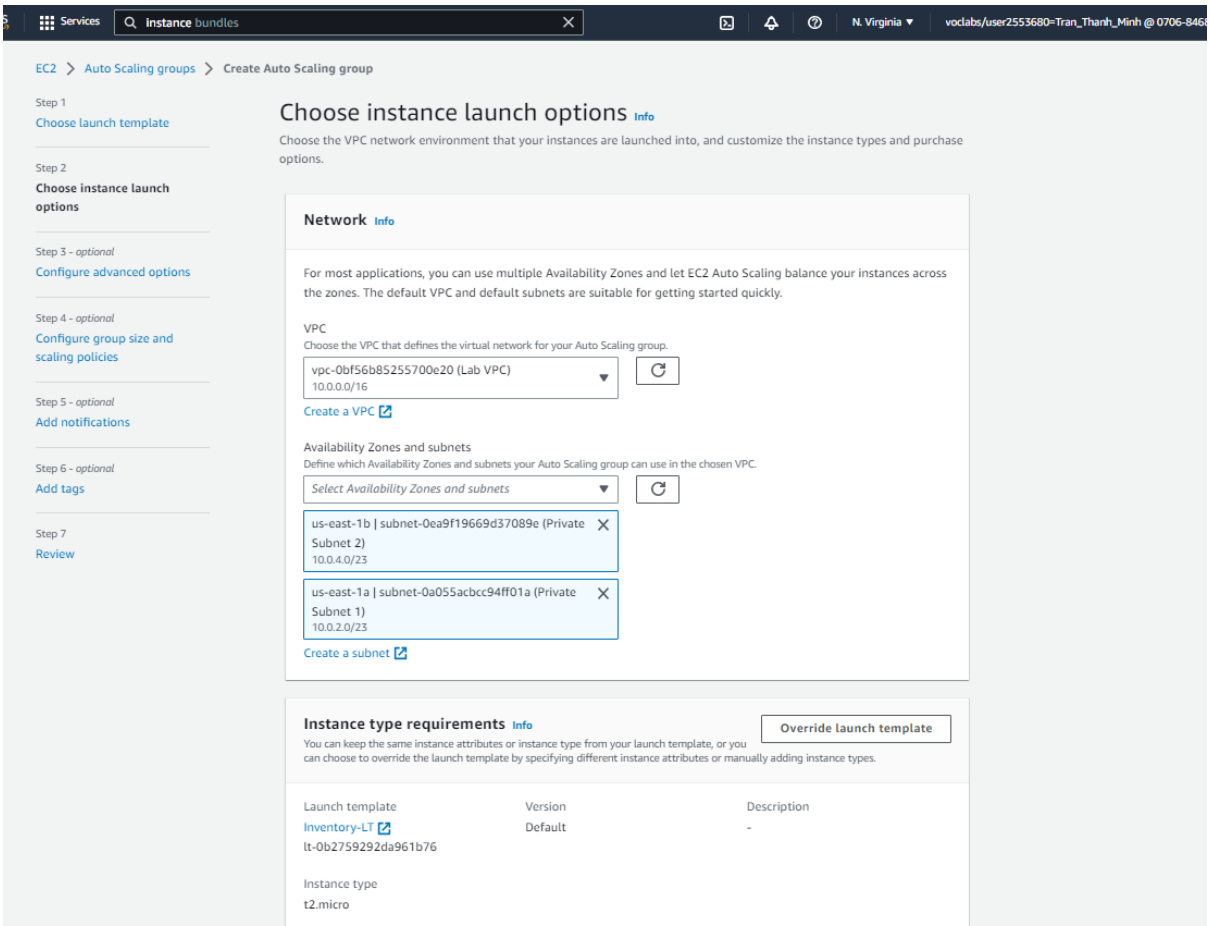


Task 3: Creating an Auto Scaling group

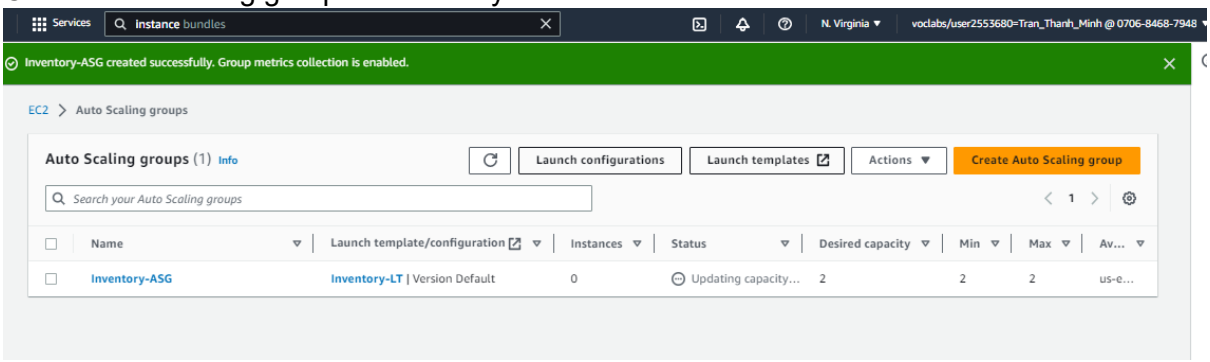
1. Create launch templates



2. Create auto scaling group for both private subnet to make EC2 instances accress both AZ

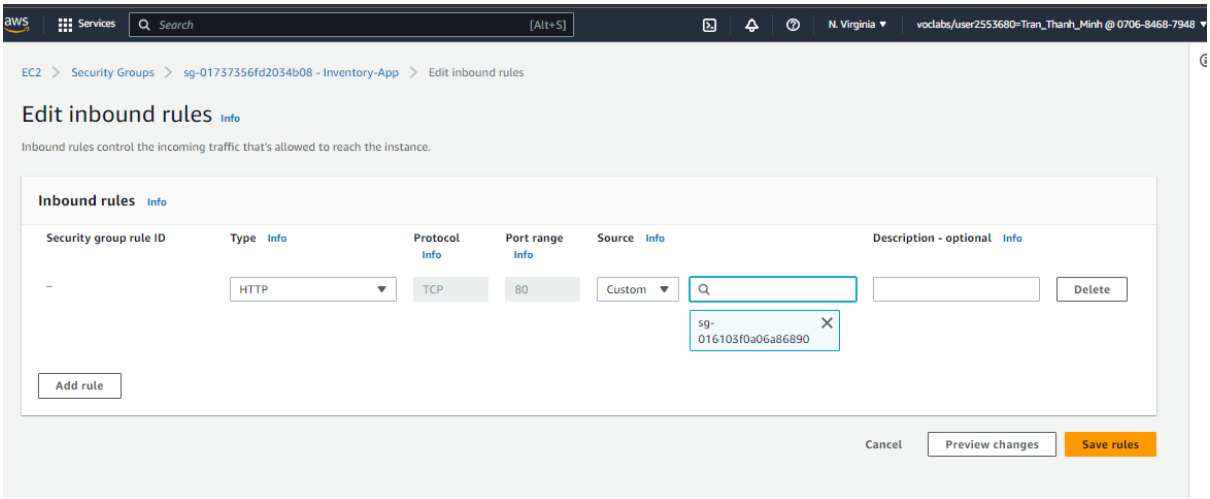


3. Create auto scaling group successfully

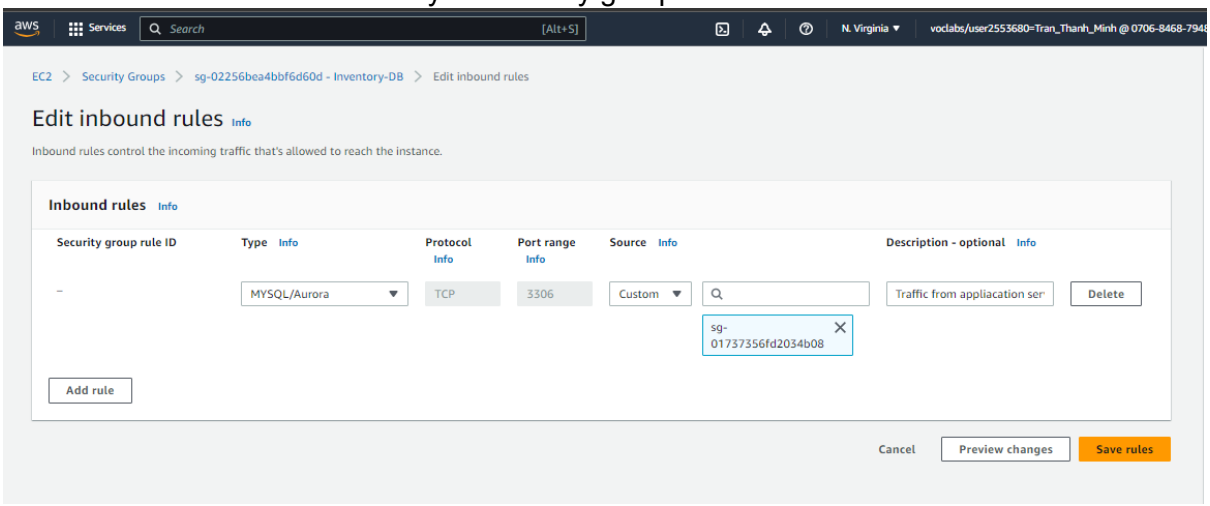


Task 4: Updating security groups

1. Edit the inbound rule

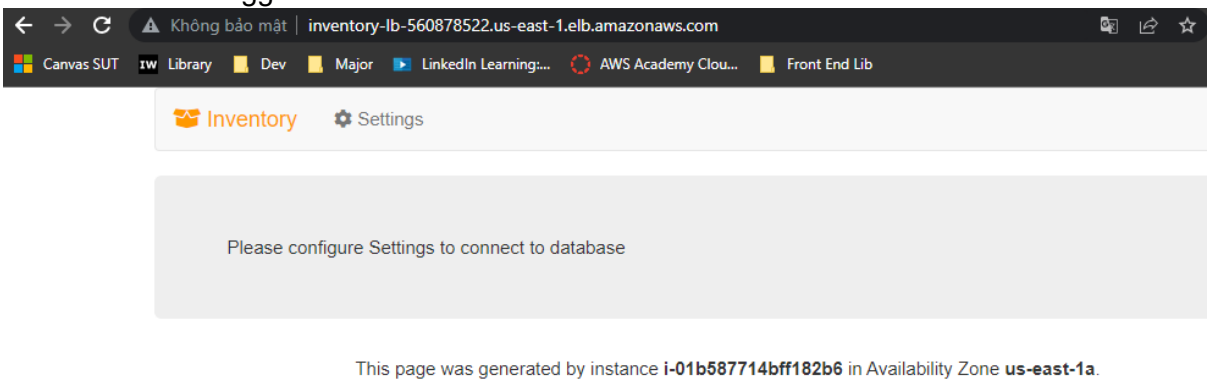


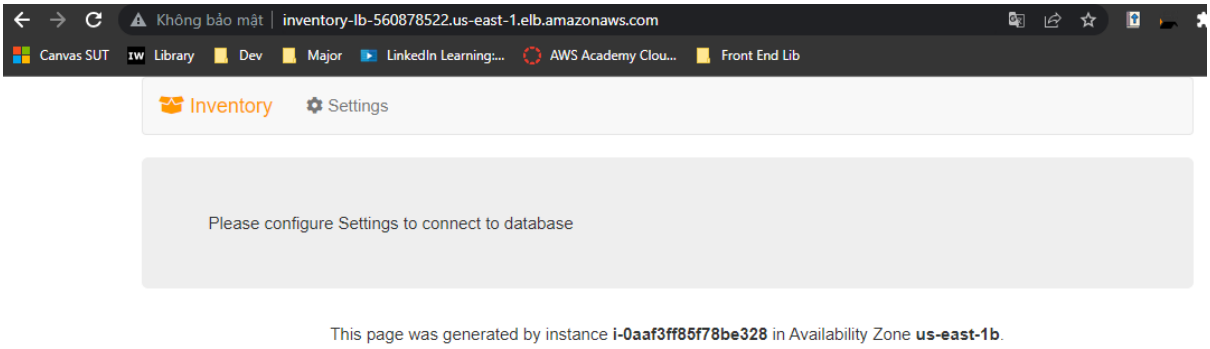
2. Edit inbound rule for the inventory db security group



Task 5: Testing the application

1. The instance ID toggle between the 2 instances





2.

Task 6: Testing high availability

1. Terminate the instance and the new one is created