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

A screenshot of a computer

Description automatically generated

1. The internet gateways Lab IG is attached to Lab VPC A screenshot of a computer

   Description automatically generated

Task 2: Creating an application load Balancer

1. First availability Zone for the load balancer : A screenshot of a computer

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2. Security group for the load balancer: A screenshot of a computer

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Task 3: Creating an Auto Scaling group

1. Create launch templates A screenshot of a computer

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2. Create auto scaling group for both private subnet to make EC2 instances accress both AZA screenshot of a computer

   Description automatically generated
3. Create auto scaling group successfully A screenshot of a computer

   Description automatically generated

Task 4: Updating security groups

1. Edit the inbound rule A screenshot of a computer

   Description automatically generated
2. Edit inbound rule for the inventory db security groupA screenshot of a computer

   Description automatically generated

Task 5: Testing the application

1. The instance ID toggle between the 2 instancesA screenshot of a computer

   Description automatically generated
2. A screenshot of a computer

   Description automatically generated

Task 6: Testing high availability

1. Terminate the instance and the new one is created

A screenshot of a computer

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