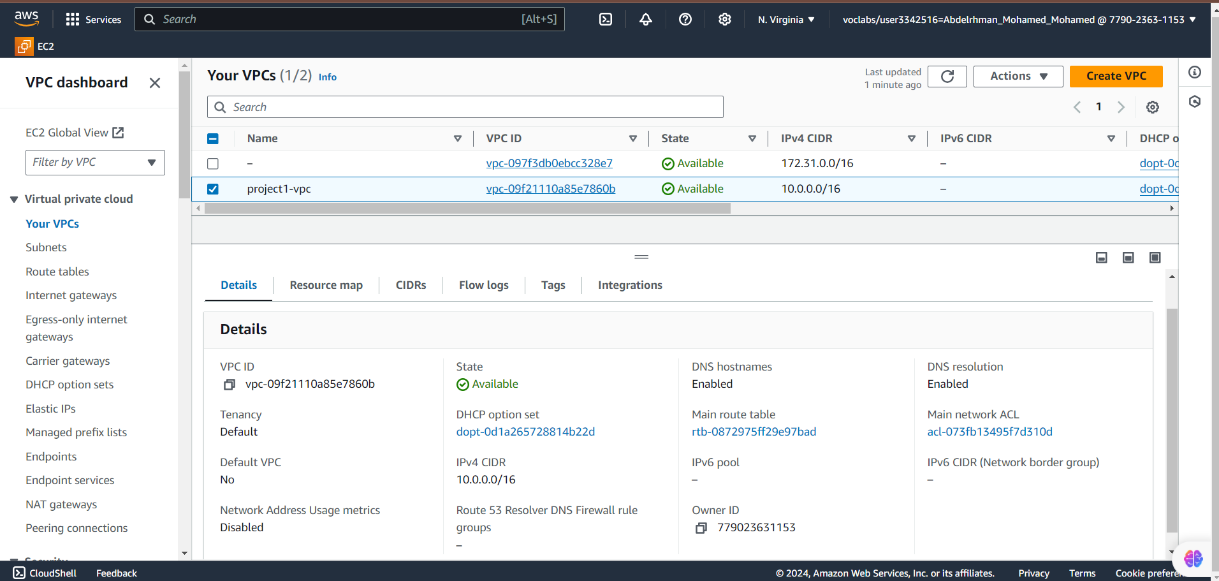
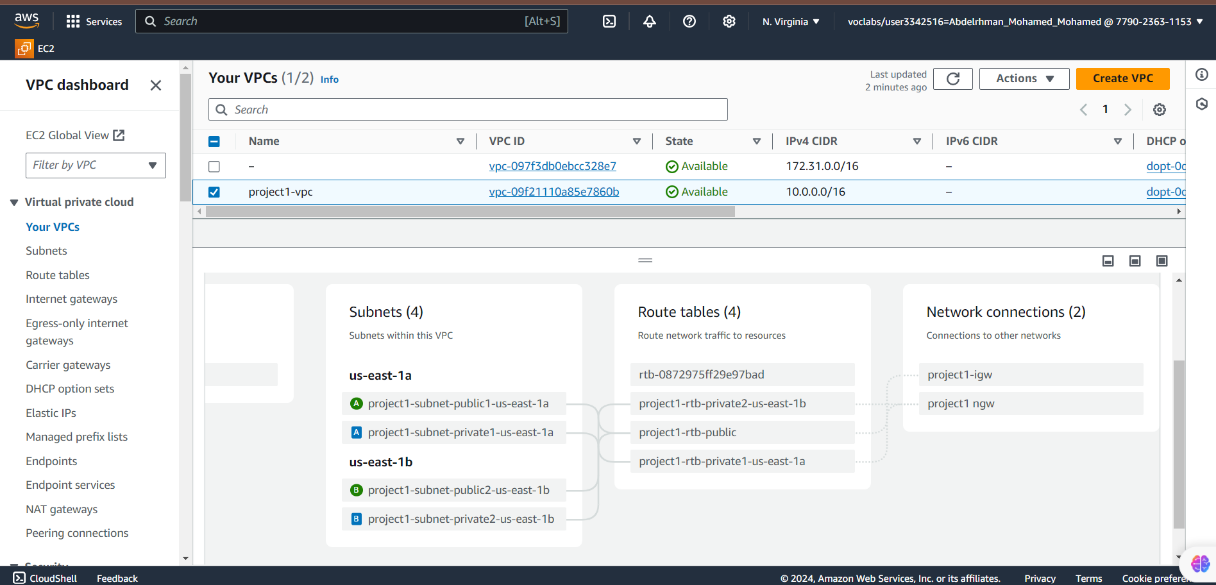
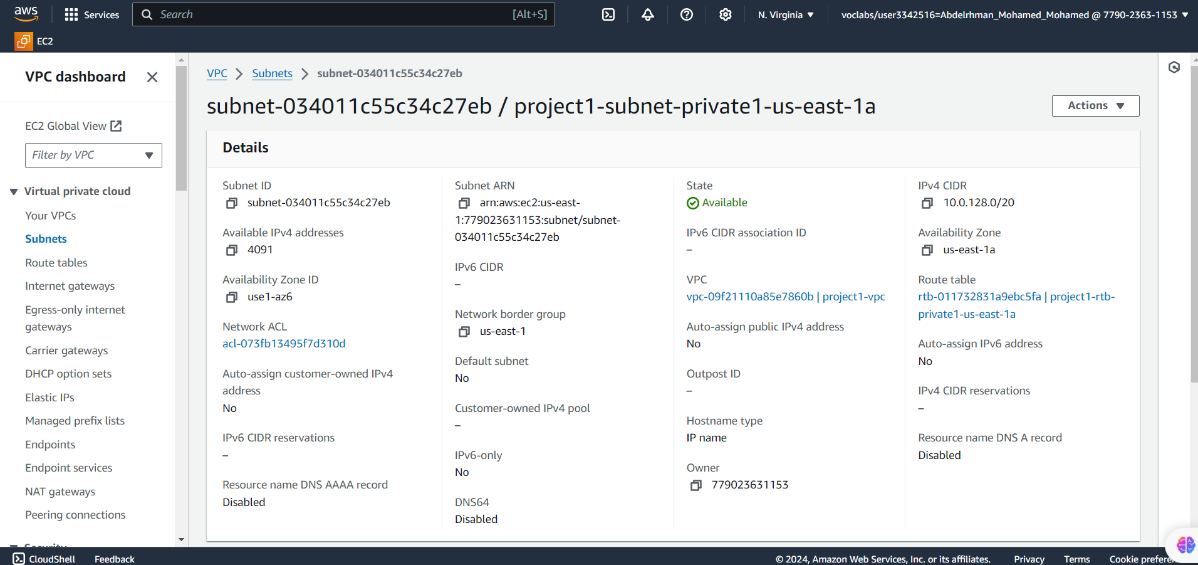
**Phase 2: Creating a basic functional web application**

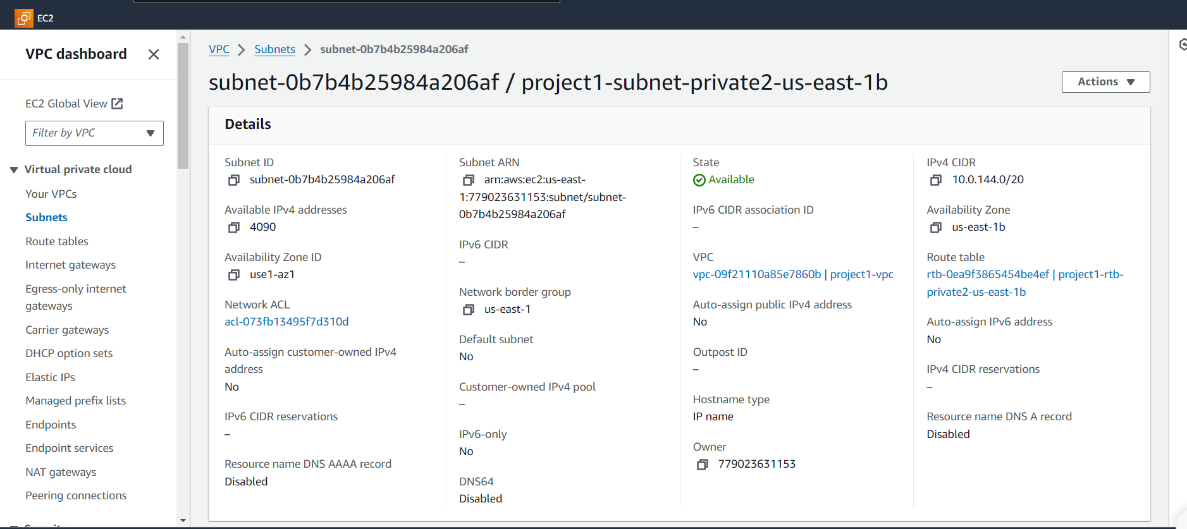
**Task 1: Creating a virtual network**

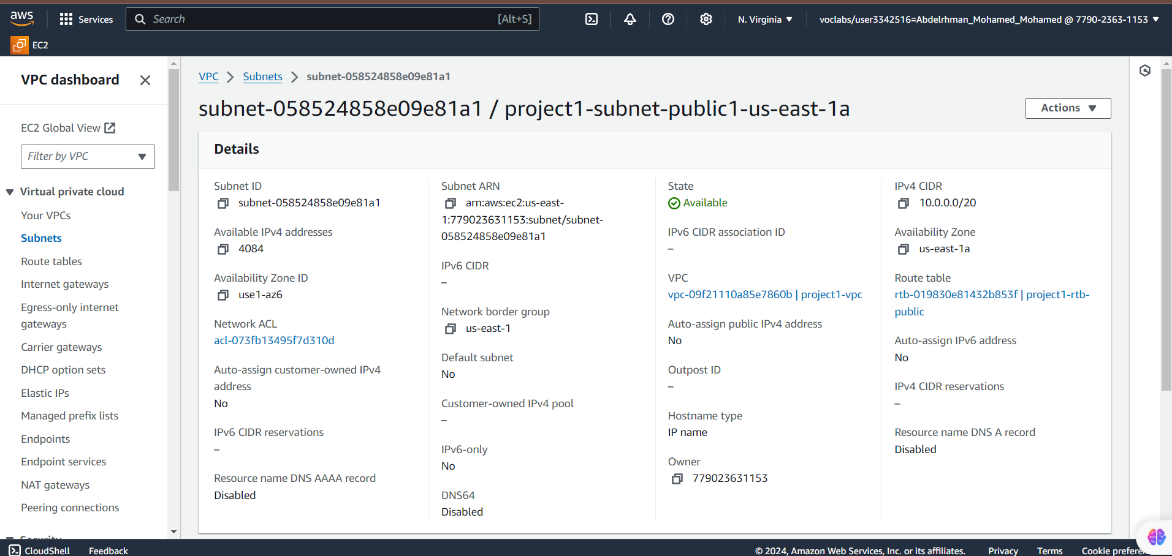


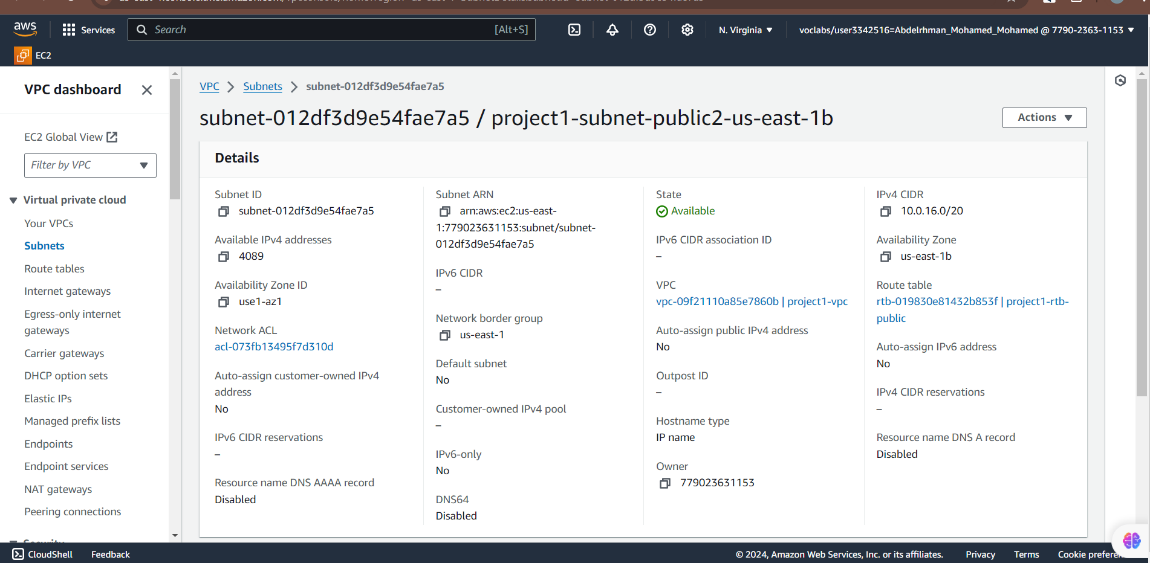


**Subnets**

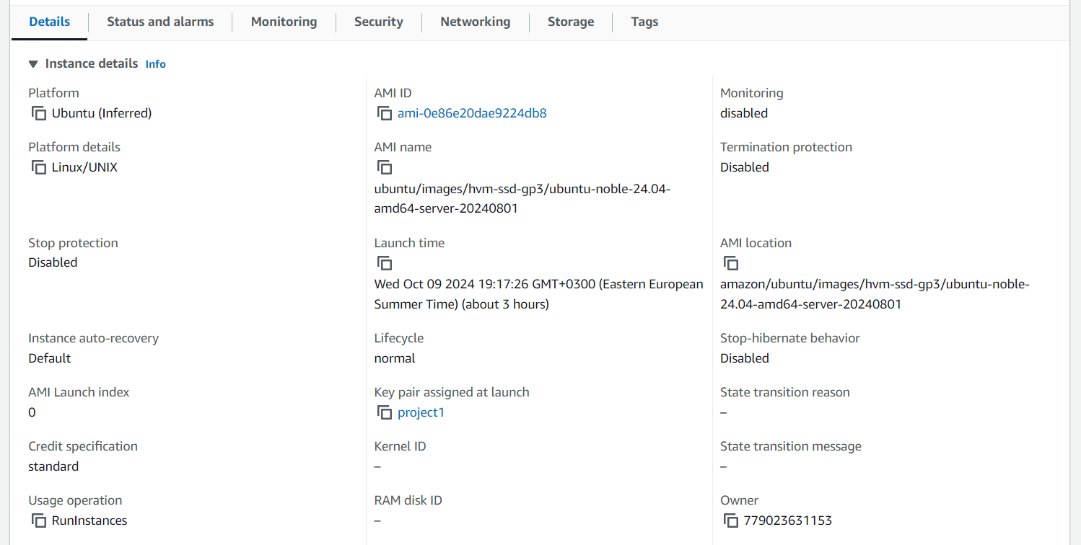
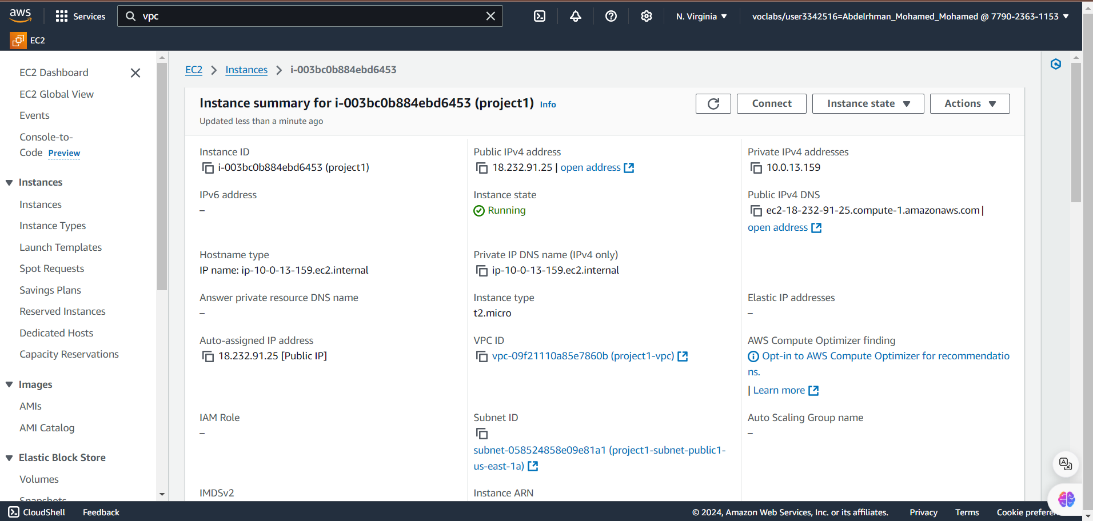
****

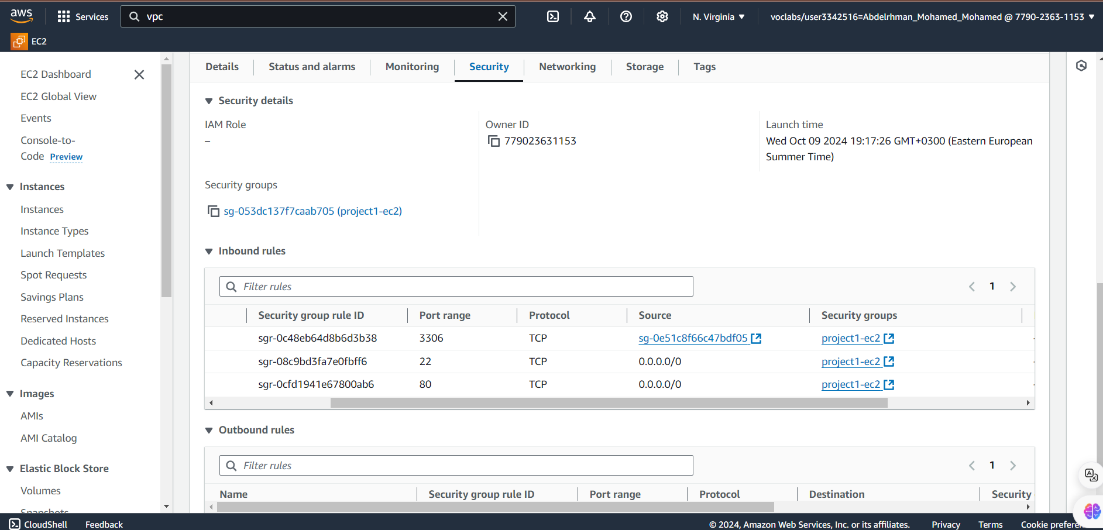
****

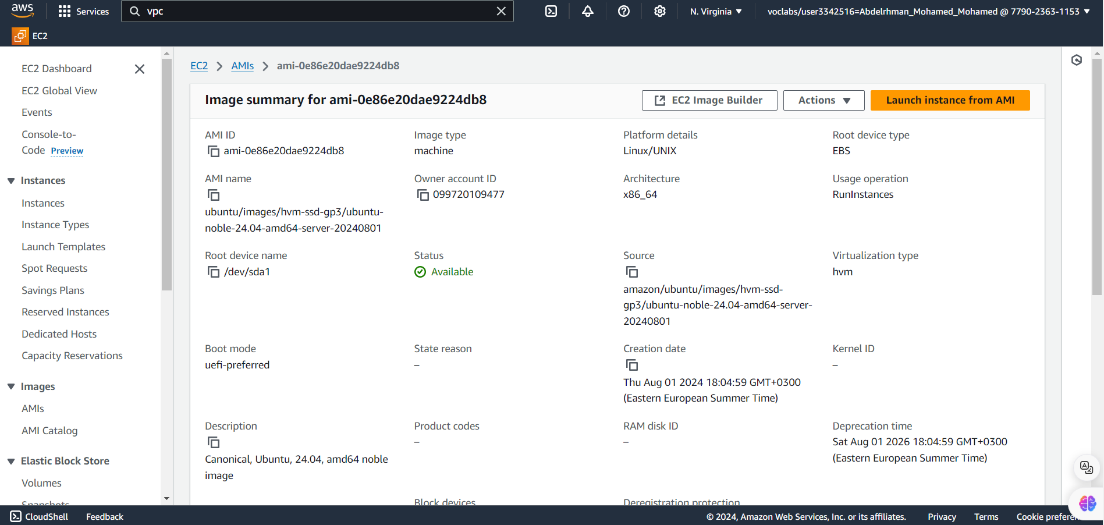
****

****

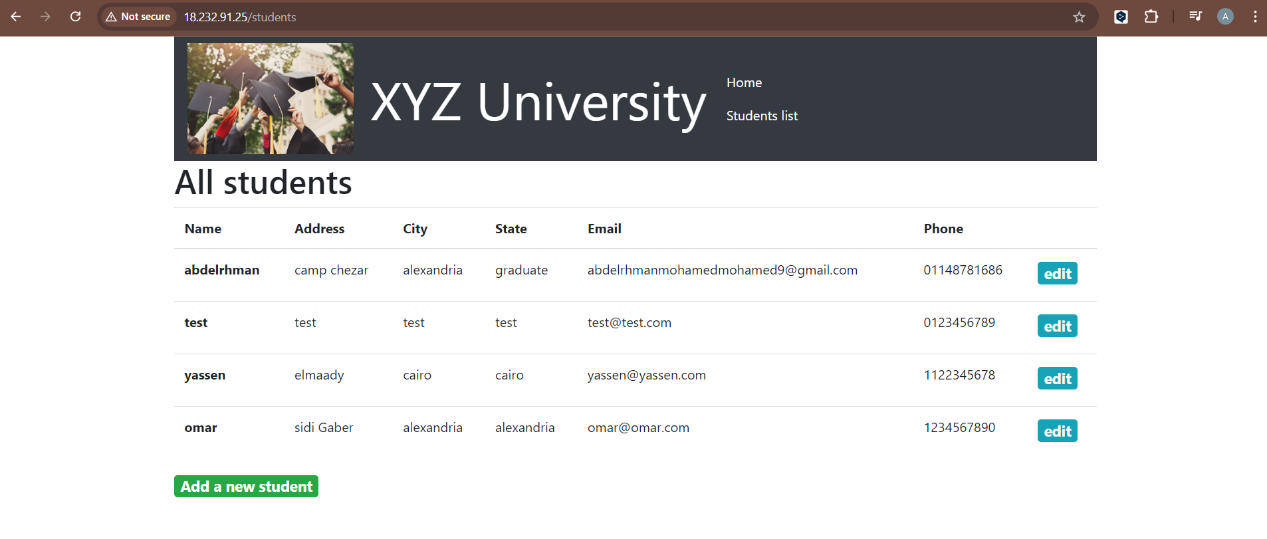
**Task 2: Creating a virtual machine**

****

****

****

**Task 3: Testing the deployment**

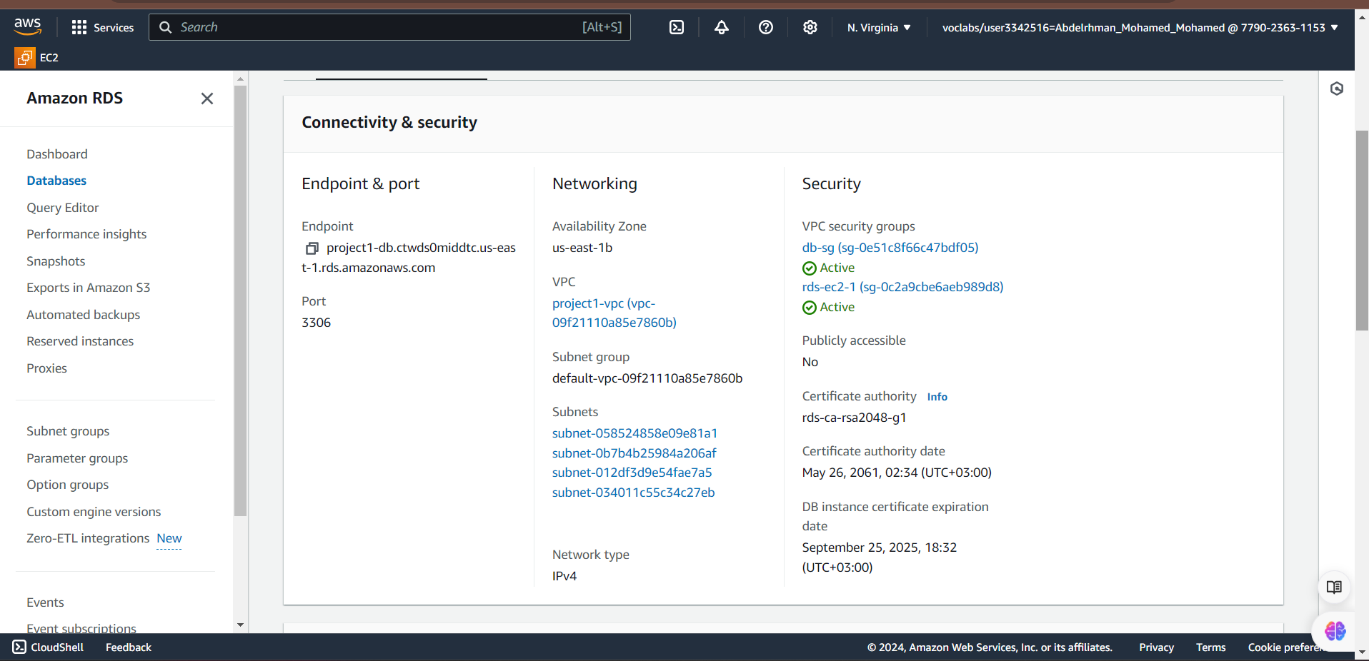
****

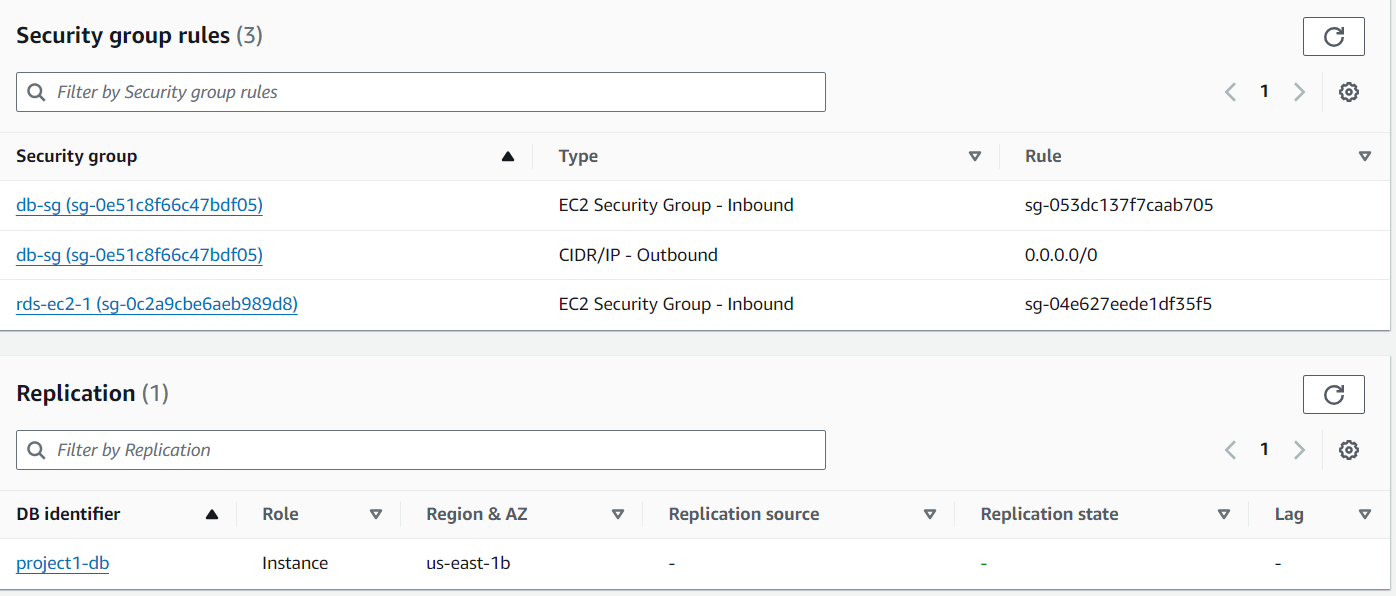
**Phase 3: Decoupling the application components**

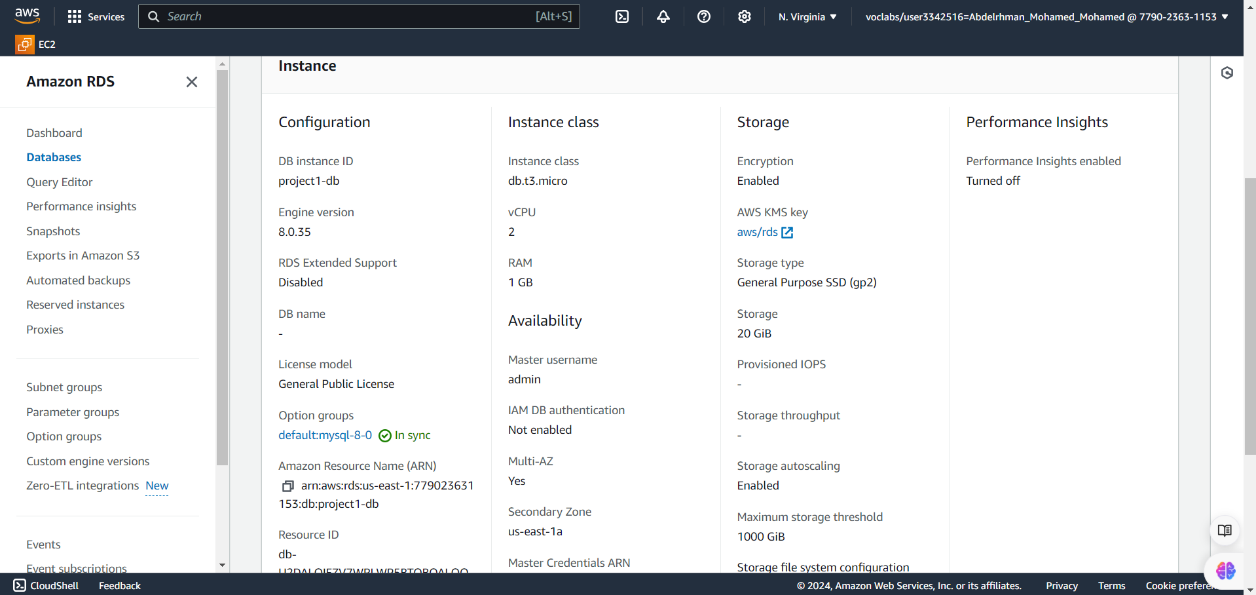
**Task 1: Changing the VPC configuration**

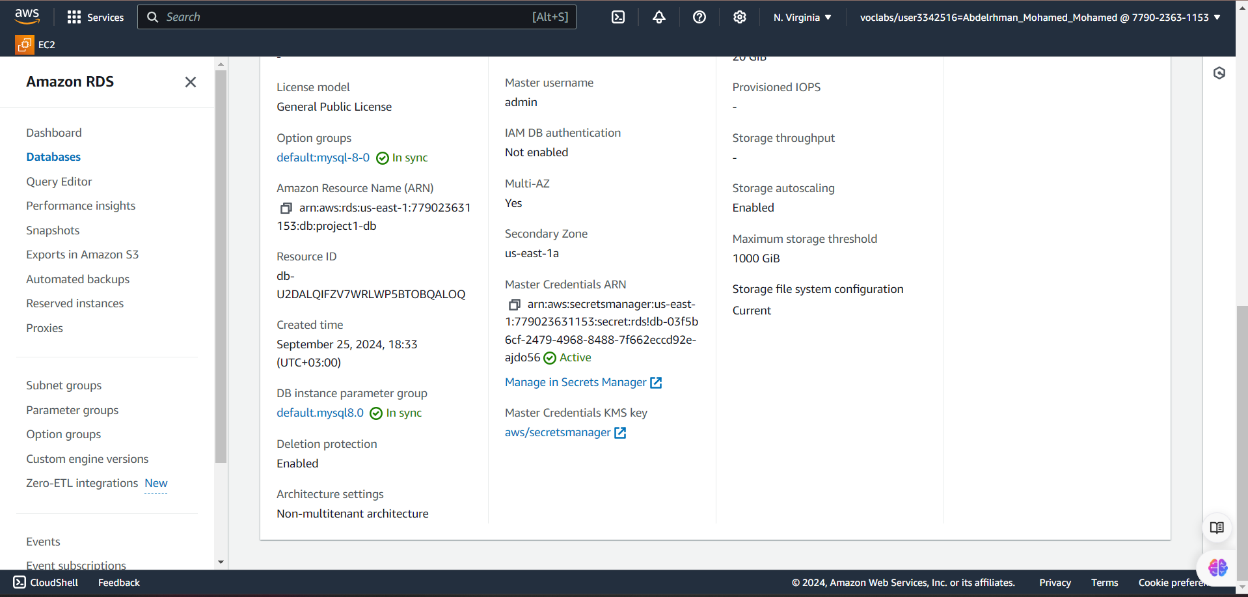
Same pics like phase 2 task 2

**Task 2: Creating and configuring the Amazon RDS database**

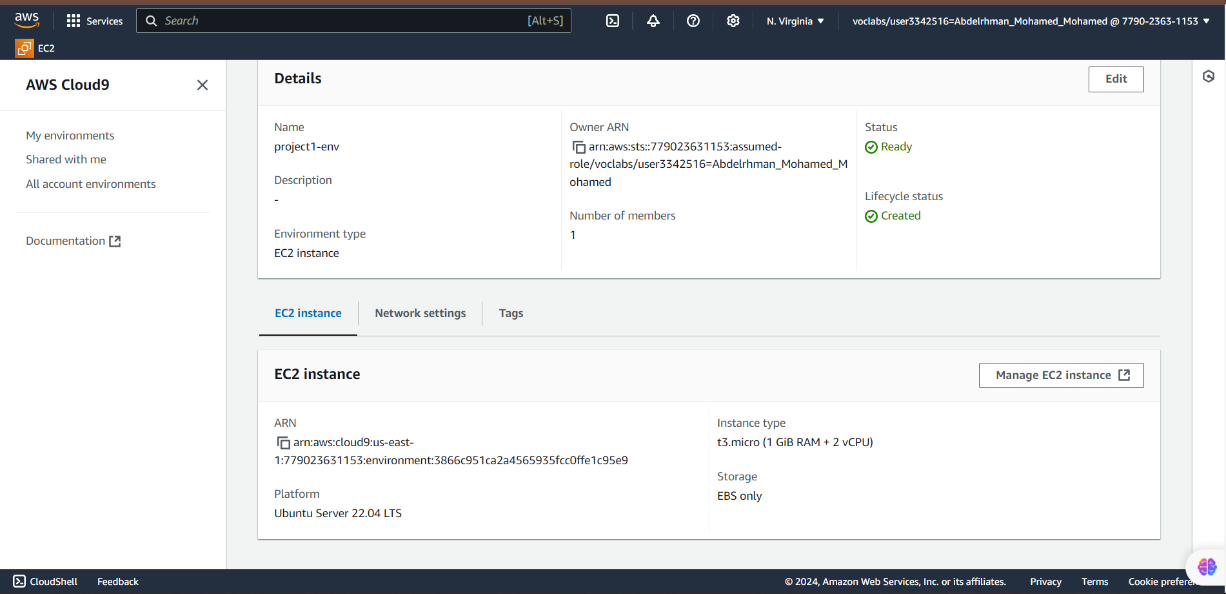


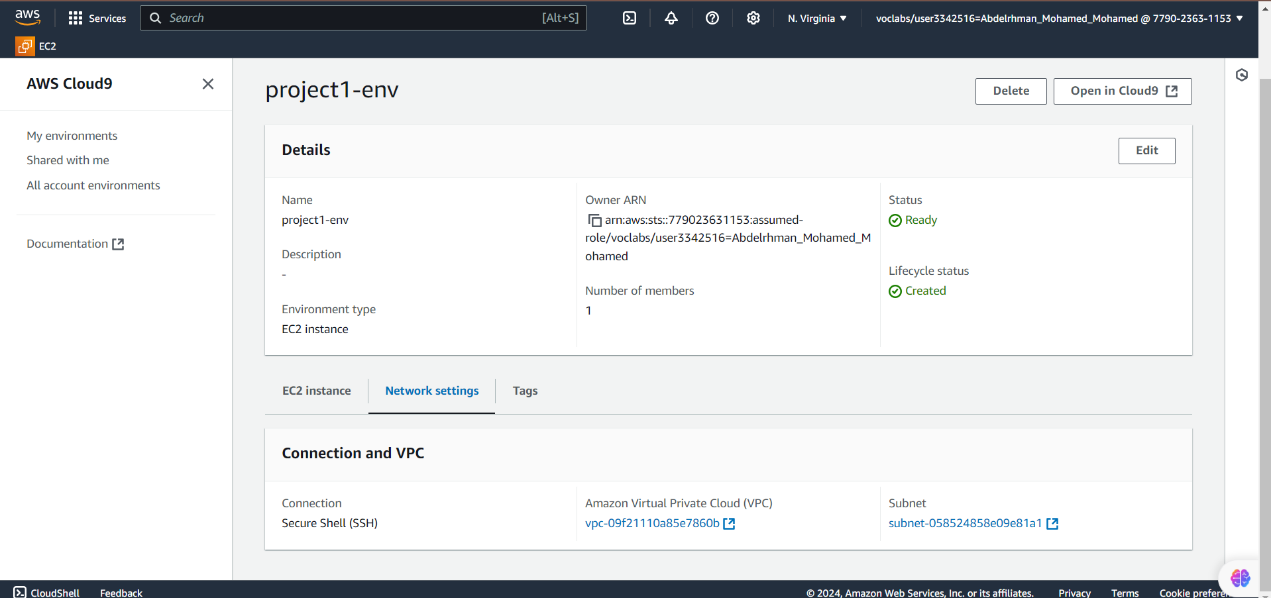




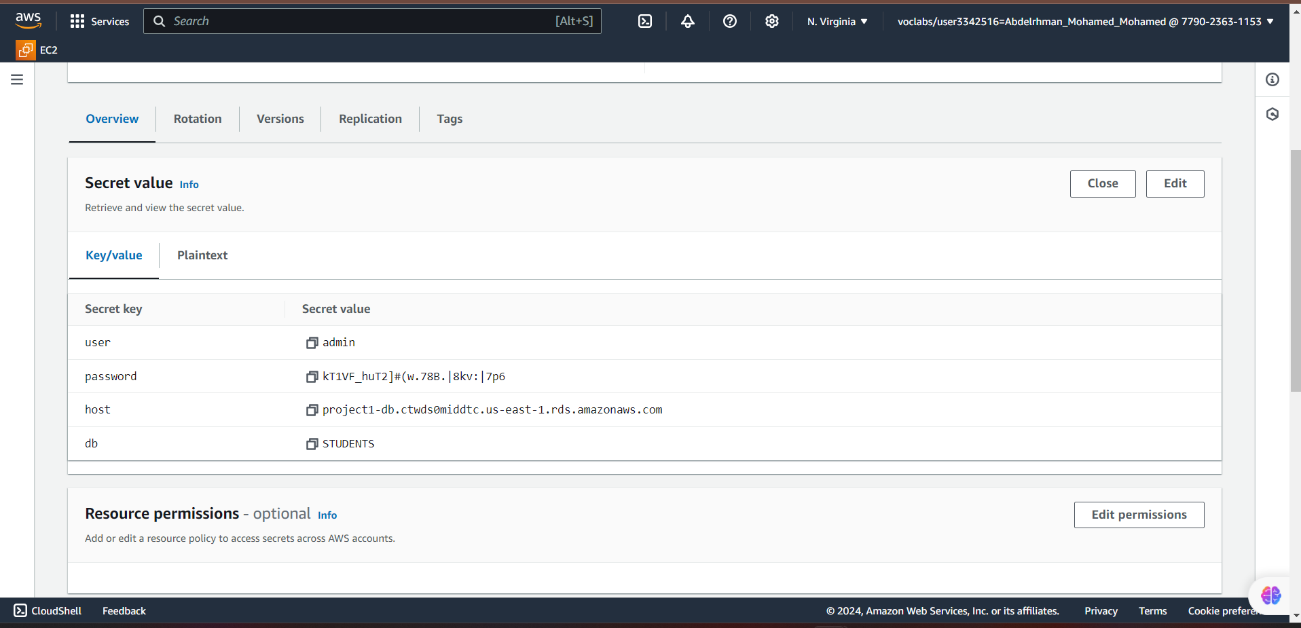
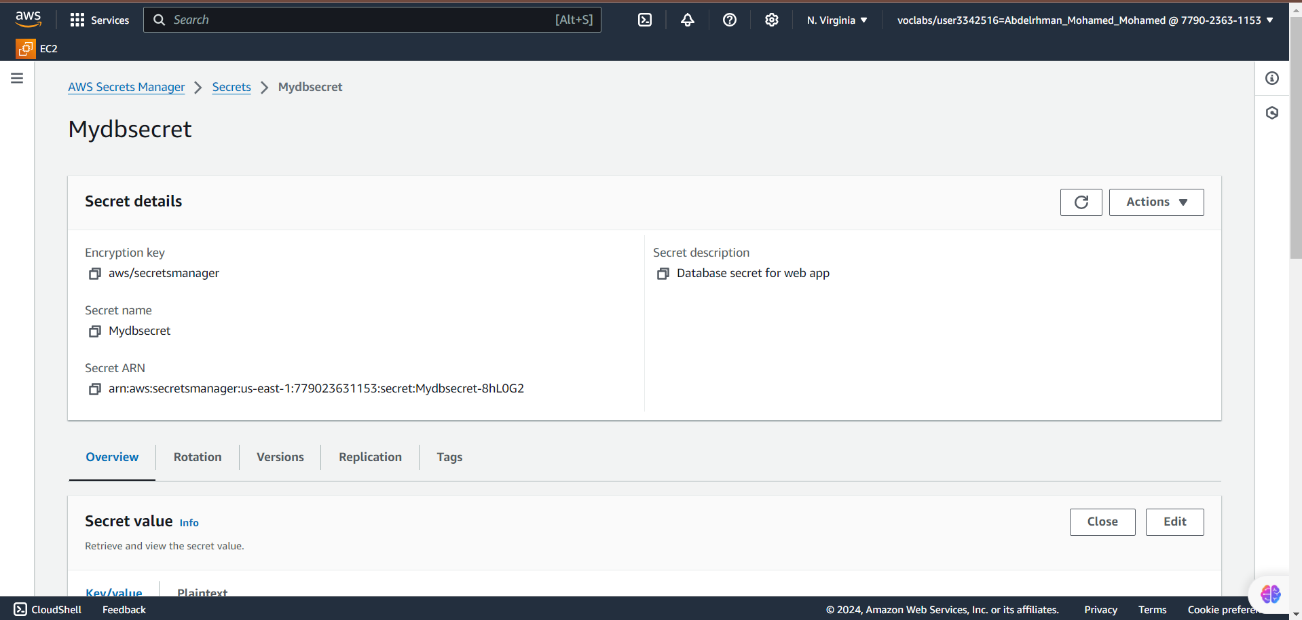


**Task 3: Configuring the development environment**

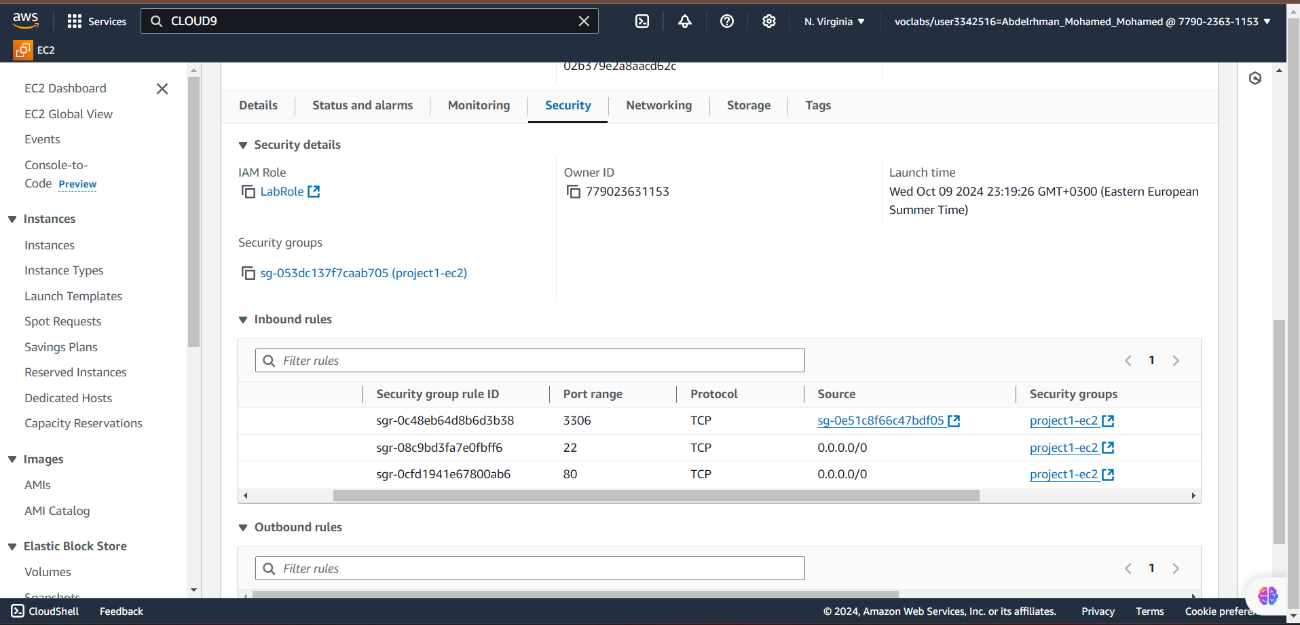
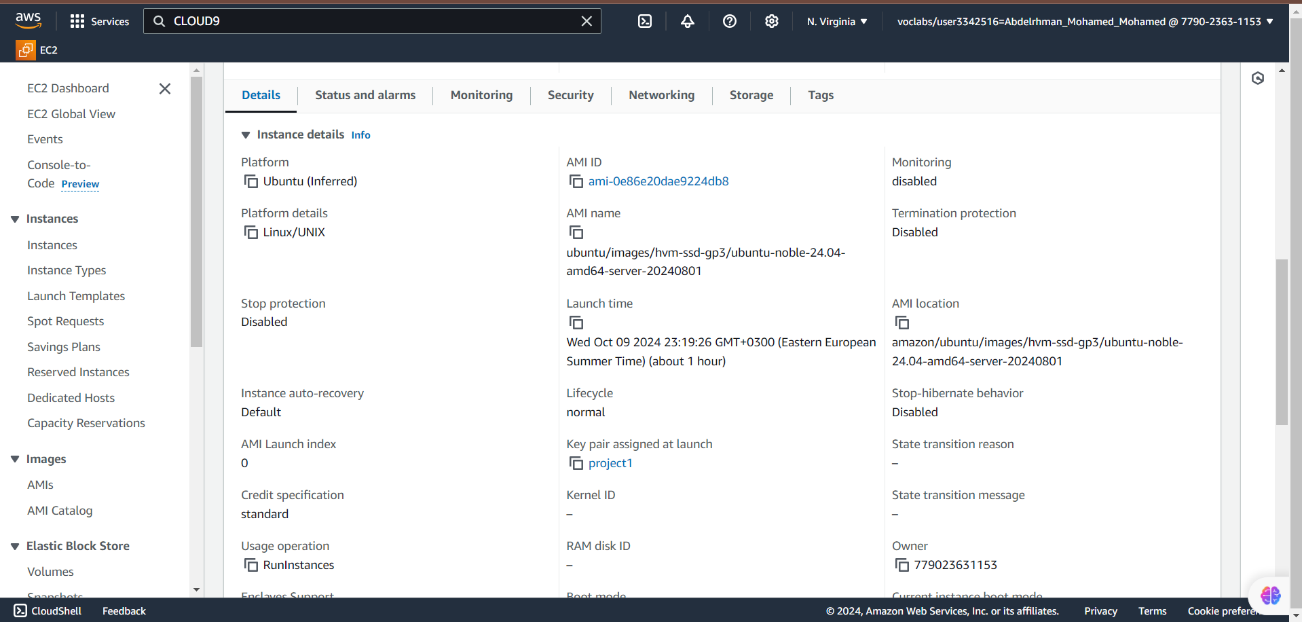
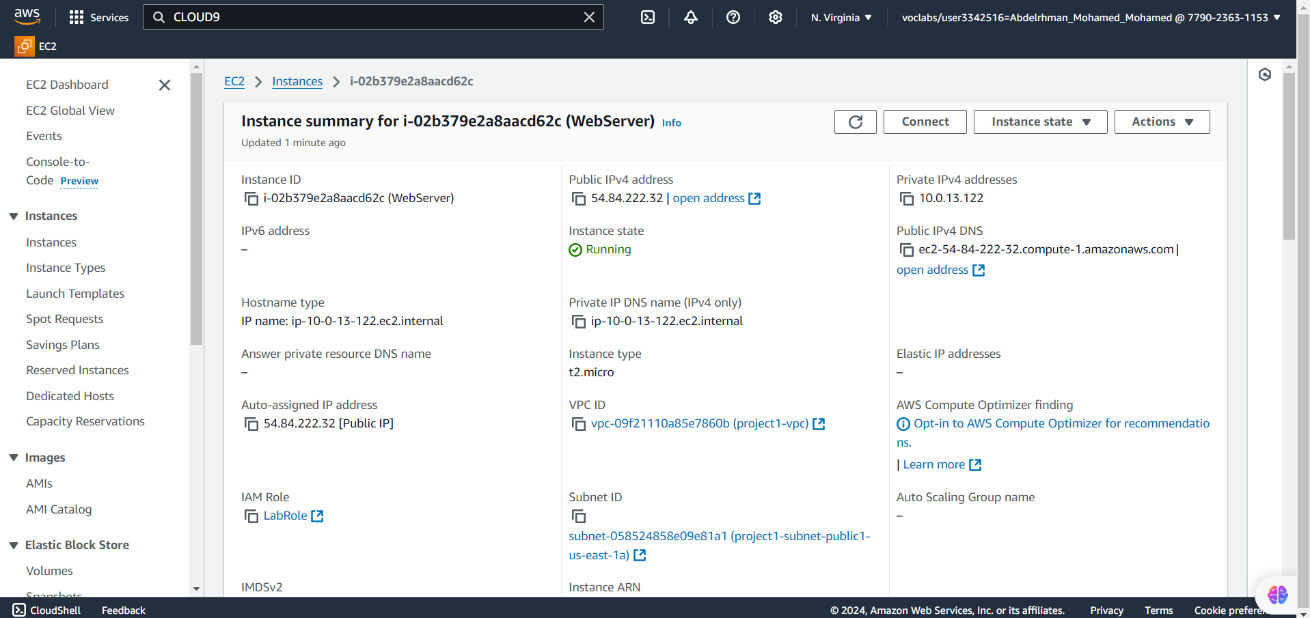




**Task 4: Provisioning Secrets Manager**

****

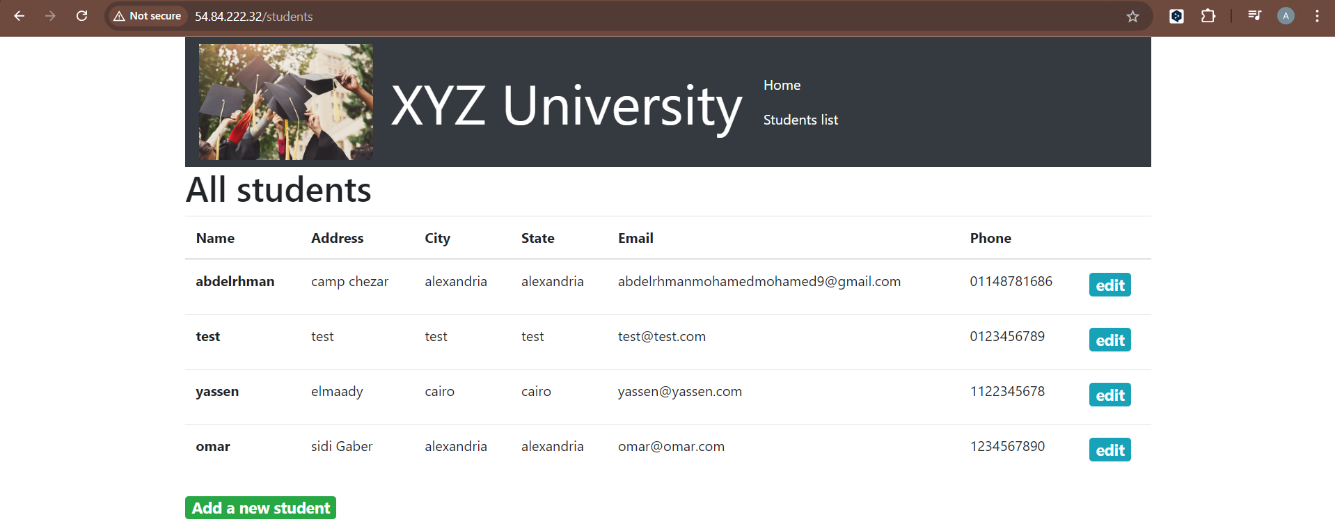
**Task 5: Provisioning a new instance for the web server**

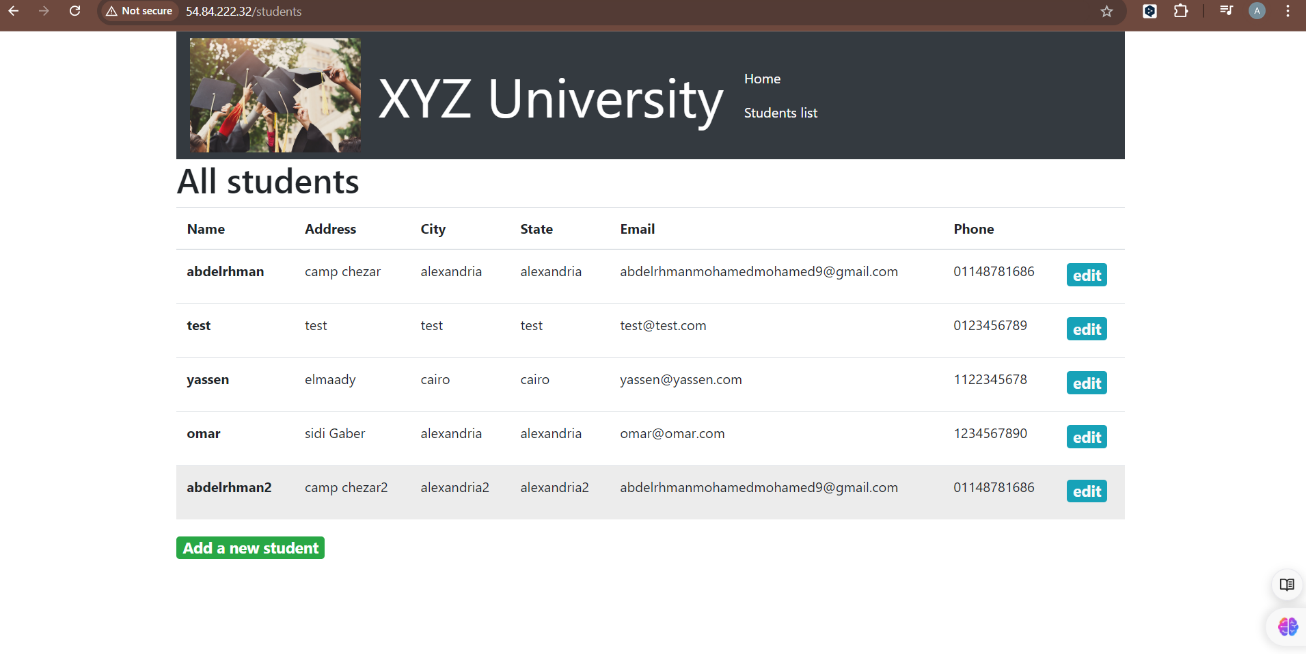
****

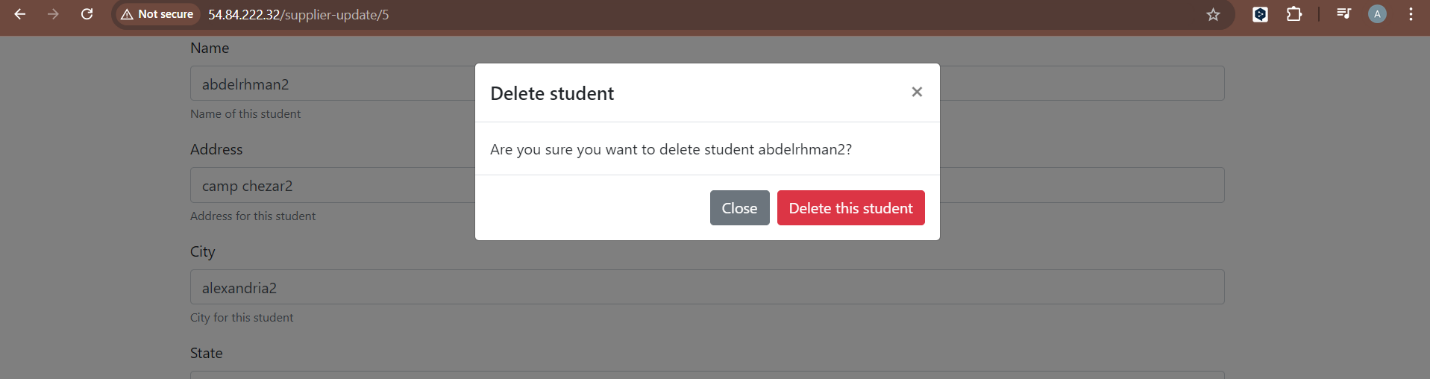
**Task 6: Migrating the database**

the data has been migrated using the script provided from the lab

**Task 7: Testing the application**

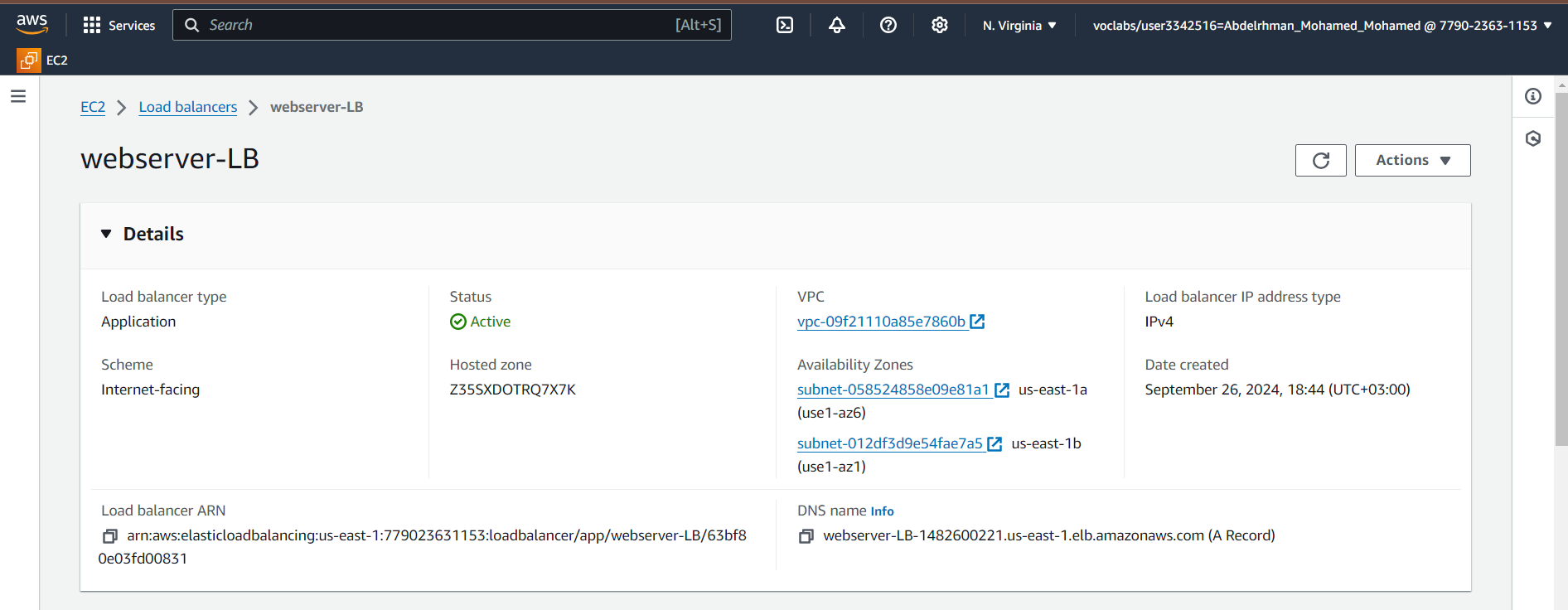
****

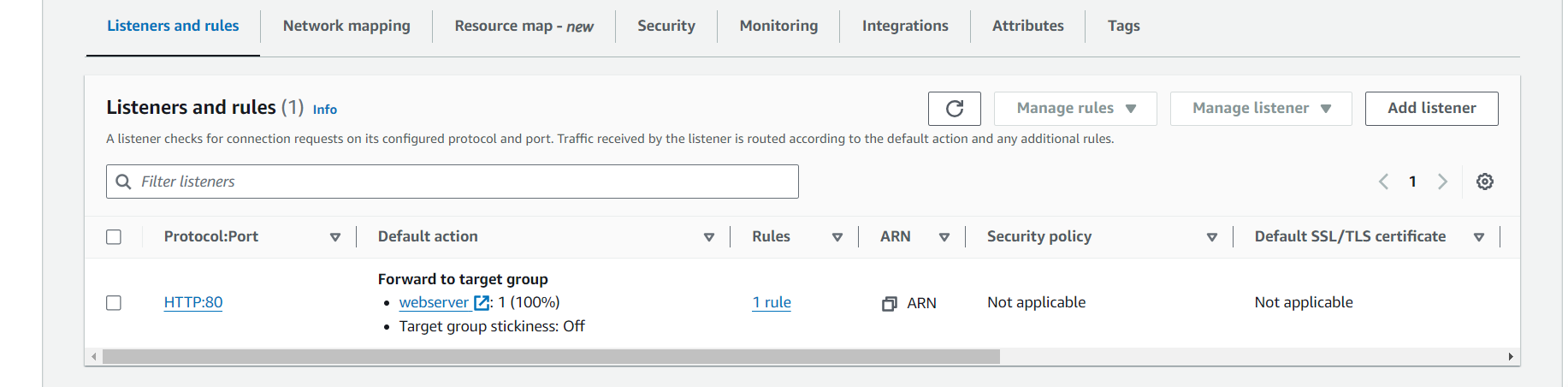
****

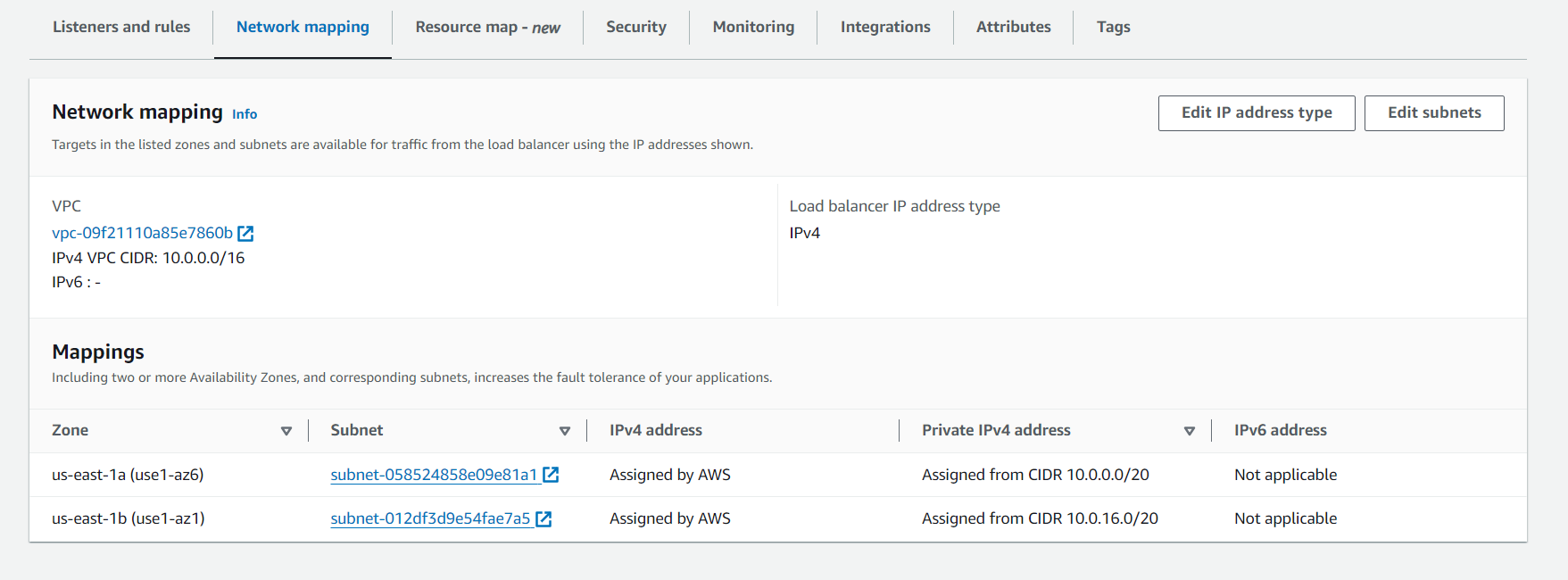
****

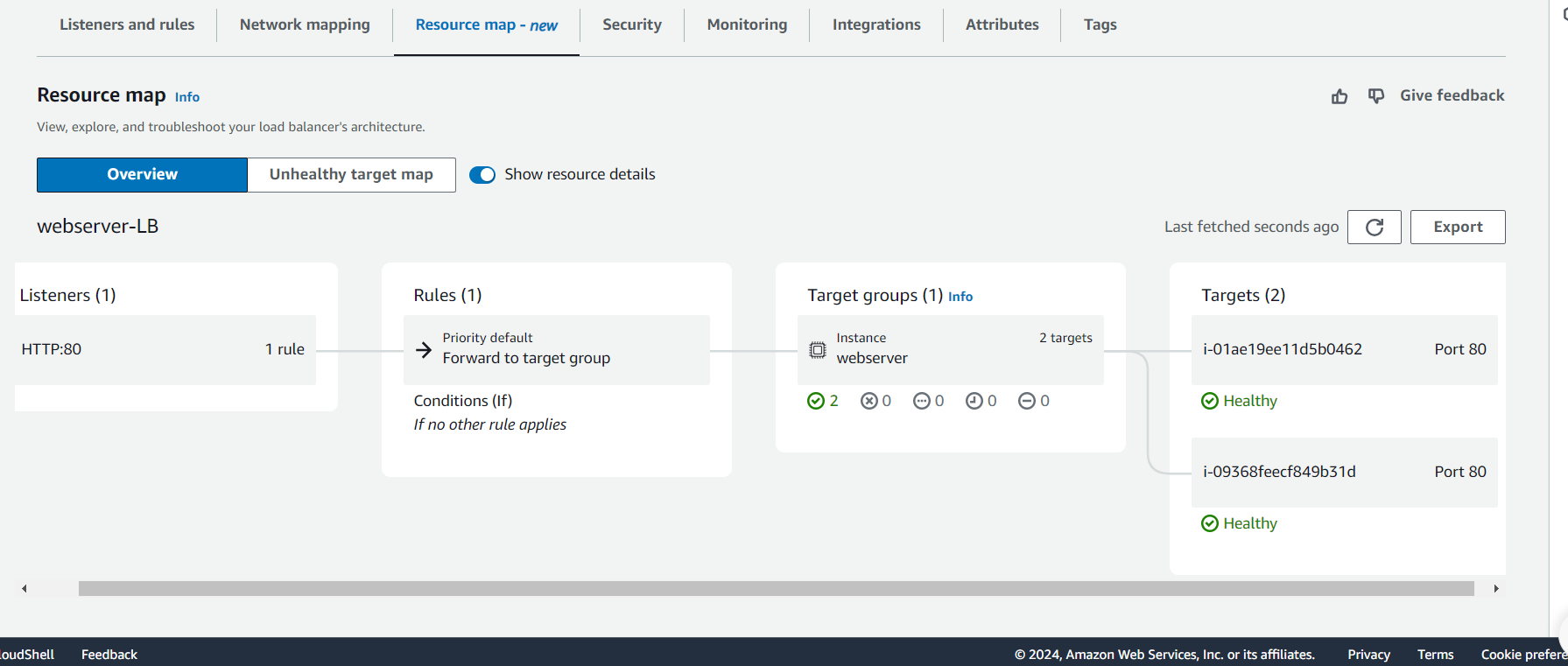
**Phase 4: Implementing high availability and scalability**

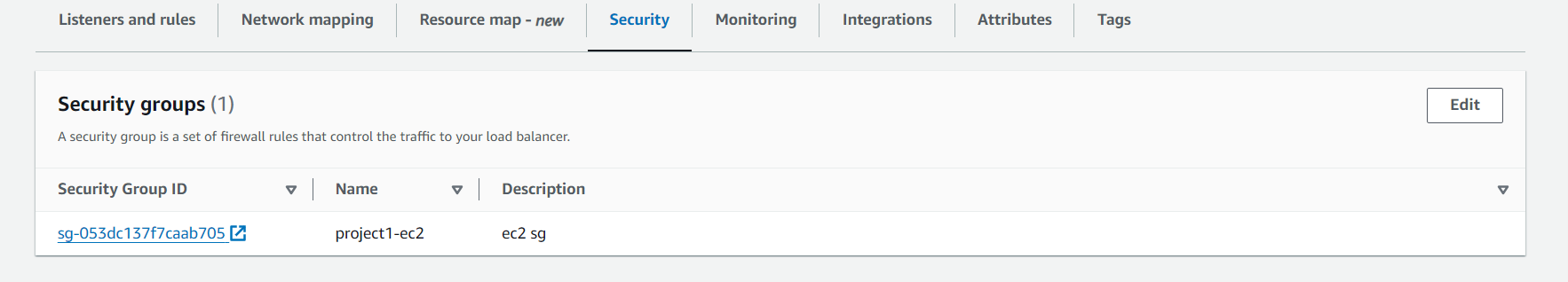
**Task 1: Creating an Application Load Balancer**

****

****

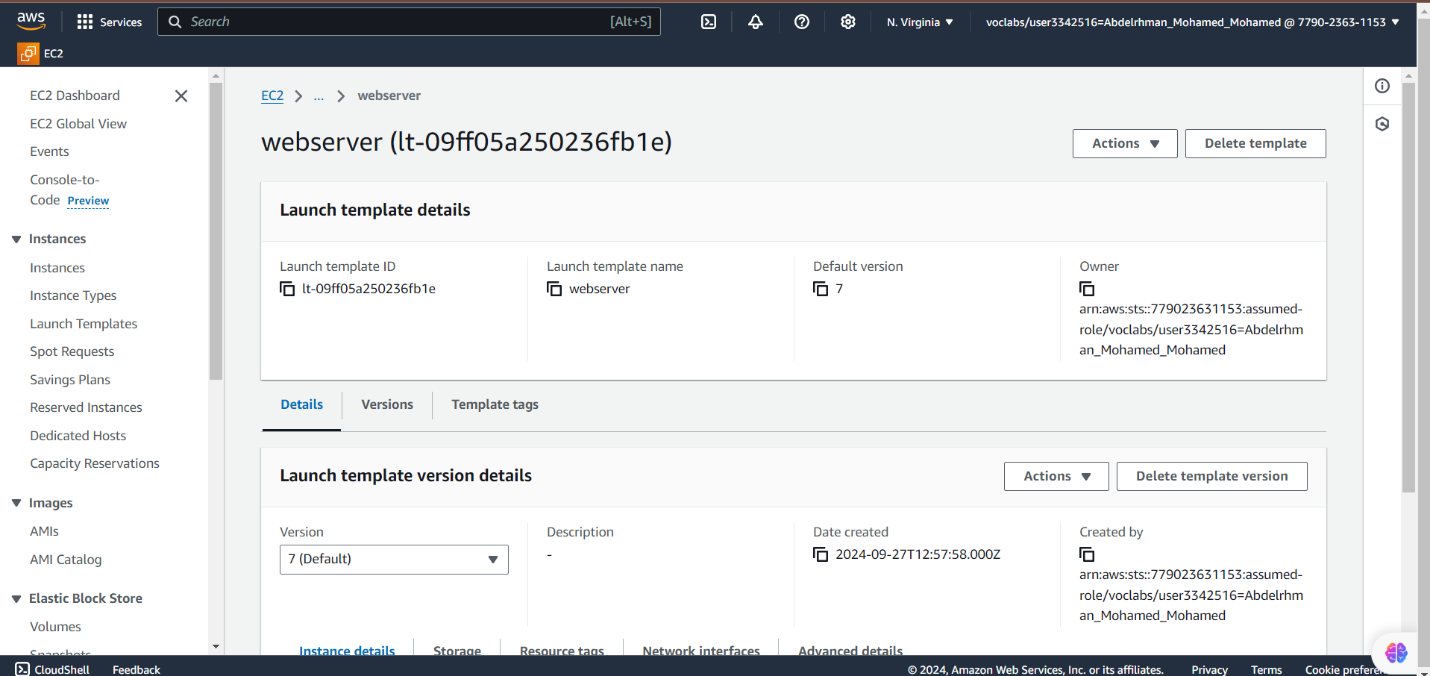
****

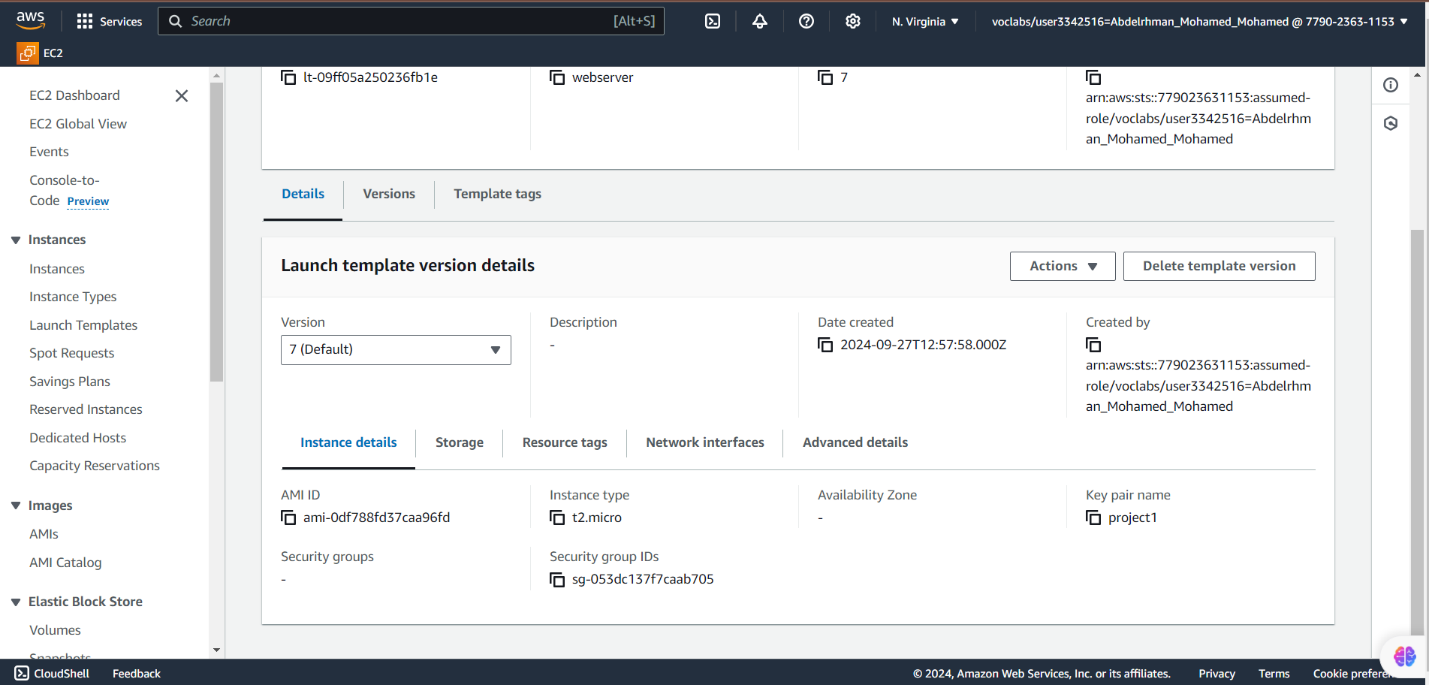
****

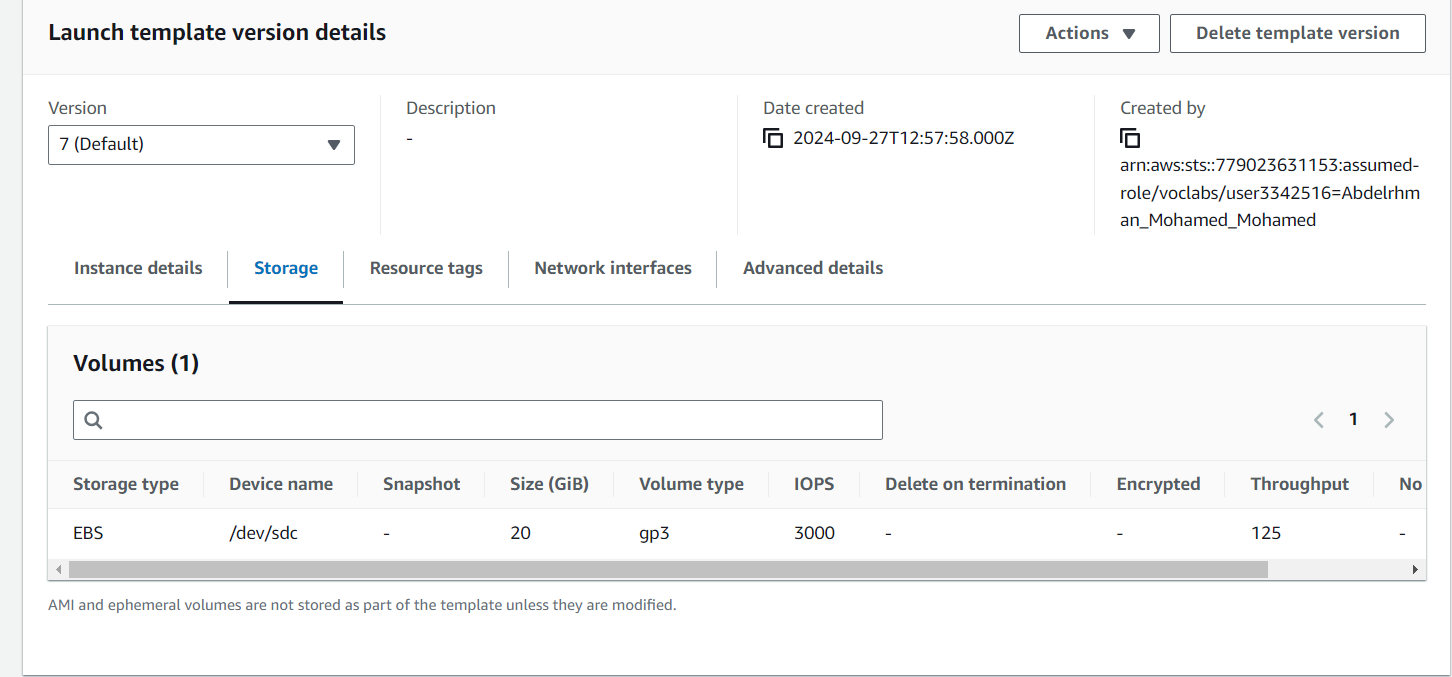
****

**Task 2: Implementing Amazon EC2 Auto Scaling**

**Launch template**

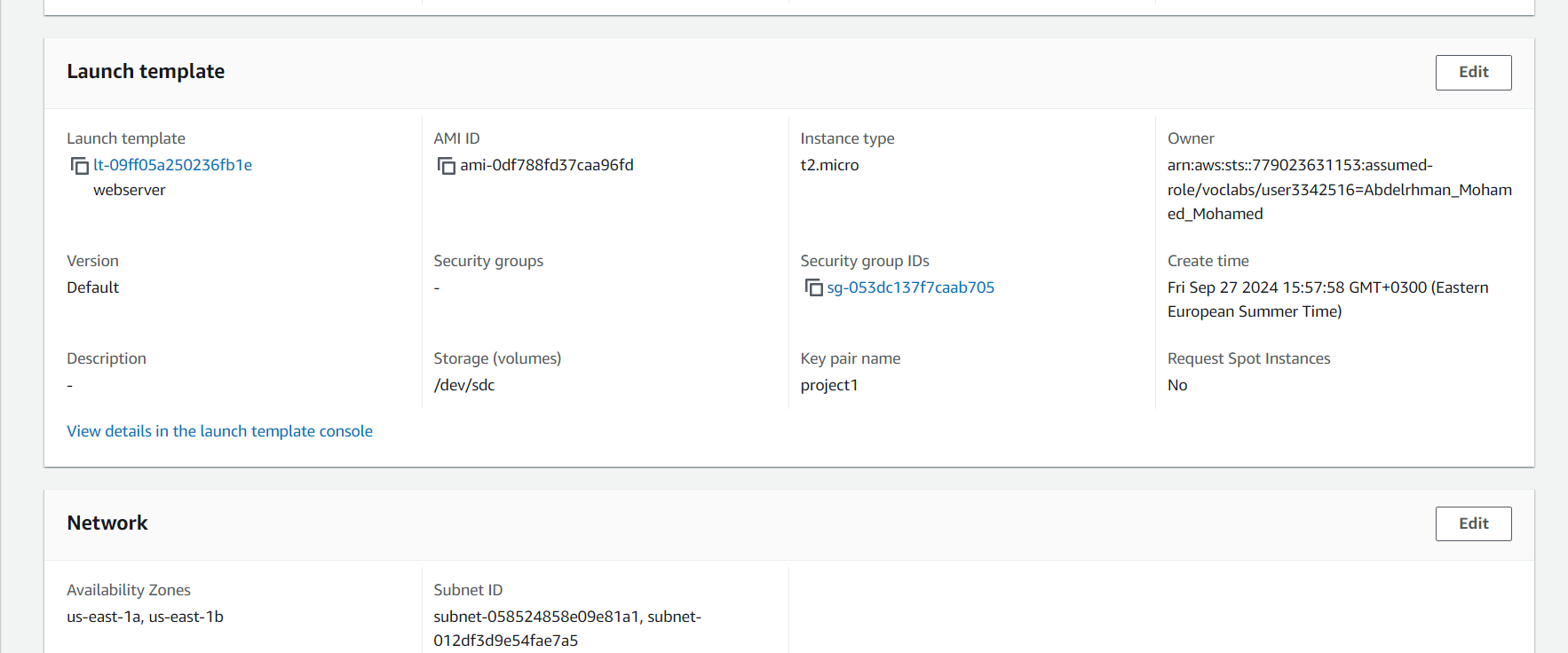
****

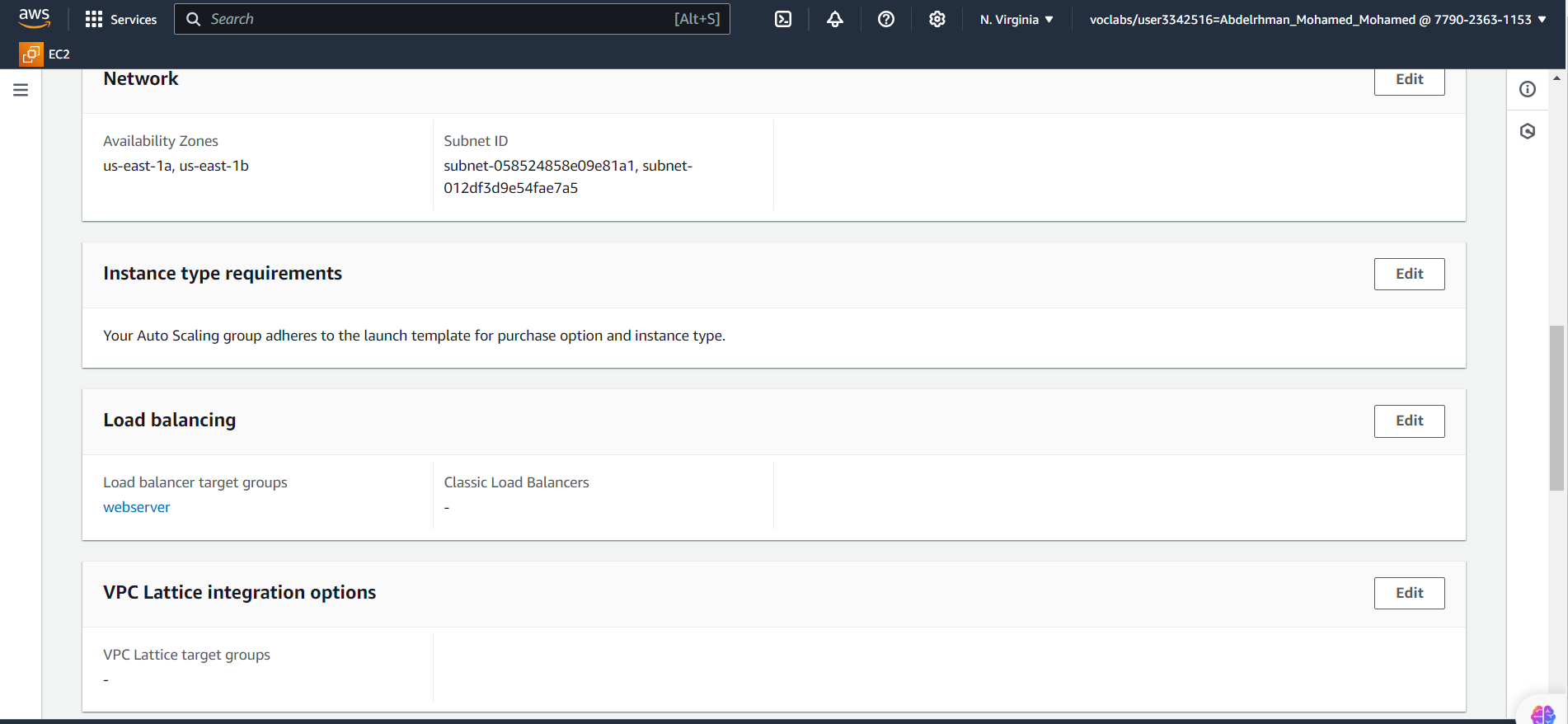
****

****

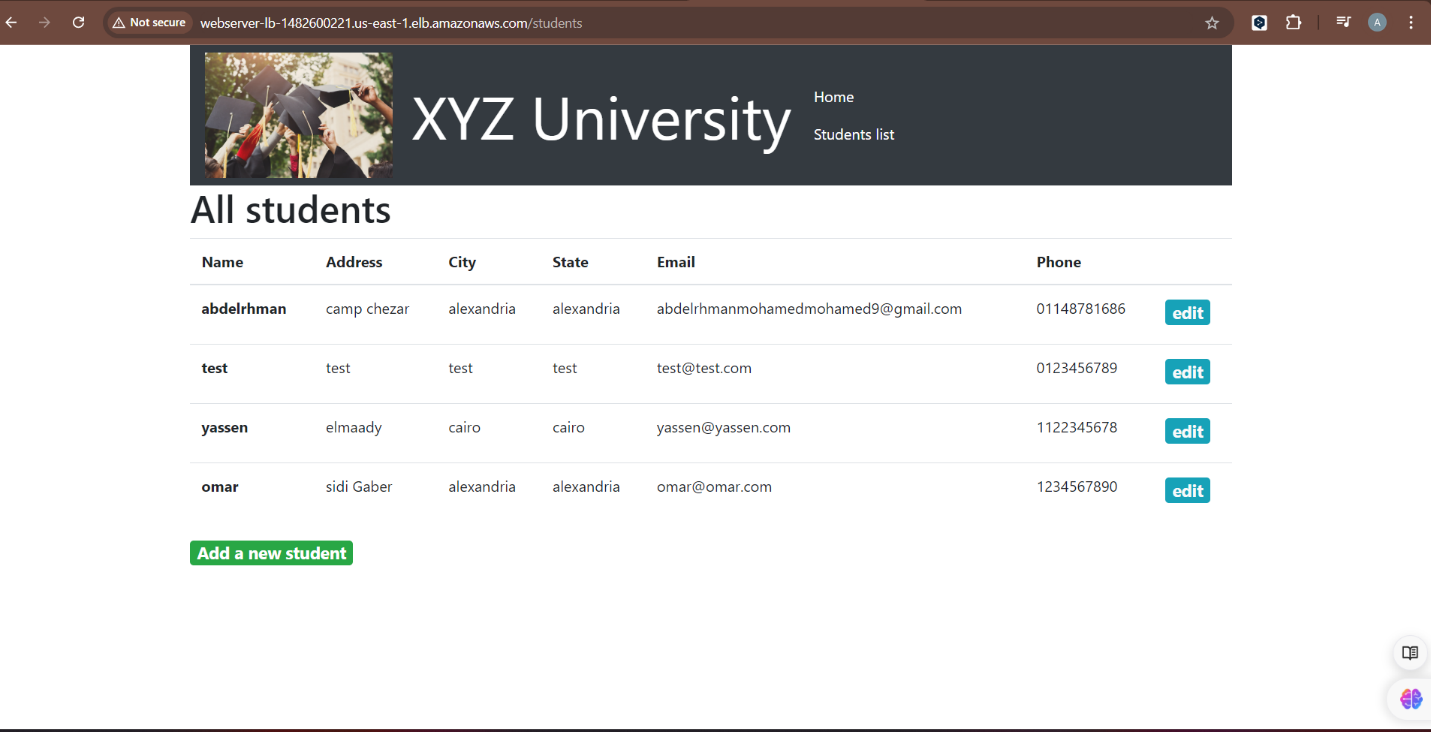
**Auto scaling group**

****

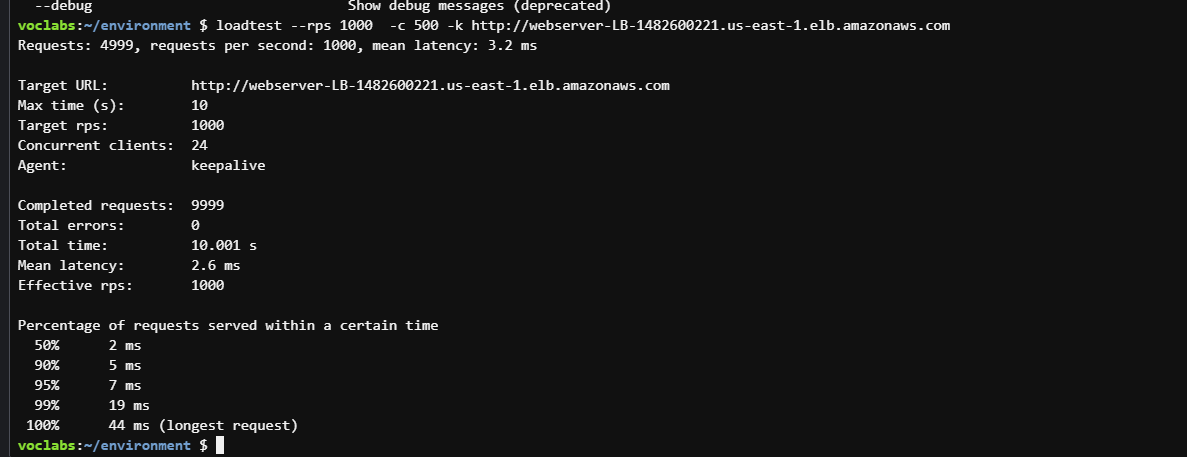
****

****

**Task 3: Accessing the application**



**Task 4: Load testing the application**



**Badge**

****