Advance AWS

AWS Project- 2 (Day -15)

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Teacher:

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Course:

Advance AWS Cloud Computing with DevOps Fundamentals

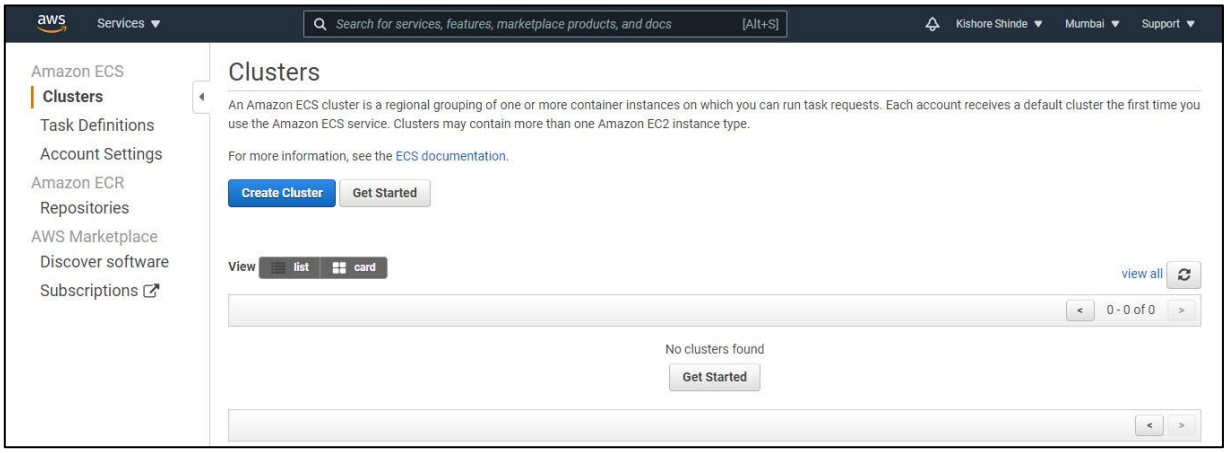
Institute:

Lets Upgrade

Project 2: Working with Elastic container service using Fargate

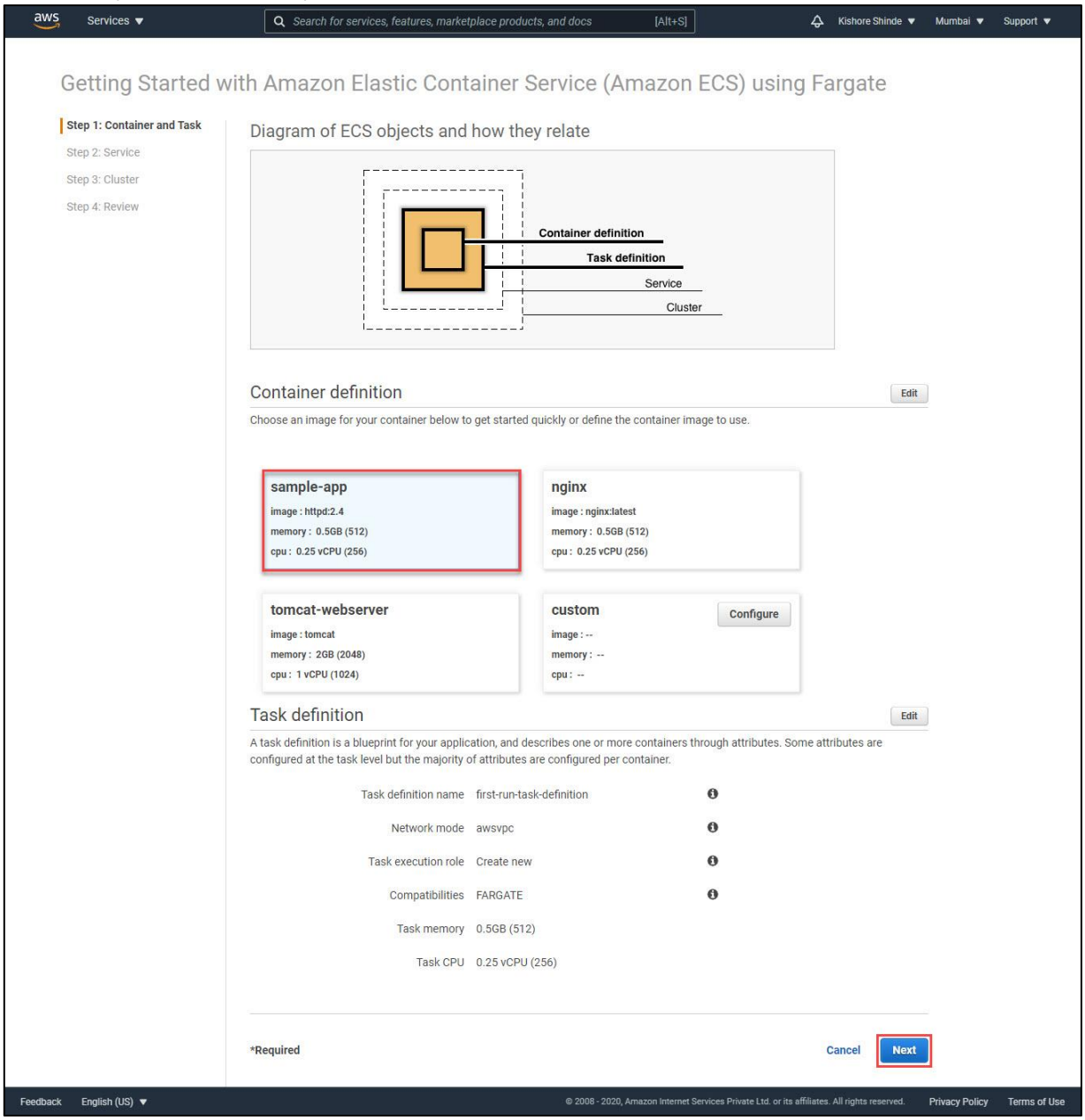
Step 1: Getting started with Amazon ECS using Fargate

SS1: ECS Console



Step 2: Creating container and task definition

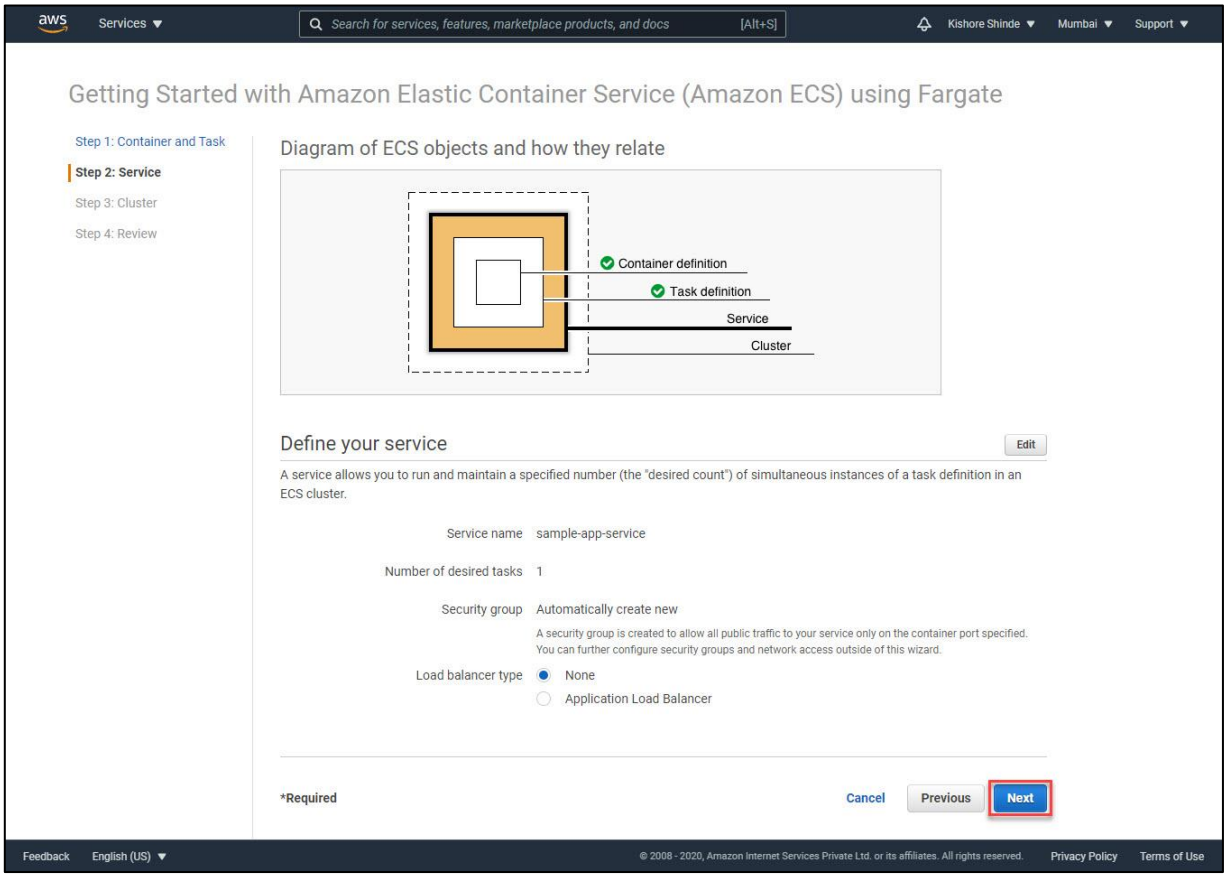
SS2: 2nd panel with all options visible – Container and Task



- **Container definition:**
  - **sample-app**
    - **image:** httpd:2.4
    - **Memory:** 0.5GB (512)
    - **CPU:** 0.25 vCPU (256)
- **Task definition:**
  - **Task definition name:** first-run-task-definition
  - **Network mode:** awsvpc
  - **Compatibilities:** FARGATE
  - **Task Memory:** 0.5GB (512)
  - **Task CPU**: 0.25 vCPU (256)

Step 3: Configuring the service

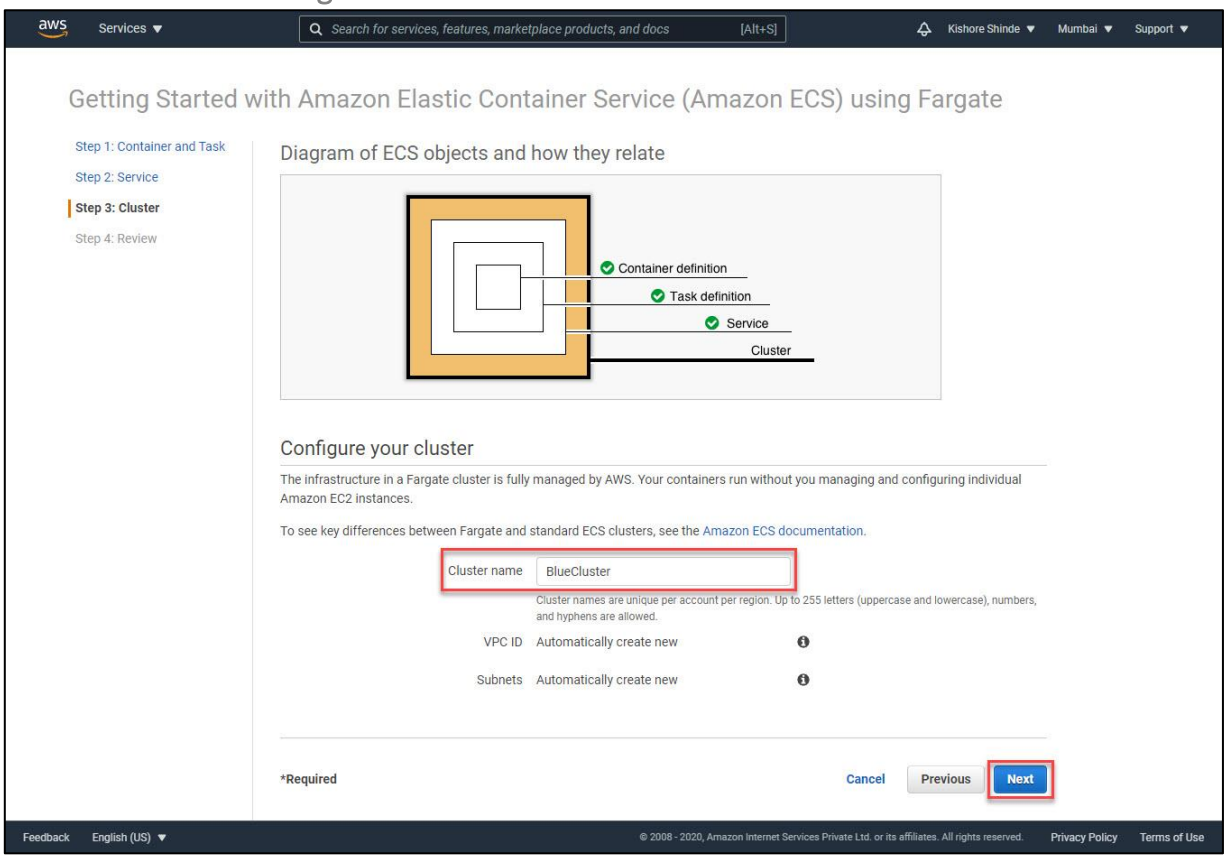
SS3: Next Panel – Service



- Define your service
  - **Service name:** sample-app-service
  - **Number of desired tasks:** 1
  - **Security group:** Automatically create new
  - **Load balancer type:** None

Step 4: Configuring the cluster

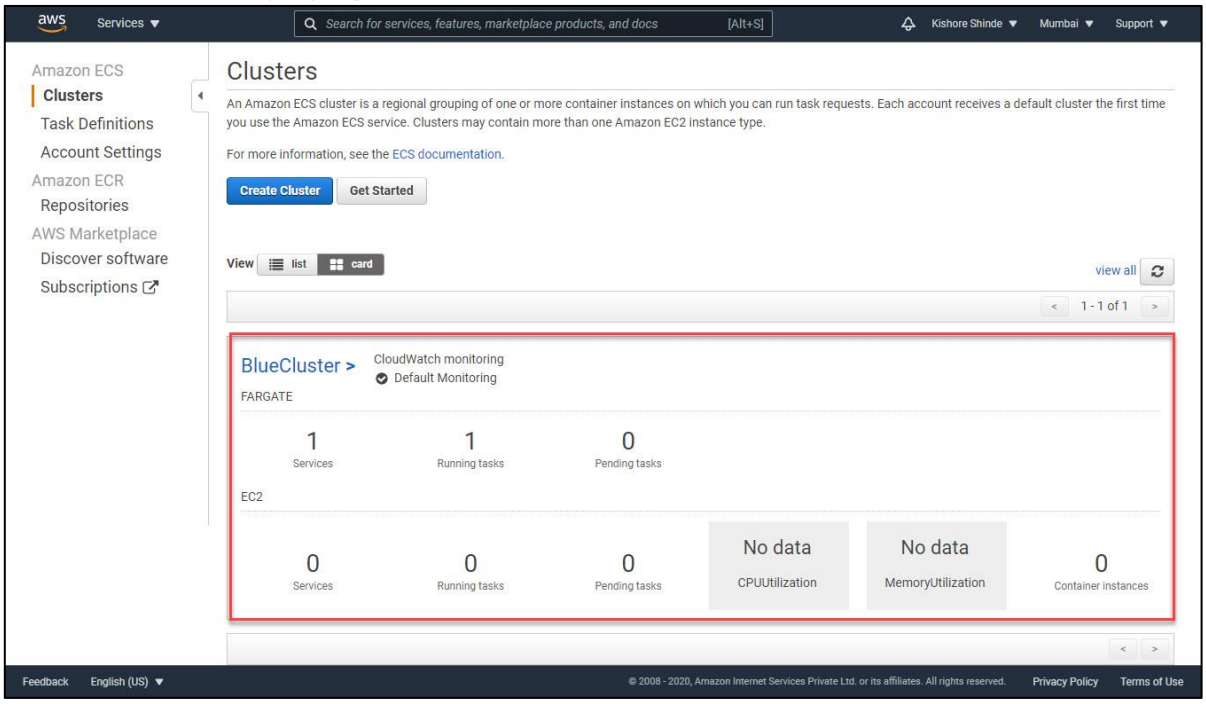
SS4: Next Panel - Configure Cluster



- Configure Cluster
  - **Cluster name:** BlueCluster
  - **VPC ID:** Automatically create new
  - **Subnets:** Automatically create new

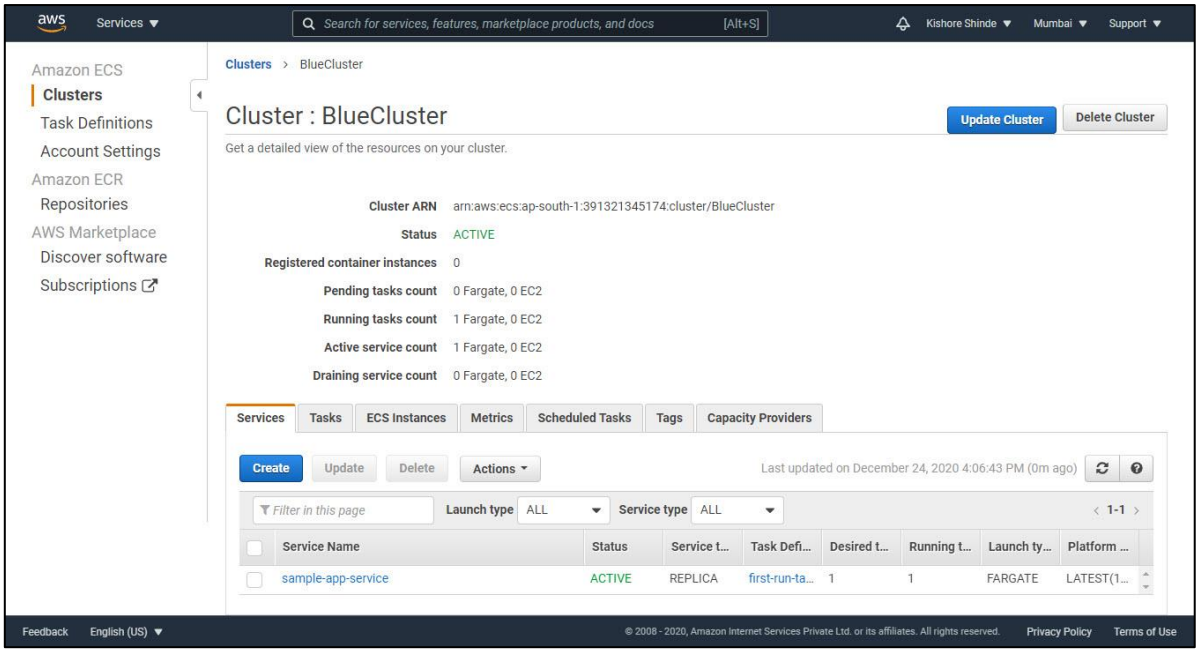
Step 5: Viewing the service

SS5: Dashboard displaying the cluster created



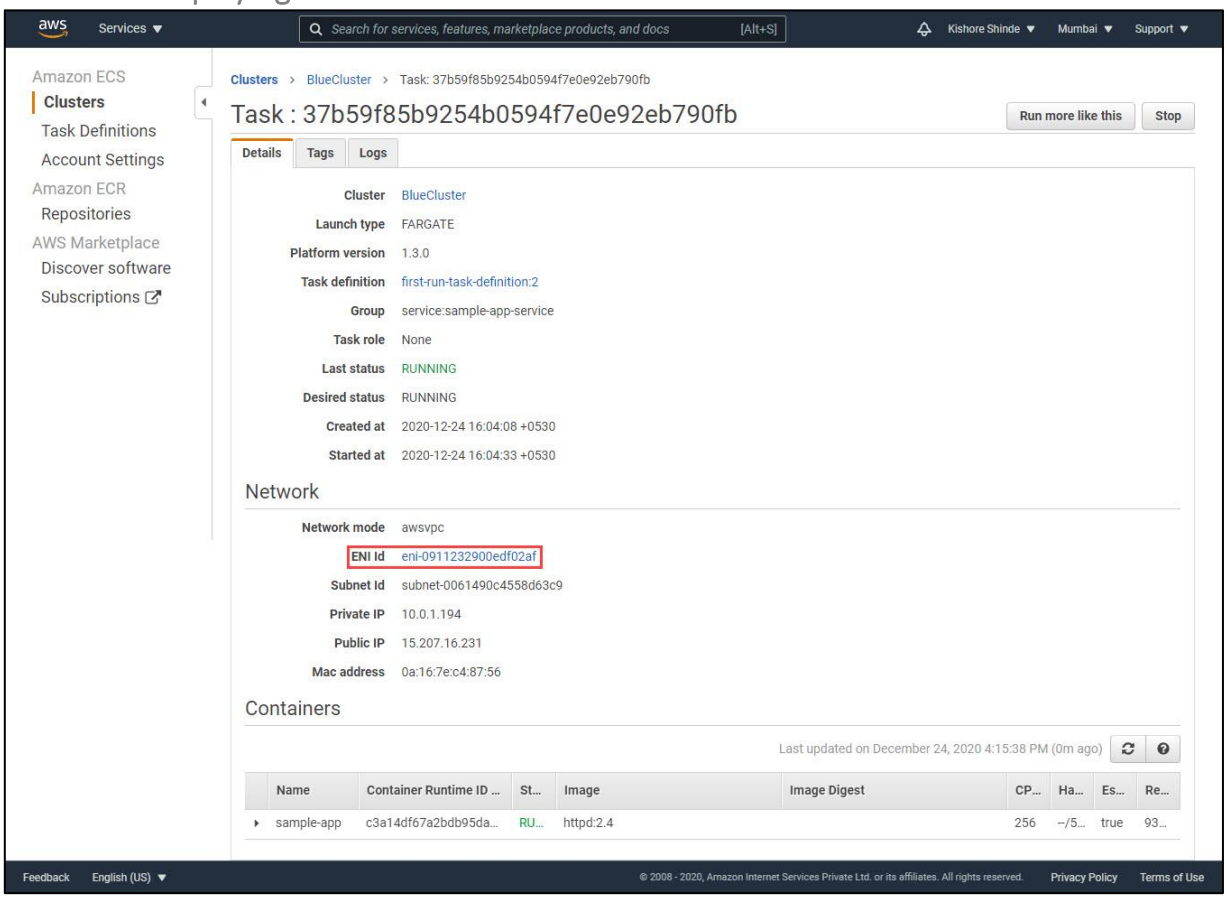
- **Cluster:** BlueCluster
  - FARGATE
    - **Services:** 1 / **Running Tasks:** 1

SS6: Cluster information



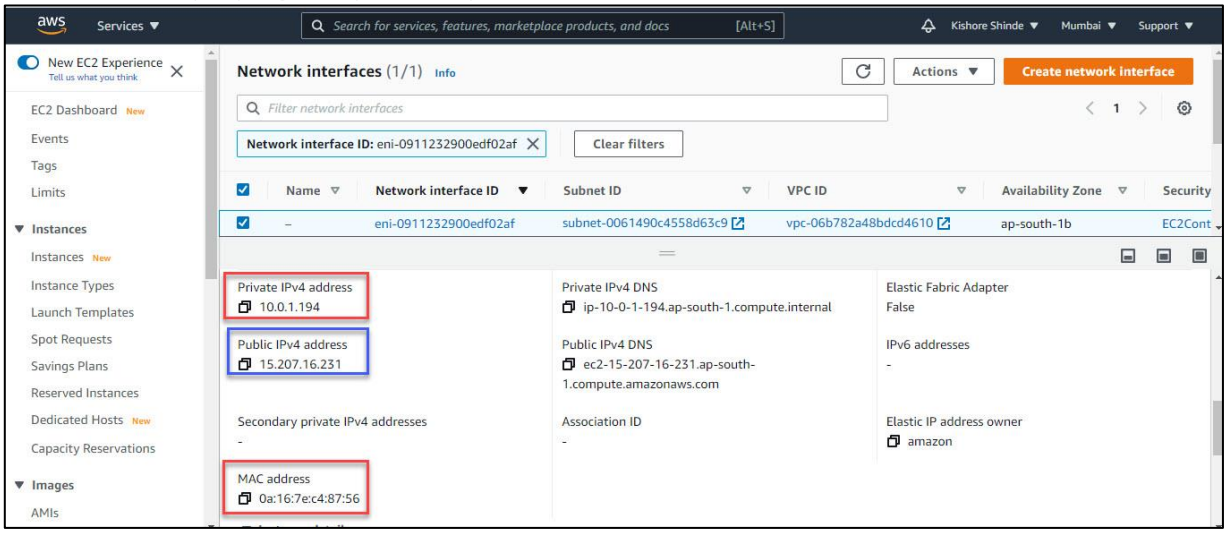
- **Cluster ARN:** arn:aws:ecs:ap-south-1:391321345174:cluster/BlueCluster
- **Status:** Active
- **Running task: 1** (first-run-task-definition)
- **Running service: 1** (sample-app-service)

SS7: Panel displaying ENI ID



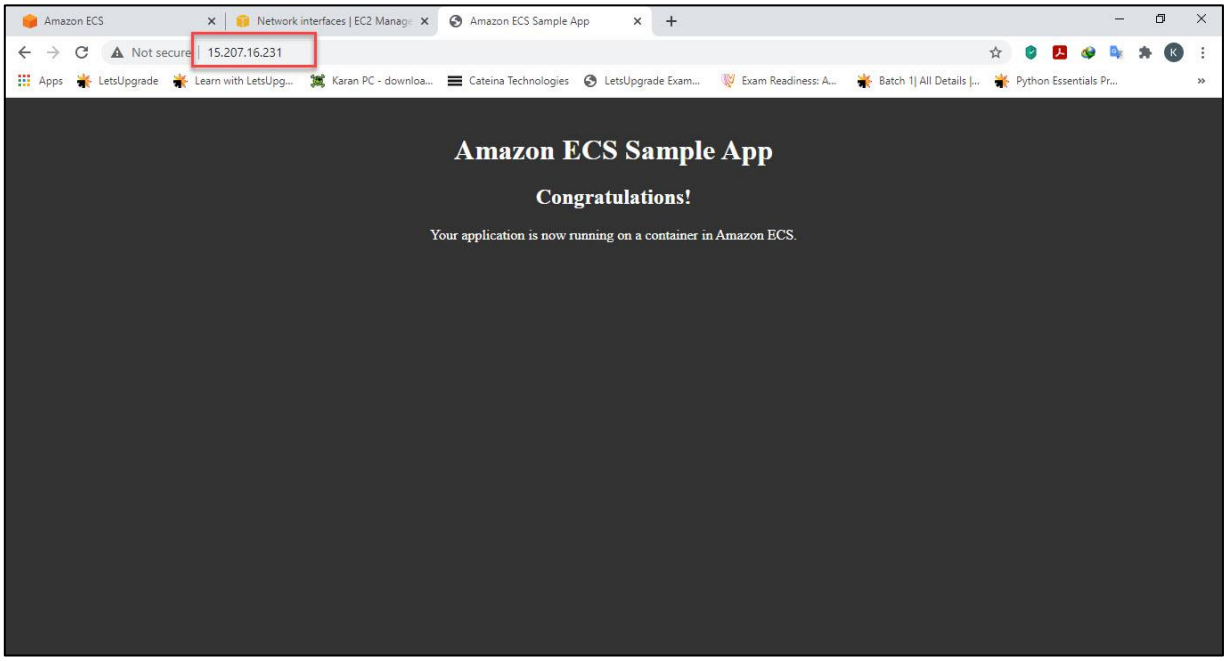
- ENI Id: eni-0911232900edf02af

SS8: Panel displaying the private, public, and the macid



Sr. No.	Private Ipv4 address	Public IPv4 address	Mac address
1	10.0.1.194	15.207.16.231	0a:16:7e:c4:87:56

SS9: Display application



- Public IPv4 address: 15.207.16.231

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