



School of Computer Science Engineering and Application

BCA TY SEM -VI

Subject Name: Container and Orchestration

Assignment No : 5

**AIM: Implementing AWS ECS (Elastic Container Service) and Fargate
deploying and managing containerized applications.**

Submitted By

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Fargate

Step 1: Create a Cluster

The screenshot shows the AWS Management Console for the 'ap-south-1' region. The left sidebar displays the 'Amazon Elastic Container Service' menu with options like Clusters, Namespaces, Task definitions, and Account settings. The main content area shows the 'jayesh' cluster overview. A green notification bar at the top states: 'Cluster jayesh has been created successfully.' Below this, a blue notification bar says: 'Task definition successfully created tsk-j-ecs:1 has been successfully created. You can use this task definition to deploy a service or run a task.' A blue notification bar at the bottom indicates: 'j-service deployment is in progress. It takes a few minutes.' The cluster overview table shows the following details:

Cluster overview			
ARN	Status	CloudWatch monitoring	Registered container instances
arn:aws:ecs:ap-south-1:638340973280:cluster/jayesh	Active	Default	1
Services		Tasks	
Draining	Active	Pending	Running
-	-	-	-

The bottom of the console shows the 'Services (0)' tab and a footer with copyright information for Amazon Web Services, Inc. or its affiliates.

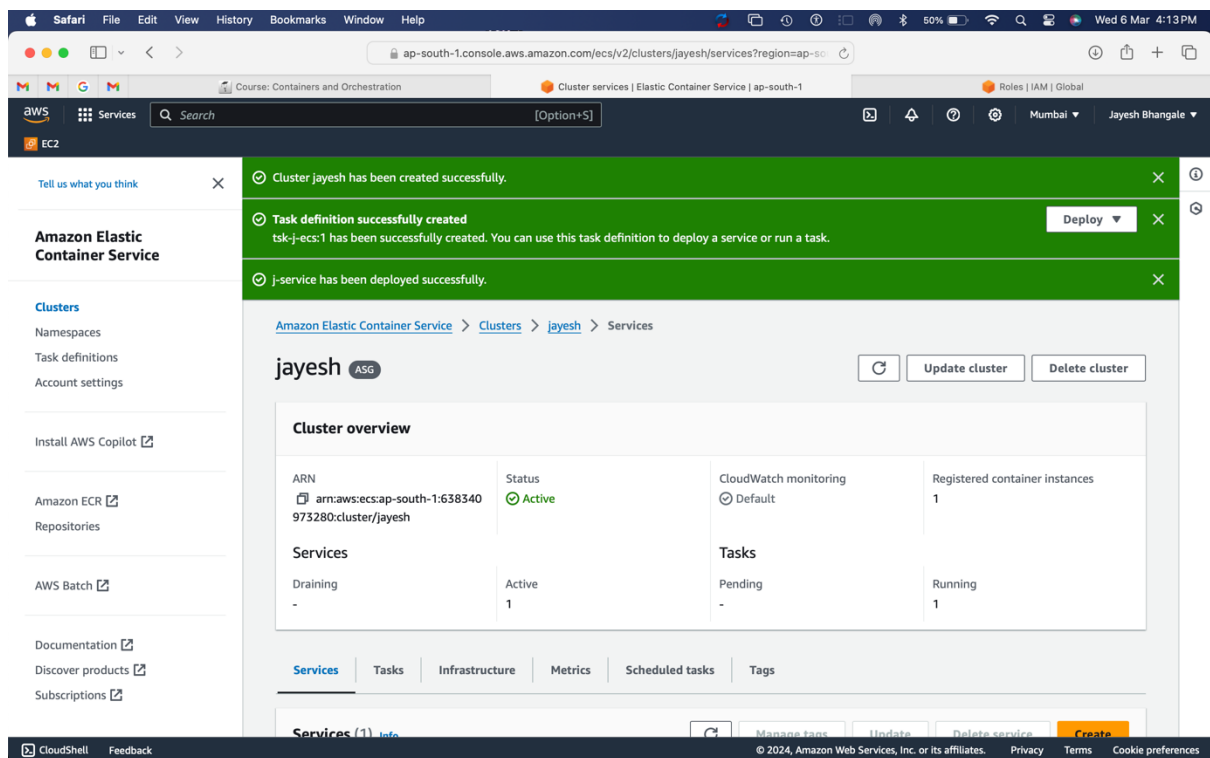
Step 2: Create a Task Definition

The screenshot shows the AWS Management Console for the 'ap-south-1' region, specifically the 'Clusters' page. The left sidebar is the same as in the previous screenshot. The main content area shows the 'Clusters (1) Info' section. A green notification bar at the top states: 'Cluster jayesh has been created successfully.' Below this, a blue notification bar says: 'Task definition successfully created tsk-j-ecs:1 has been successfully created. You can use this task definition to deploy a service or run a task.' A blue notification bar at the bottom indicates: 'j-service deployment is in progress. It takes a few minutes.' The 'Create cluster' button is visible in the top right corner. The cluster overview table shows the following details:

Clusters (1) Info				
Cluster	Services	Tasks	Container instances	CloudWatch monitoring
jayesh	0	No tasks running	0 EC2	Default

The bottom of the console shows the 'Services (0)' tab and a footer with copyright information for Amazon Web Services, Inc. or its affiliates.

Step 3: Deploy the service



Step 4 : open the cluster that u have created then go to task and copy the public ip and paste in browser

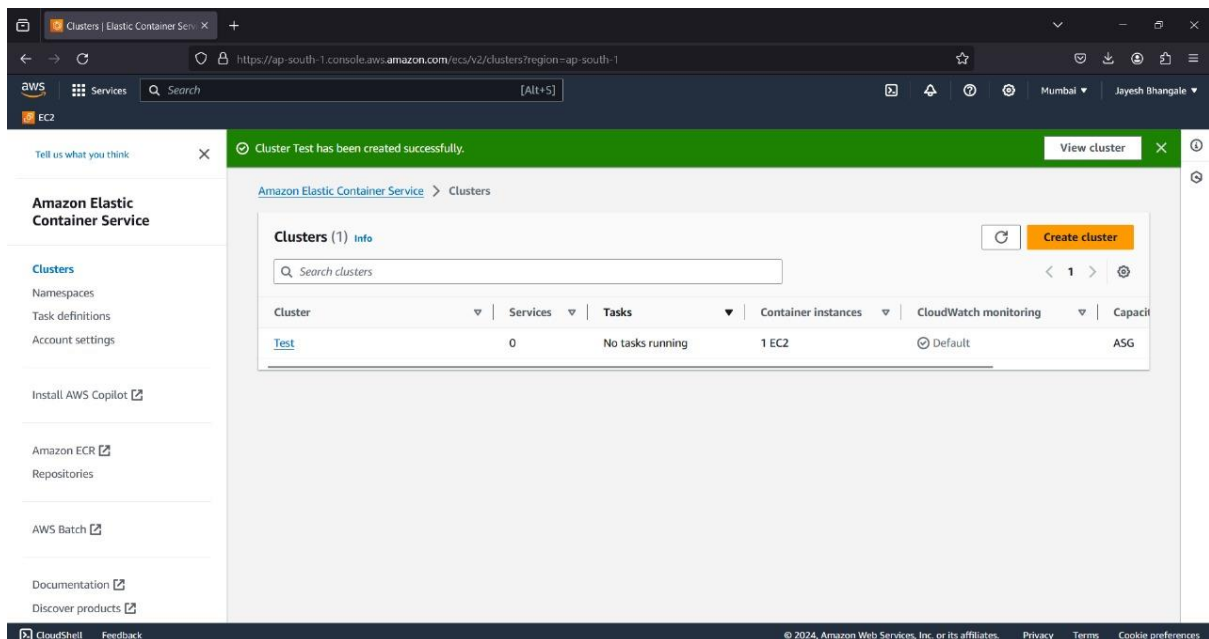
End of the practical

Sign

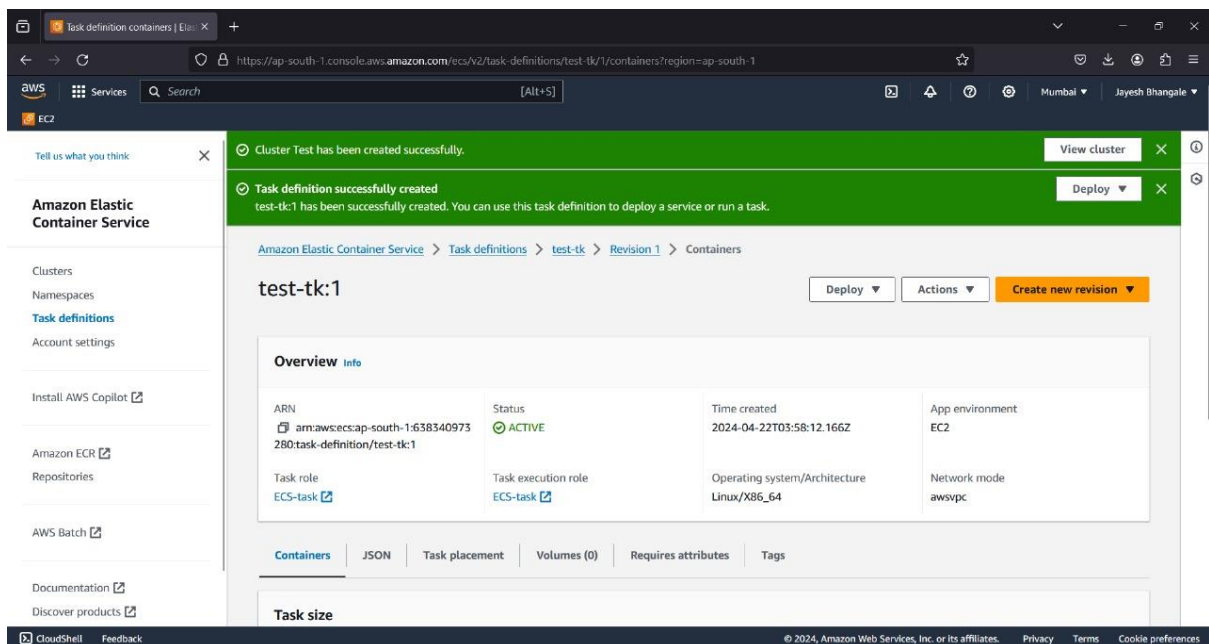
Subject In charge: Dr. Swapnil Waghmare

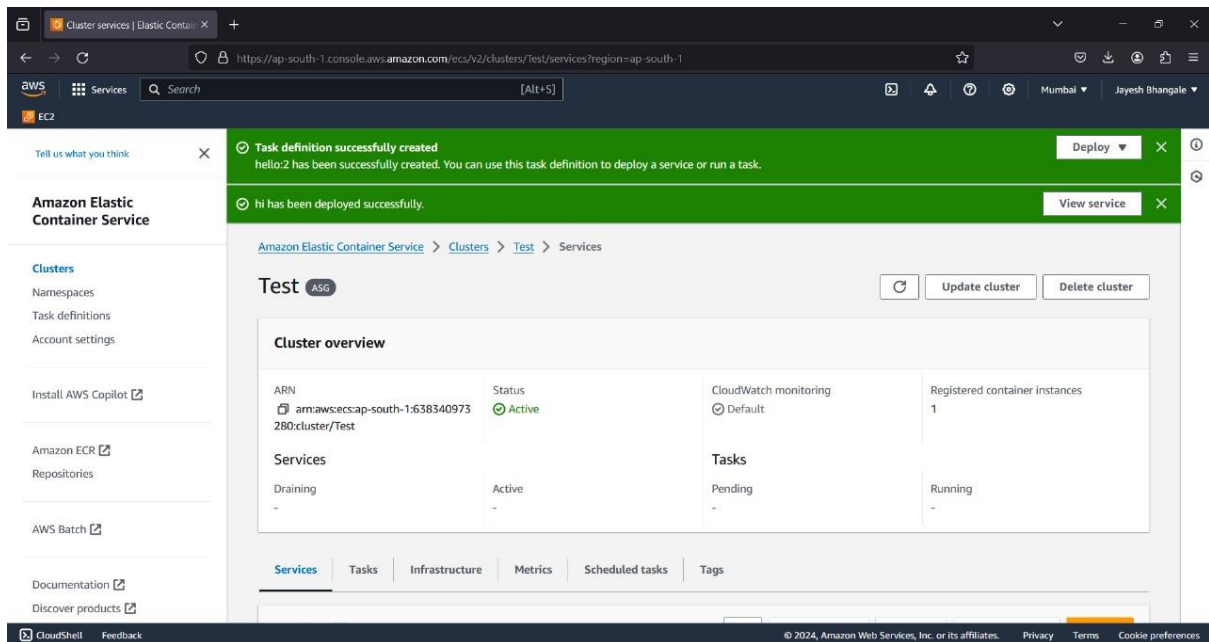
ECS

STEP -1 : Open ECS and click on create cluster



STEP-2 : Now go to Task Definition and deploy the task





STEP-3 : Go to cluster and select the cluster and click on infrastructure and click on instance ID and connect it with cmd.

```
ec2-user@ip-172-31-9-80:~
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Aniket> cd Downloads
PS C:\Users\Aniket\Downloads> ssh -i "one.pem" ec2-user@ec2-65-2-78-55.ap-south-1.compute.amazonaws.com
The authenticity of host 'ec2-65-2-78-55.ap-south-1.compute.amazonaws.com (65.2.78.55)' can't be established.
ED25519 key fingerprint is SHA256:WuTXfV4VwEv3fLrJEKbEQA7Eq+T2C+aM6Ak1uf4hP+Y.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-65-2-78-55.ap-south-1.compute.amazonaws.com' (ED25519) to the list of known hosts.

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                        Amazon Linux 2 (ECS Optimized)

For documentation, visit http://aws.amazon.com/documentation/ecs
3 package(s) needed for security, out of 5 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-9-80 ~]$
```

Sign
Dr. Swapnil Waghmare

