Lesson 10 Demo 03

Creating an ECS Cluster with Auto Scaling

Objective: To demonstrate how to create an ECS cluster with auto scaling and Container Insights, and how to run a task definition for an Nginx container on the cluster

Tools required: AWS Management Console

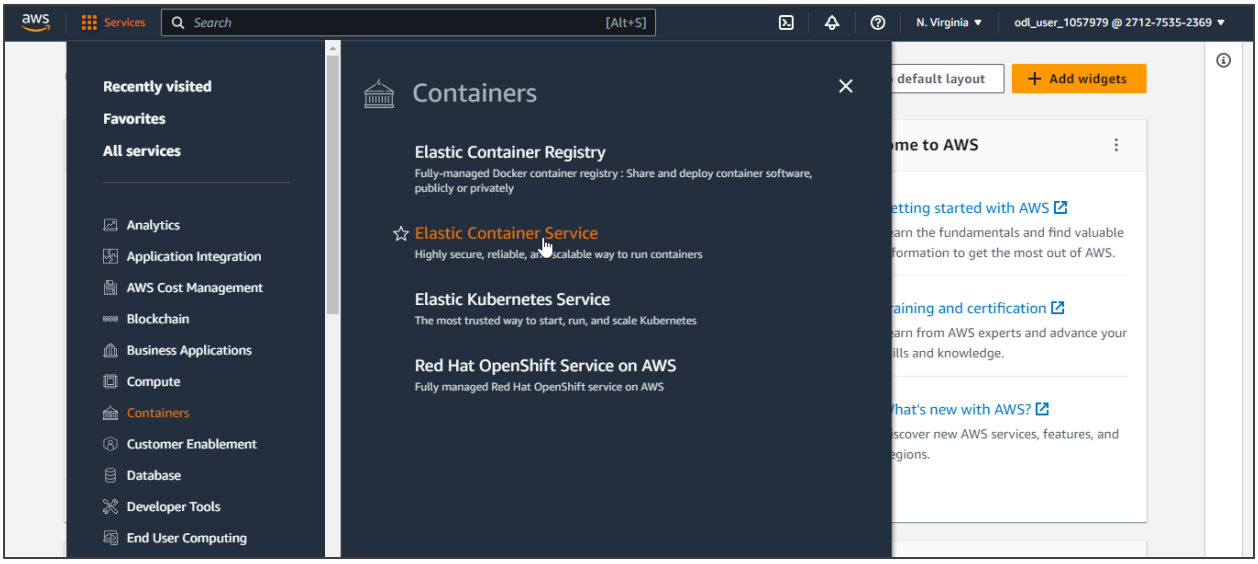
Prerequisites: A key pair for an EC2 instance must be created.

Steps to be followed:

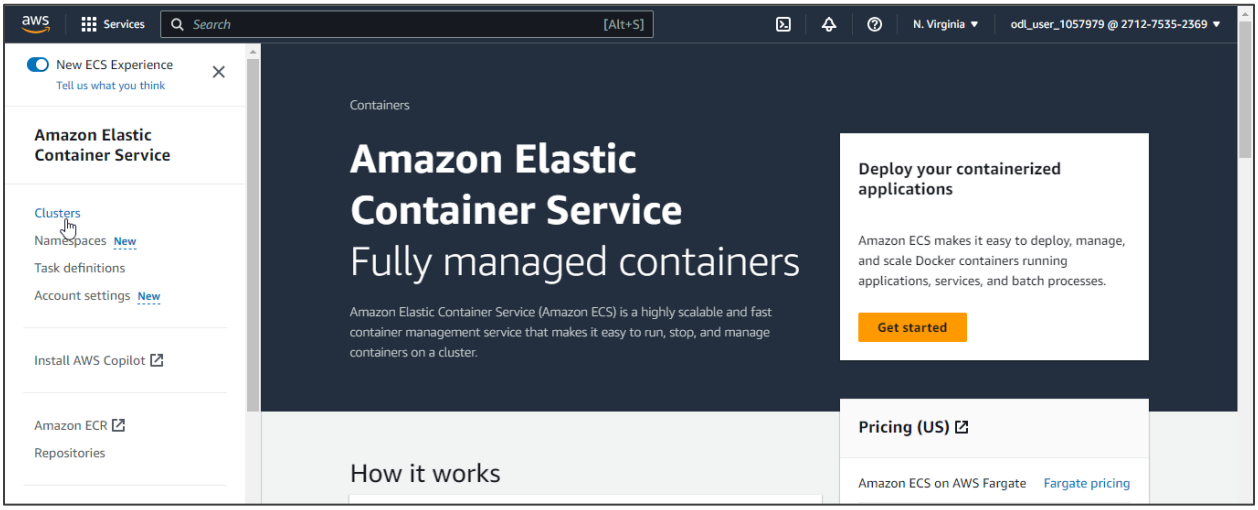
1. Create an ECS cluster
2. Create a task definition
3. Run the task definition on the cluster

Step 1: Create an ECS cluster

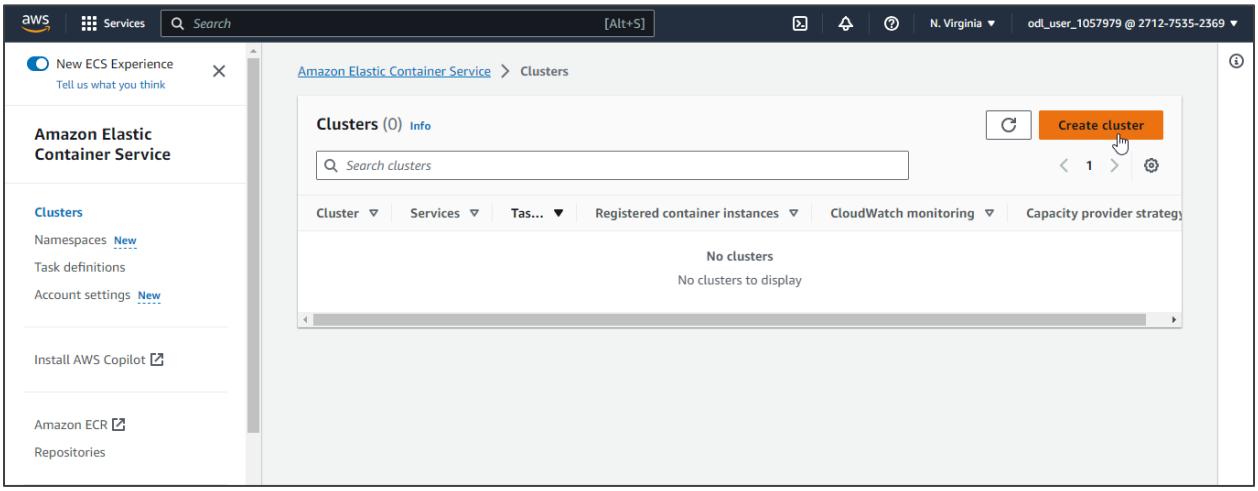
1.1 In the AWS Console, select **Services** and then choose **ECS** under **Containers**



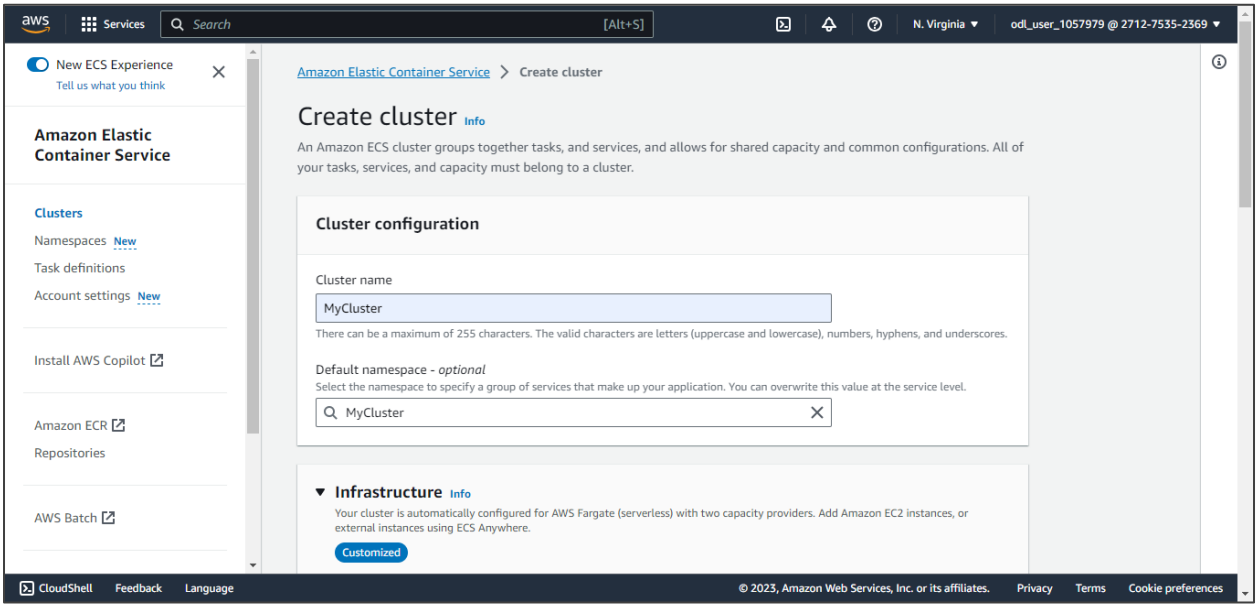
1.2 In the navigation pane, choose **Clusters**

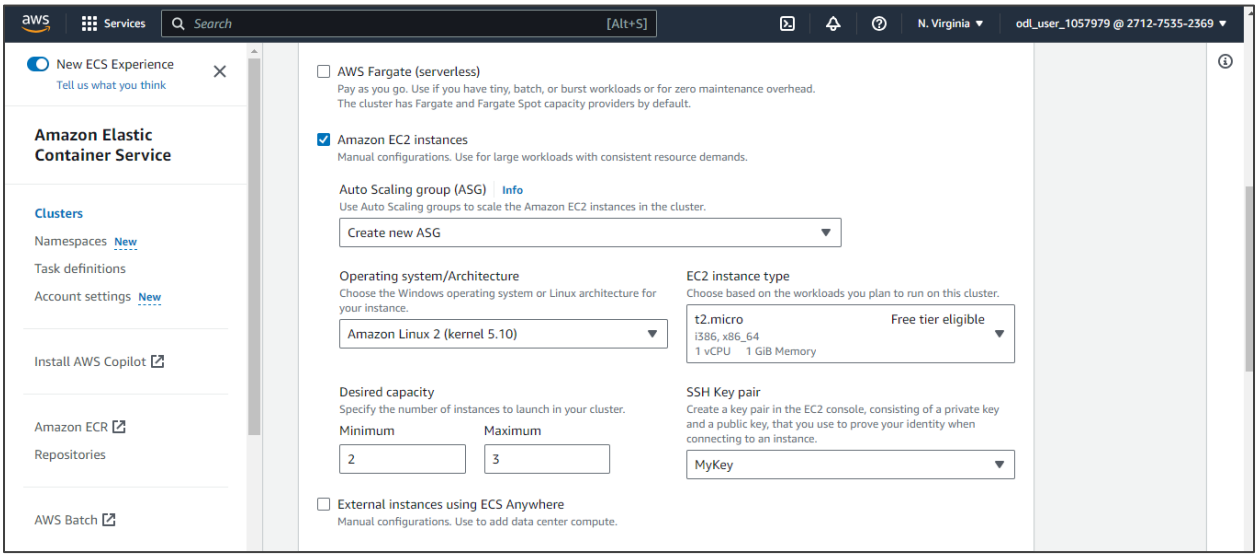


1.3 Choose **Create cluster**

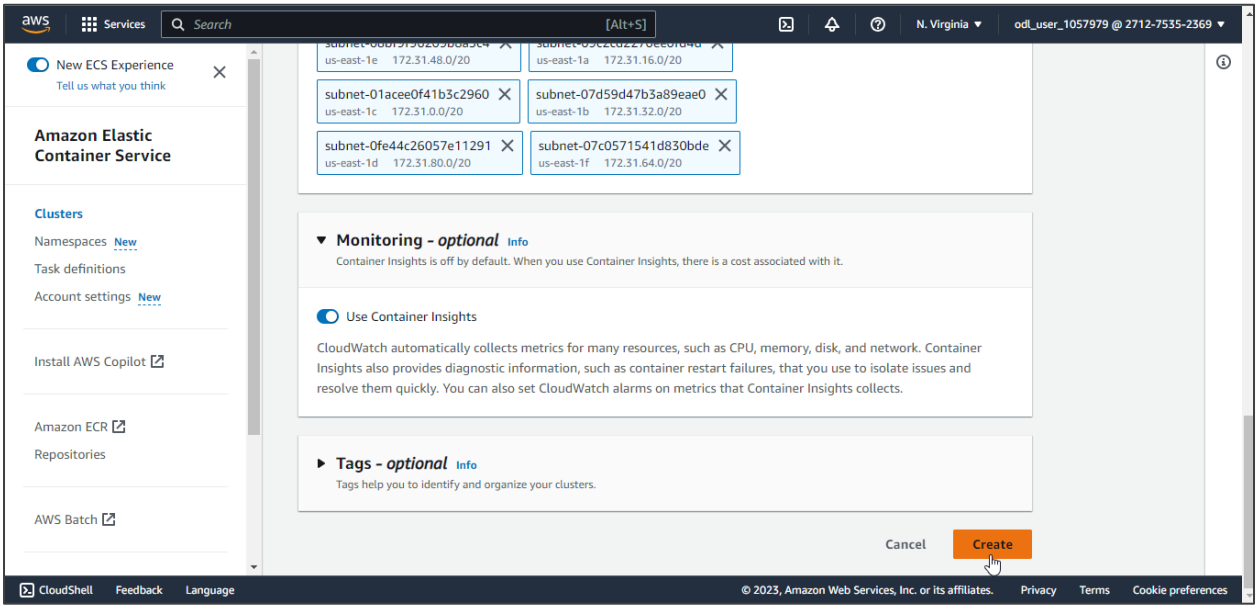


1.4 Create an ECS cluster with the settings shown in the screenshots:

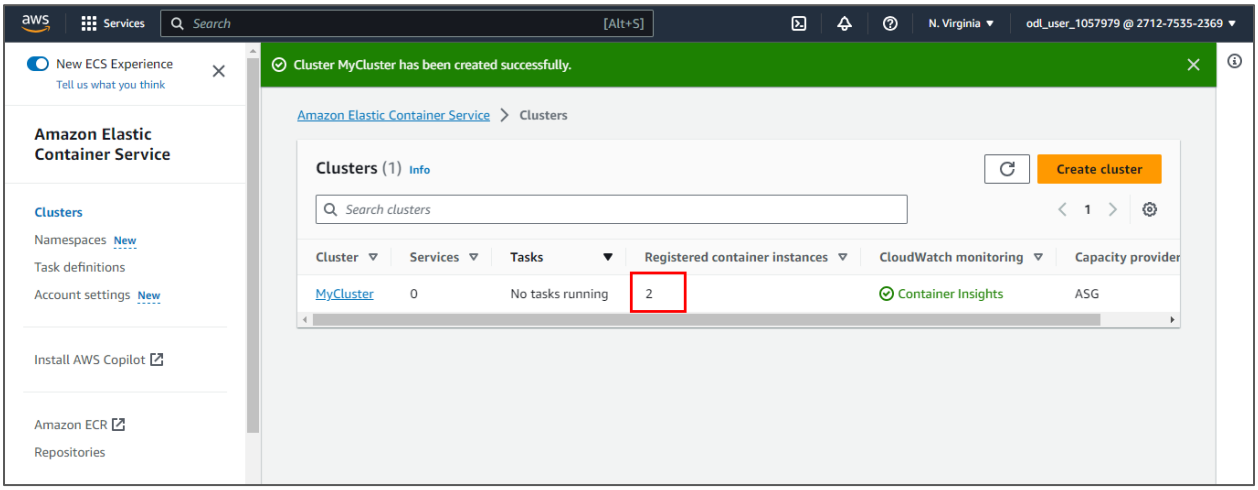




1.5 Click **Create**

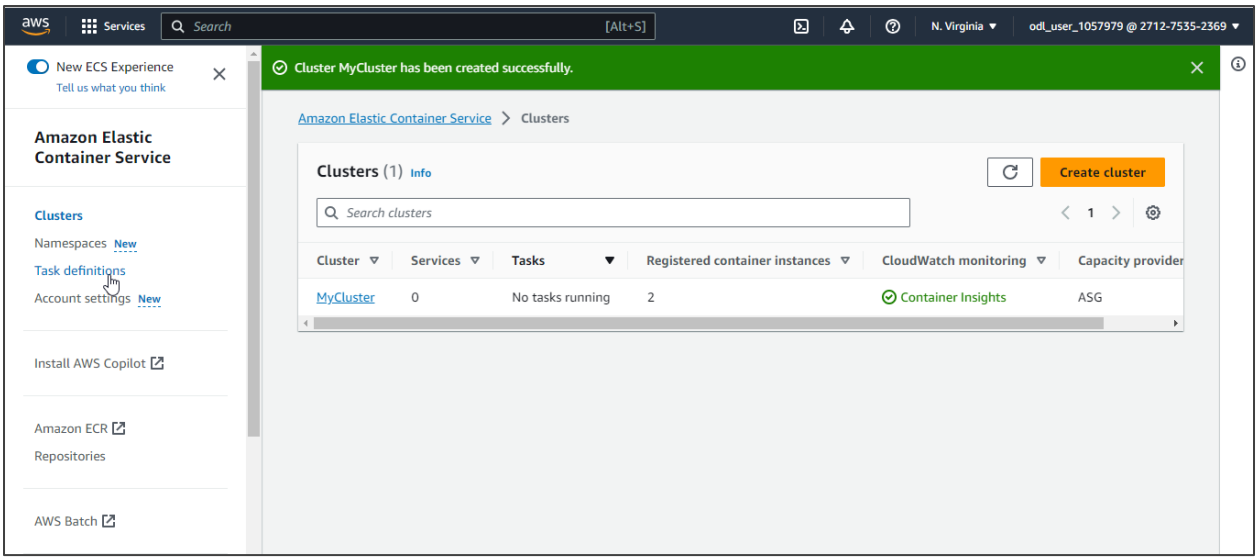


Note: Please wait for a few minutes until the EC2 instances are registered on the cluster.

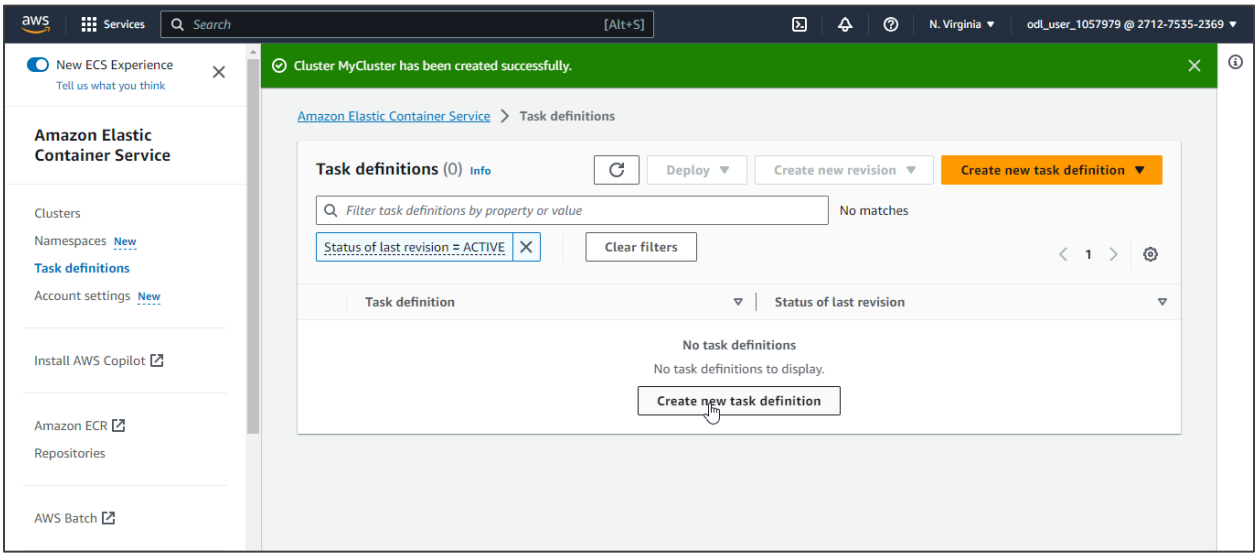


Step 2: Create a task definition

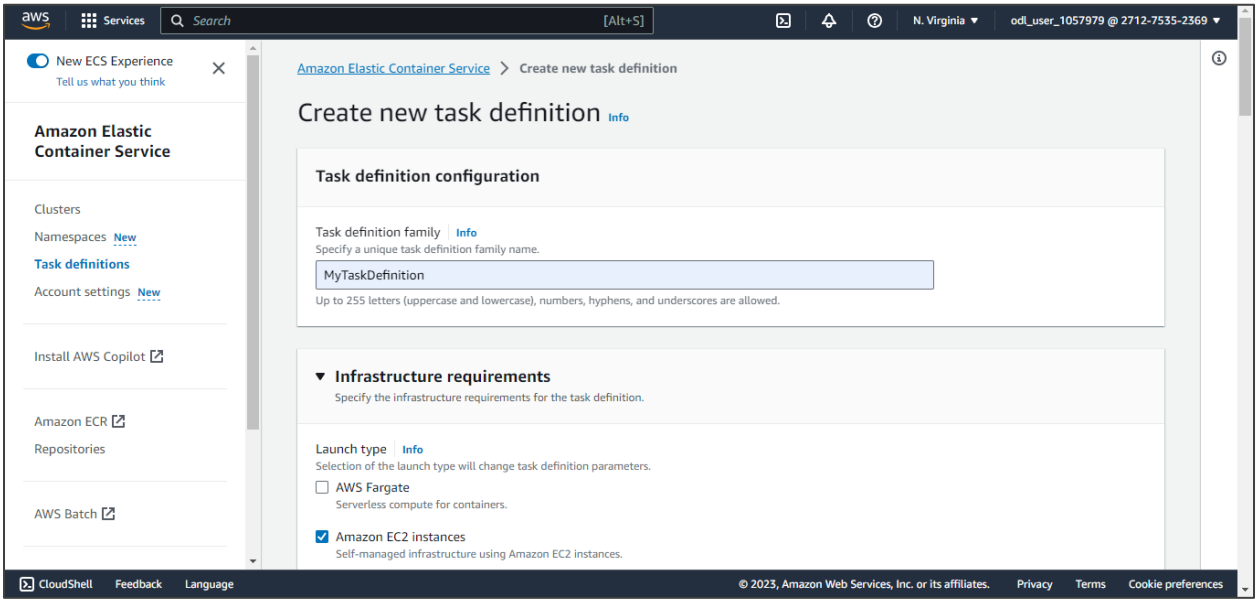
2.1 In the navigation pane, choose **Task definitions**

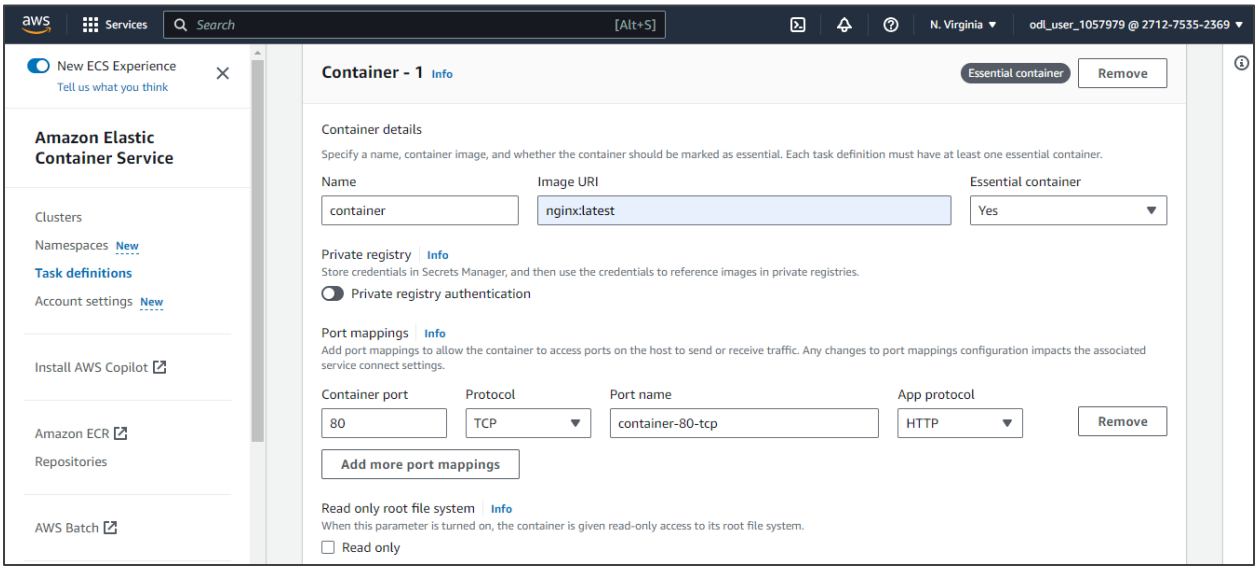


2.2 Select **Create new task definition**

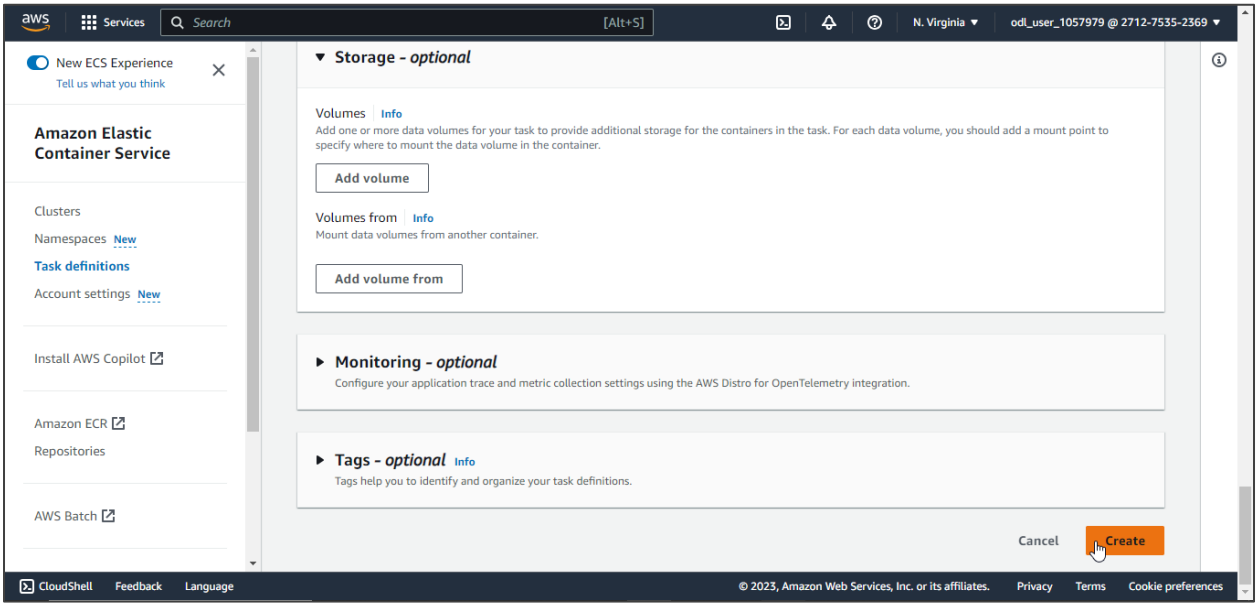


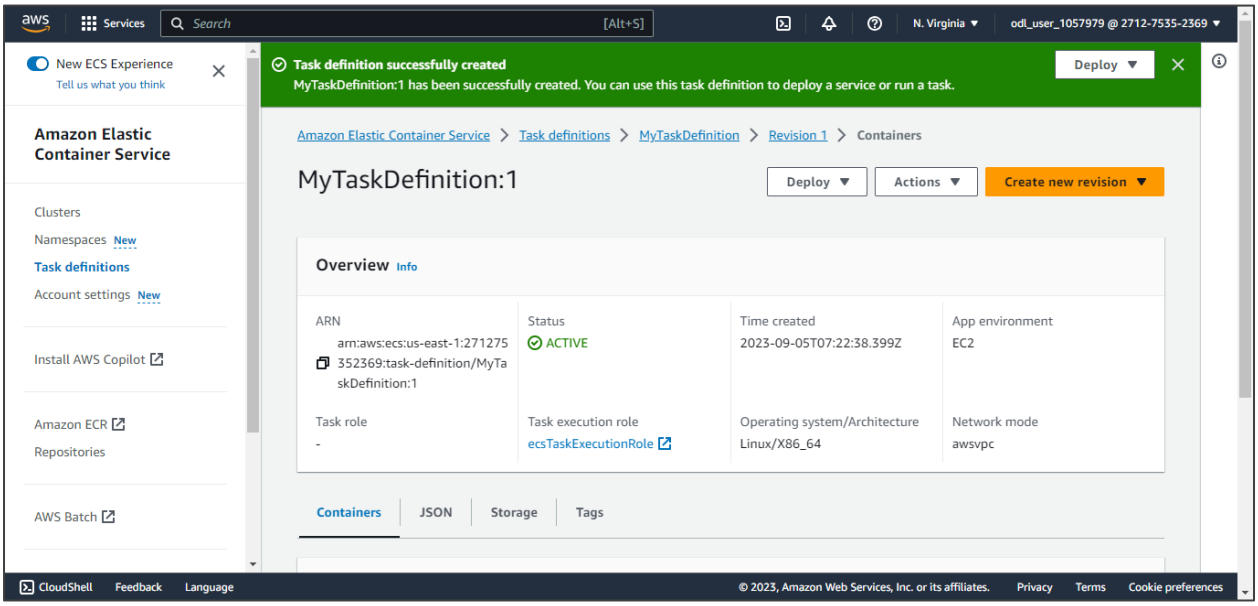
2.3 Create the task definition with the settings shown in the screenshots:





2.4 Click **Create**

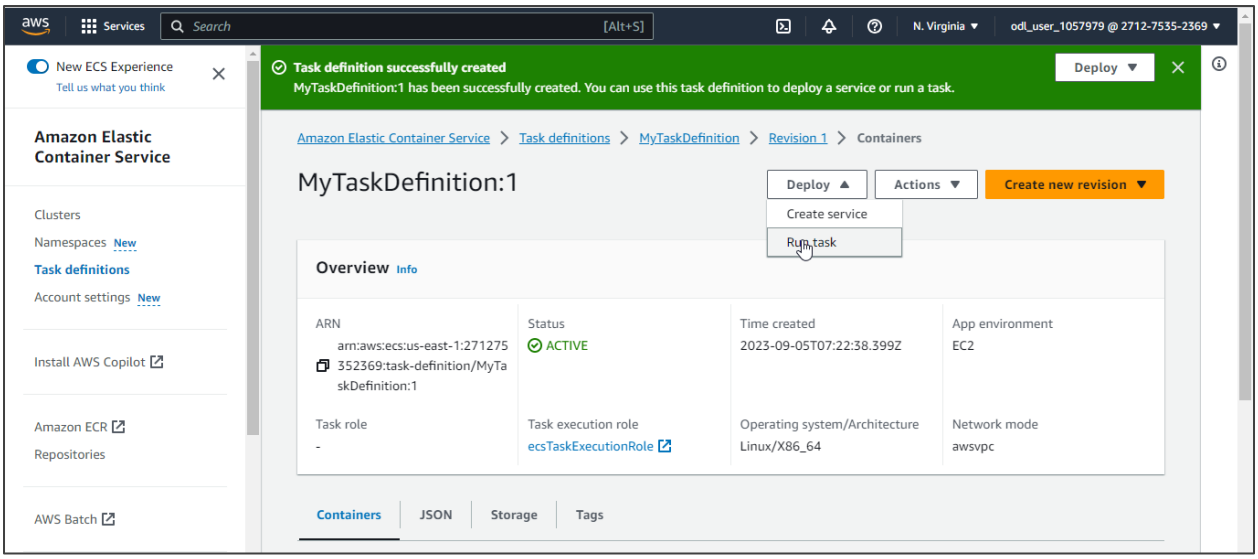




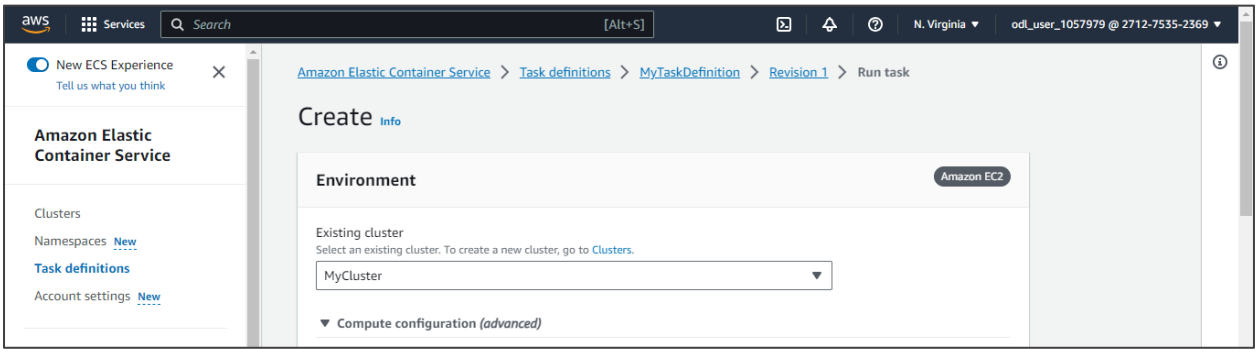
The task definition is created successfully.

Step 3: Run the task definition on the cluster

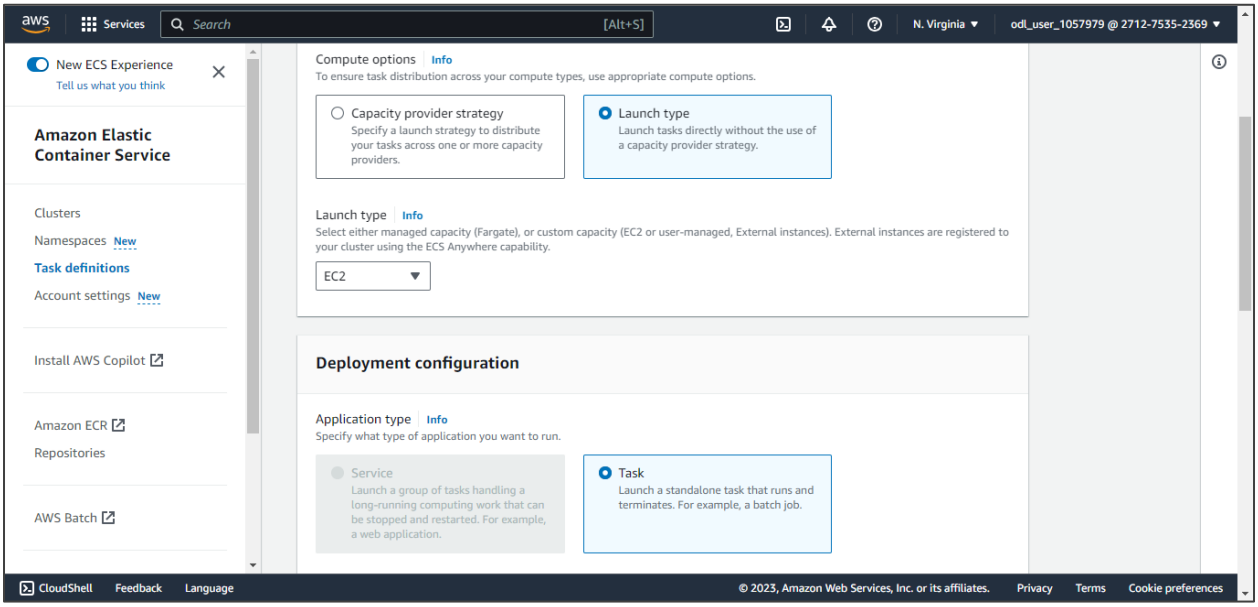
3.1 To run the task definition, select **Deploy** and click **Run task**

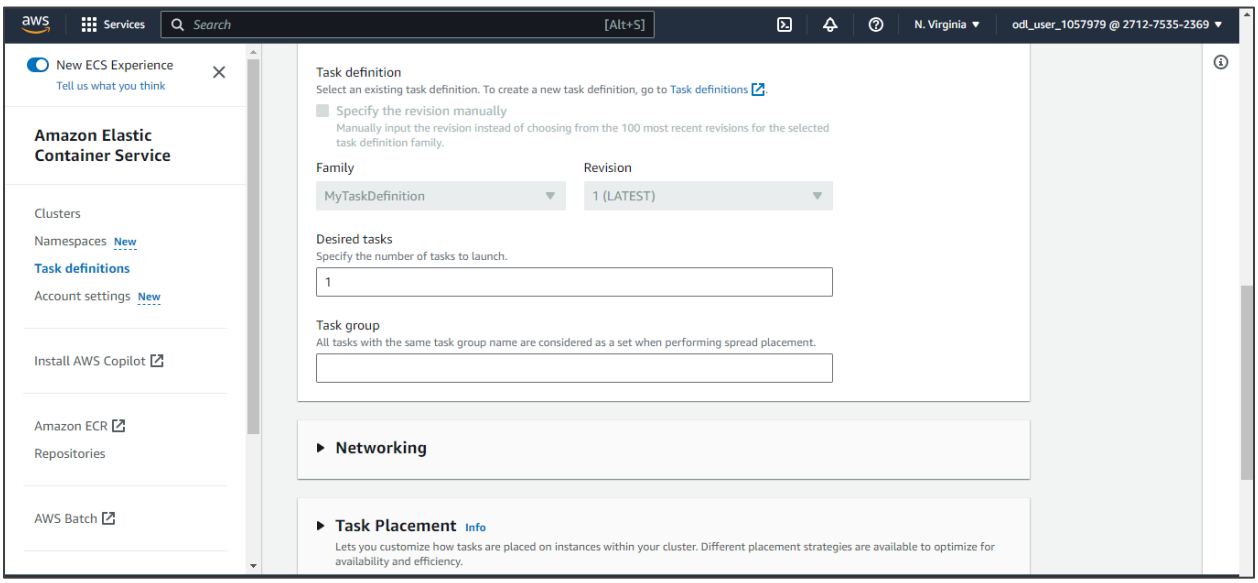


3.2 Choose the cluster that you created in the previous step

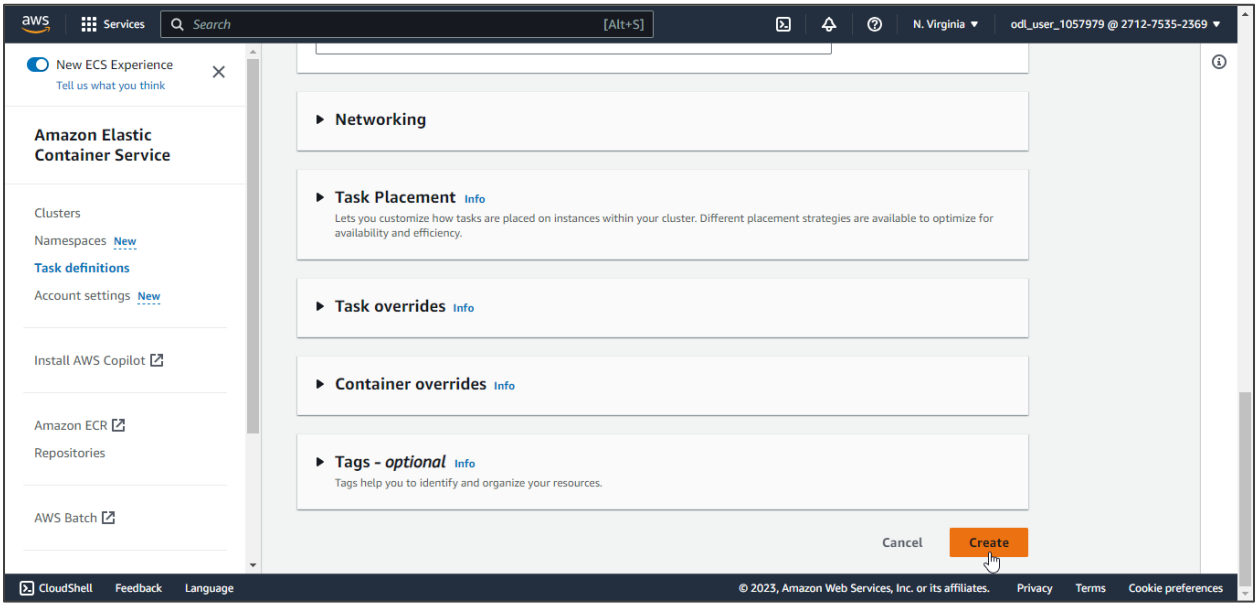


3.3 Configure the other settings as shown in the screenshots:

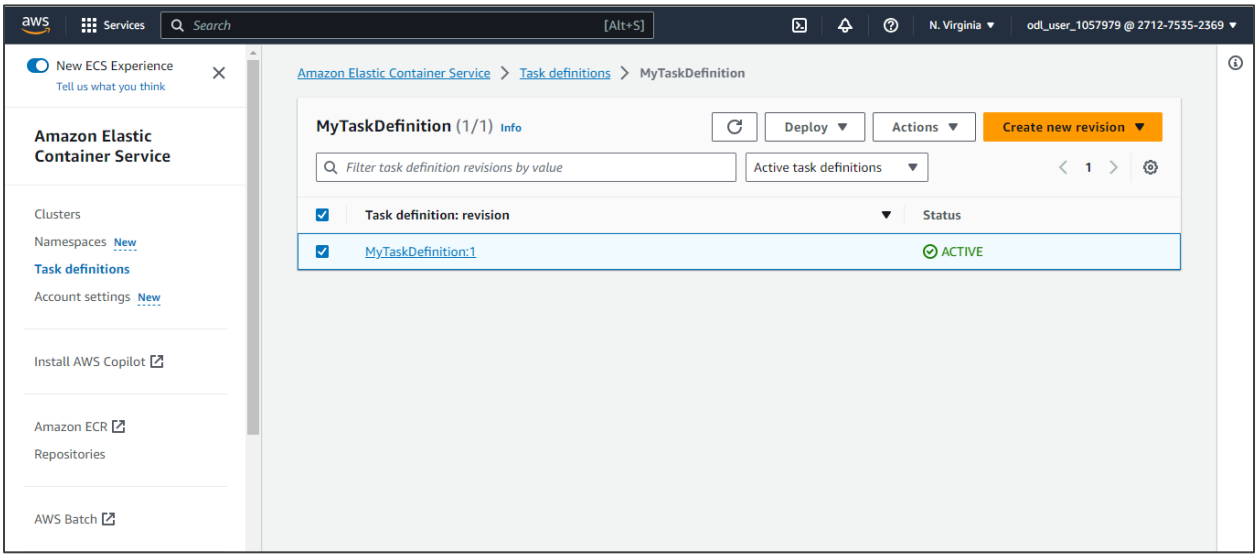


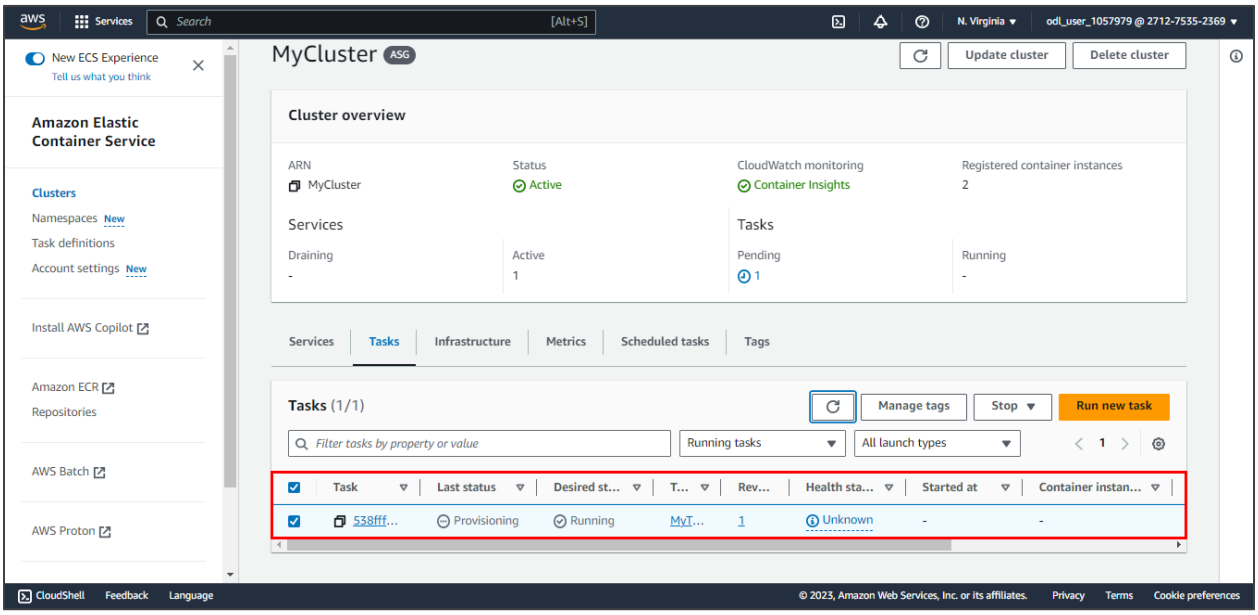


3.4 Choose **Create**



The task definition is successfully executed.





As you can see in the screenshot above, a task has been added to **MyCluster** and triggered successfully.

By following these steps, you have successfully created an ECS cluster with auto scaling and enabled Container Insights. You have also created a task definition for a Nginx container and run it on the cluster.