Lesson-End Project

Monitoring Insights for ECS Cluster Using CloudWatch

Project agenda: To monitor an Amazon Elastic Container Service (ECS) cluster using CloudWatch Container Insights for performance metrics and log

Description: Your company is going to deploy a container application using ECS clusters. As a cloud architect, you should be able to monitor the cluster's health by measuring various metrics such as CPU utilization, memory utilization, task count, and so on.

Tools required: AWS account

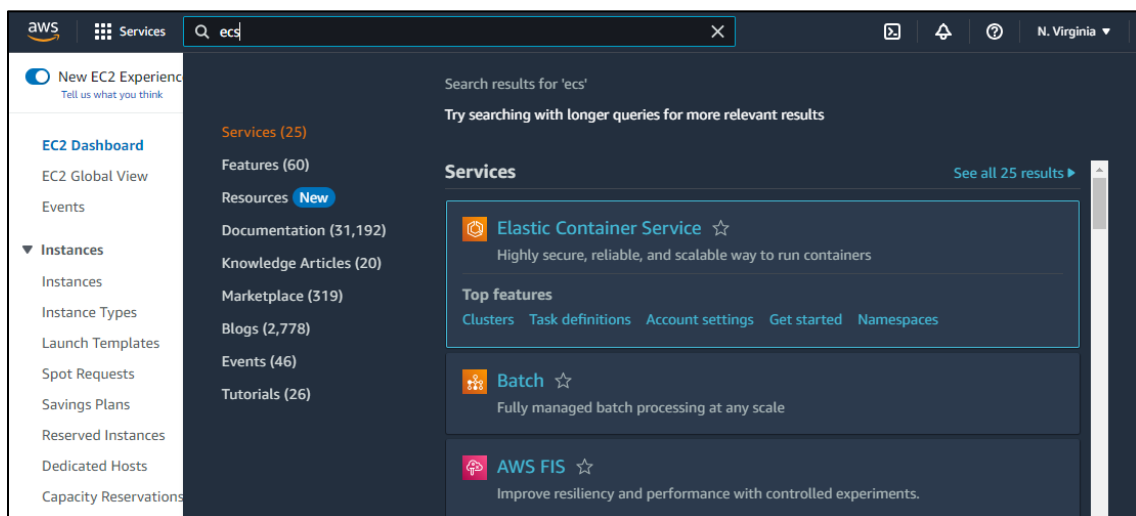**Prerequisites:** A running ECS cluster (Refer to Lesson 10 Demo 03)

Expected deliverables: CloudWatch container insights monitoring dashboard
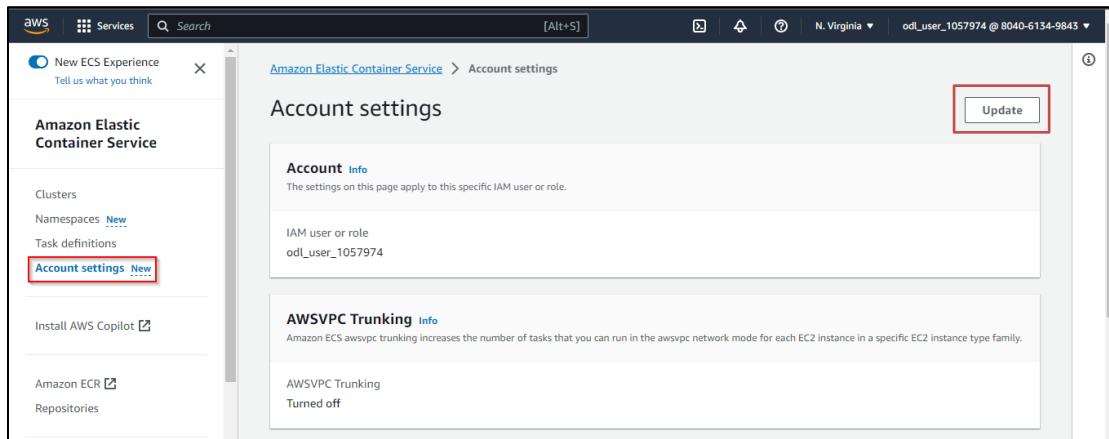

Steps to be followed:

1. Monitor the cluster using CloudWatch container

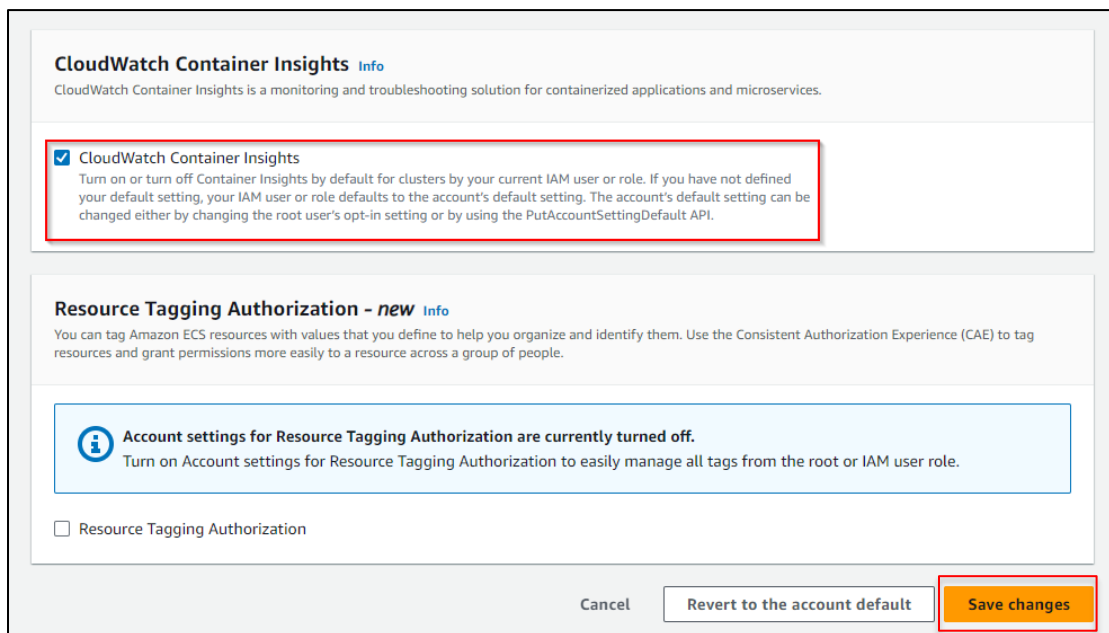## Step 1: Monitor the cluster using CloudWatch container

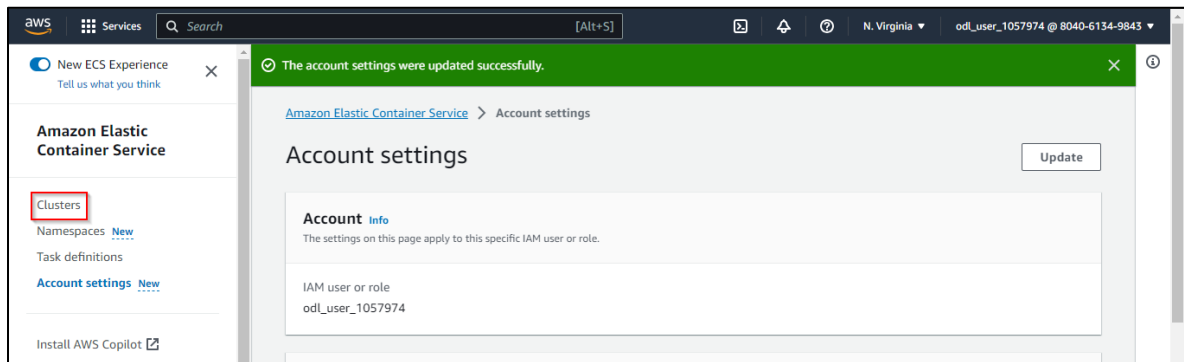1.1 In the AWS management console, search for and select **ECS**

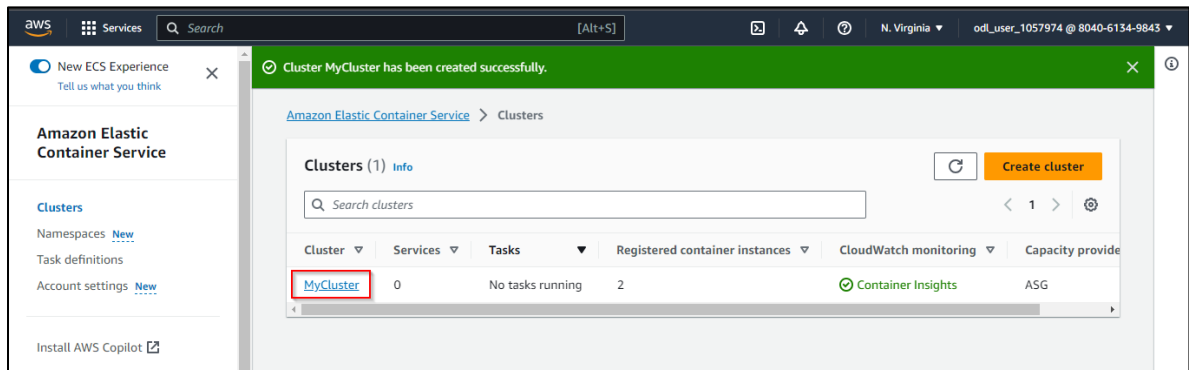1.2 Navigate to **Account Settings,** and click on **Update**

1.3 Check the box for **CloudWatch Container Insights**, and click on **Save changes**

1.4 Once your account settings have been successfully updated, click on **Clusters**
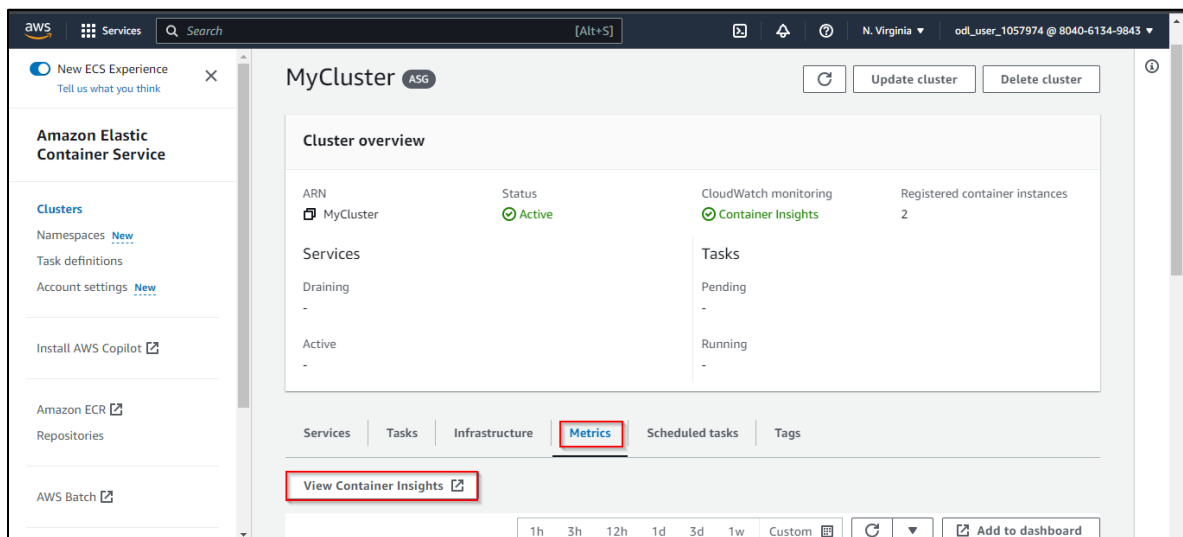

1.5 Locate and select your desired cluster, then click on its name **MyCluster**

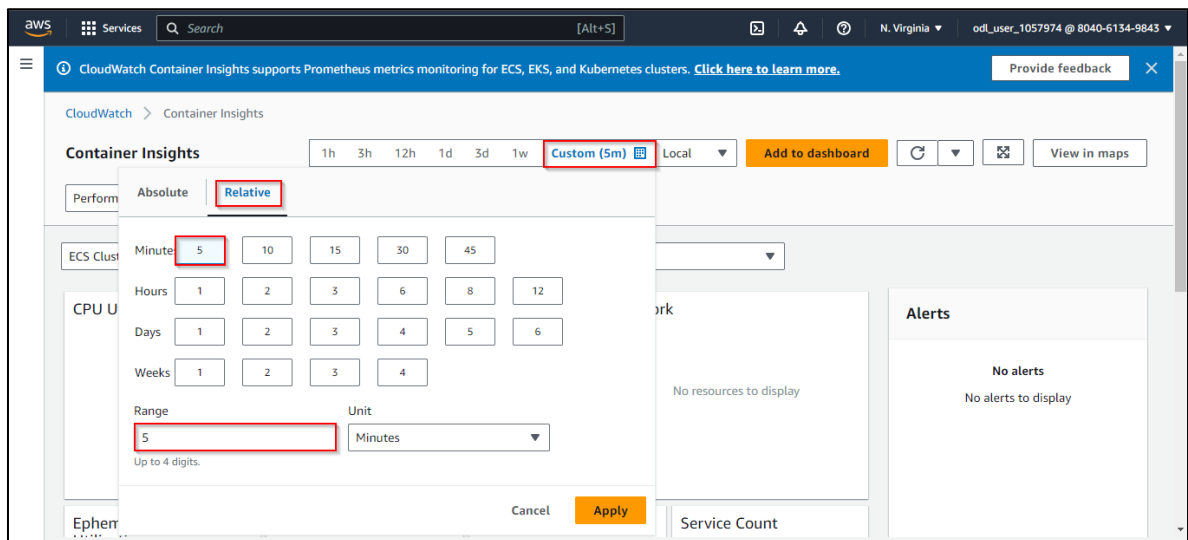**Note:** This cluster was set up in Lesson 10 Demo 03.

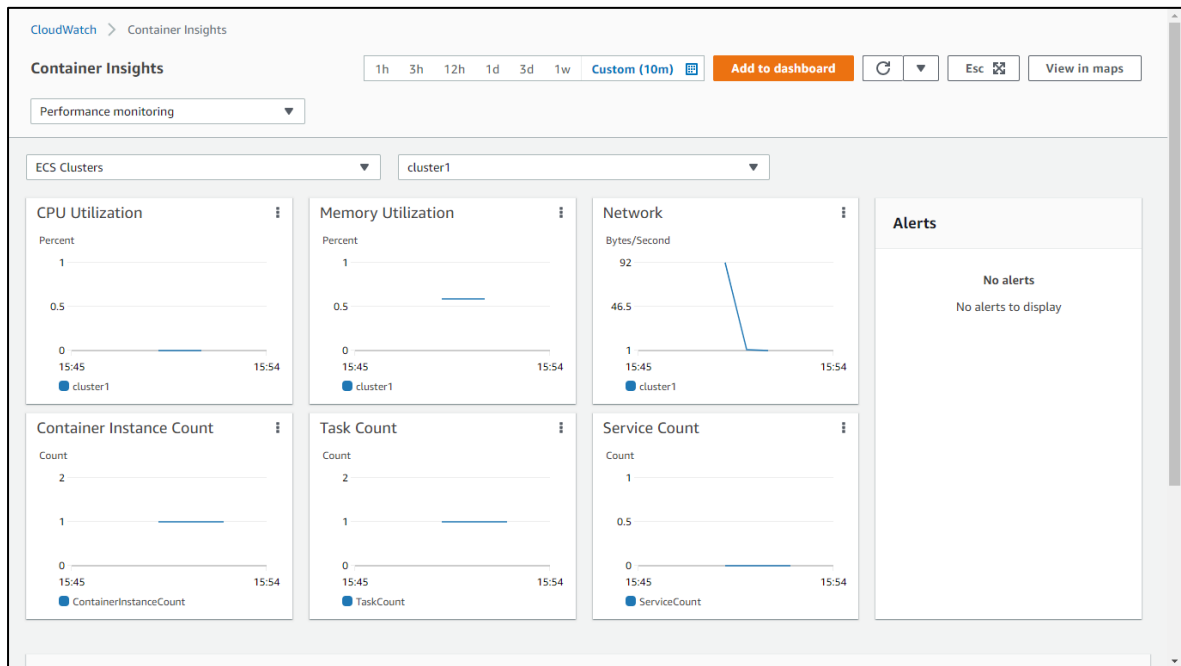1.6 Within the cluster details, select the **Metrics** tab and click on **View Container Insights**

1.7 Navigate to the **Custom (5m)** and follow these steps:

Choose the **Relative** tab

Select the time interval as **5** minutes and then click on **Apply**

After successfully configuring the cluster, the following dashboard will be generated, which is used to monitor the cluster's health.

Note: Users can choose the metrics for cluster monitoring depending on their use cases.

By following these steps, you have successfully monitored and managed your ECS cluster, ensuring optimal performance and reliability.