Lesson 10 Lesson-end Project

**Monitoring Insights for ECS Cluster Using CloudWatch**

**Project agenda:** To monitor and gain container insights of an Amazon ECS Cluster using

CloudWatch

**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 3)

**Expected deliverables:** CloudWatch container insights monitoring dashboard

Steps to be followed:

1. Monitor the Cluster using CloudWatch container insights

**Step 1: Monitor the Cluster using CloudWatch container insights**

* 1. **Graphical user interface, text, application

     Description automatically generated**In the AWS management console, search for **ECS** and then click on **Elastic Container Service**.

* 1. Click on **Account Settings** present in the left pane of the ECS dashboard.

A picture containing graphical user interface

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* 1. Click on **Container Insights** to enable it, then click on **Save** and click on **Clusters** present in the left pane of the ECS dashboard.

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**Note**: Here, the cluster which was set up in the Lesson 10 Demo 3 (cluster1) is selected.

1.5 Select the **Metrics** tab in the cluster1 dashboard and click on **View Container Insights.**

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* 1. Navigate to the **Custom** and do the following:
* Choose the **Relative** tab
* Select the time interval as 5 minutes and then click on **Apply**

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**Note**: The time which you have selected above as 5 minutes is monitoring data retrieval time interval.

After successful configuration of the cluster, the following dashboard will be generated

which is used to monitor the cluster’s health.

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You can also monitor the metrics of ECS tasks:

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