

Module 3:

CloudWatch Dashboard Assignment

Problem Statement:

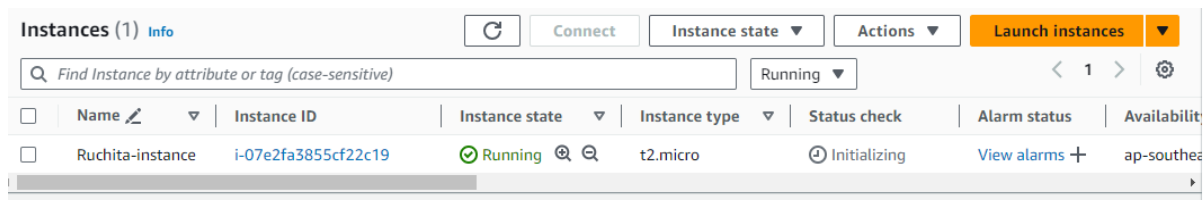
You work for XYZ Corporation. To maintain the security of the AWS account and the resources you have been asked to implement a solution that can help easily recognize and monitor the different users. Also, you will be monitoring the machines created by these users for any errors or misconfigurations.

Tasks to be Performed:

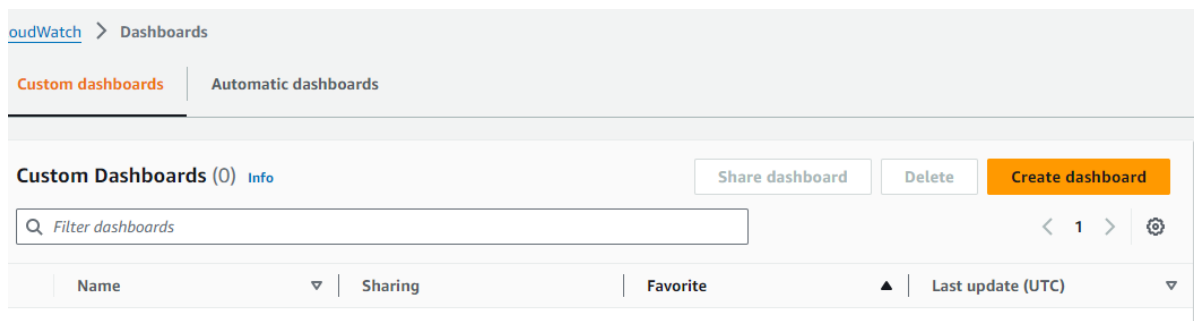
1. Create a dashboard which lets you check the CPU utilization and networking for a particular EC2 instance.

Solutions:

Create an EC2 instance



Go to Cloudwatch> Dashboard > Create dashboard



Give a name and create

Create new dashboard

×

Dashboard name

Ruchita-Dashboard

Valid characters in dashboard names include "0-9A-Za-z-_".

CancelCreate dashboard

Add widget, Choose Metrics, and select Widget type Line

Add widget

×

Data sources types - *new*

- ☒ Cloudwatch
- ☐ Other content types
- ☐ Create data sources

Widget Configuration

Data type

MetricsLogsAlarms

Widget type

☒ **Line**
Compare metrics over time

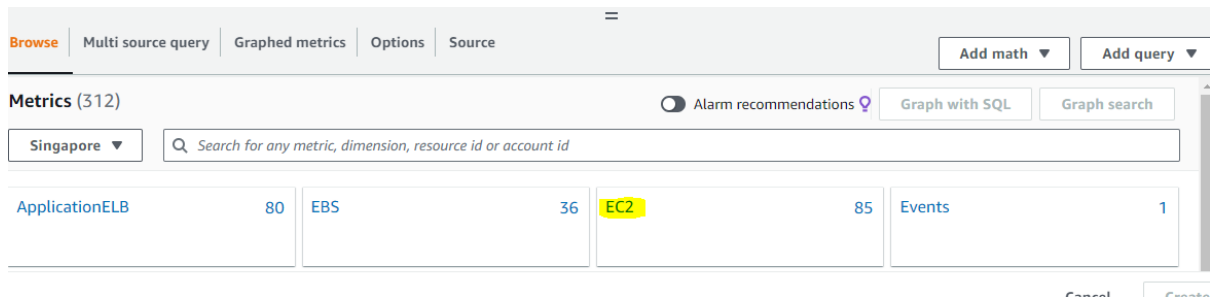
☐ **Data table**
Compare metrics values over time in a table

☐ **Number**
Instantly see the latest value for a metric

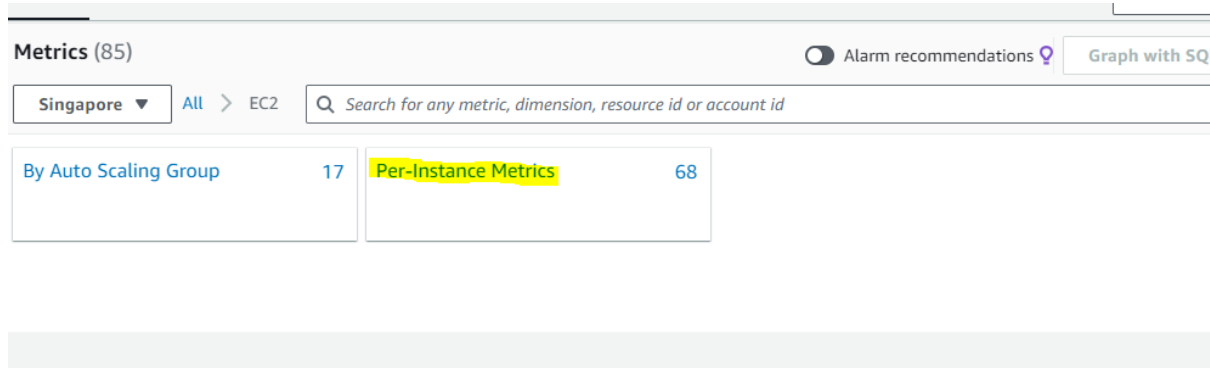
☐ **Gauge**
See the latest value of a metric within a range

CancelNext

Select EC 2 instance



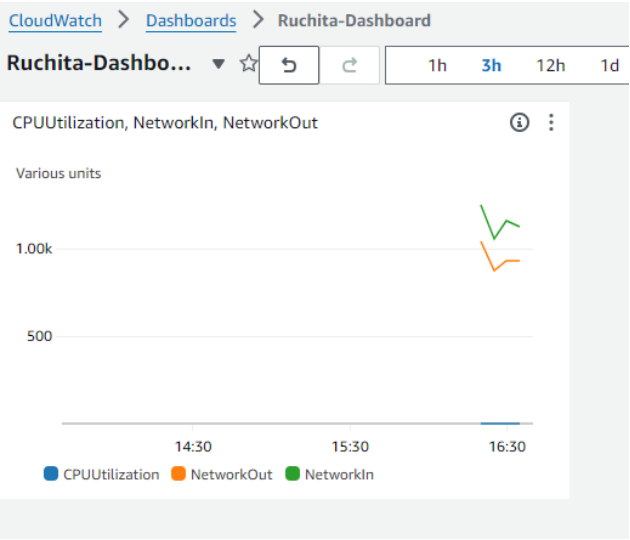
Click Per-Instance Metrics



Click on the Created instance and select CPUUtilization, NetworkOut, and NetworkIn, then click on Create widget

Browse	Multi source query	Graphed metrics (3)	Options	Source	Add math ▼	Add
<input type="checkbox"/>	Dev1-Ruchii	i-089d0eb614f336780	NetworkIn	No alarms		
<input type="checkbox"/>	Dev1-Ruchii	i-089d0eb614f336780	CPUUtilization	No alarms		
<input checked="" type="checkbox"/>	Ruchita-instance	i-07e2fa3855cf22c19	CPUUtilization	No alarms		
<input checked="" type="checkbox"/>	Ruchita-instance	i-07e2fa3855cf22c19	NetworkOut	No alarms		
<input checked="" type="checkbox"/>	Ruchita-instance	i-07e2fa3855cf22c19	NetworkIn	No alarms		
<input type="checkbox"/>	Ruchita-instance	i-07e2fa3855cf22c19	NetworkPacketsIn	No alarms		
<input type="checkbox"/>	Ruchita-instance	i-07e2fa3855cf22c19	DiskReadOps	No alarms		

Cloudwatch Dashboard created successfully and its now monitoring CPU Utilization & networking for our EC2 instance



Custom Dashboards (1) [Info](#)

Share dashboard

Delete

Create dashboard

Q Filter dashboards

< 1 > ⚙

Name	Sharing	Favorite	Last update (UTC)
<div><div>○</div>Ruchita-Dashboard</div>		<div>☆</div>	2024-04-14 16:25

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