

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.

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us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#dashboards/

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Finish update ⋮

aws

Services

🔍 Search

[Option+S]

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N. Virginia ▼

rsujithsri16@gmail.com ▼

EC2

CloudWatch

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Favorites and recents ▶

Dashboards

▶ Alarms ⚠️ 0 ✅ 0 🗨 2

▶ Logs

▶ Metrics

▶ X-Ray traces

▶ Events

▶ Application Signals

▶ Network monitoring

▶ Insights

Settings

Getting Started

What's new

CloudWatch > Dashboards

Custom dashboards Automatic dashboards

Custom Dashboards (1) Info

Share dashboard Delete Create dashboard

🔍 Filter dashboards

< 1 > ⚙

	Name ▼	Sharing	Favorite ▲	Last update (UTC) ▼
○	dashboard-cloud		☆	2024-04-20 06:37

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us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#dashboards/

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EC2

☰ CloudWatch > Dashboards

Custom dashboards Automatic dashboards

Custom Dashboards (1) Info

🔍 Filter dashboards

Name

○ dashboard-cloud

Share dashboard Delete Create dashboard

< 1 > ⚙️

▲ Last update (UTC) ▼

2024-04-20 06:37

Create new dashboard

✕

Dashboard name

Mrg-Dashboard

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

Cancel Create dashboard

← → ↻

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#dashboards/dashboard/Mrg-Dashboard

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EC2

CloudWatch > Dashboards

Mrg-Dashboard ▾ ☆

Add widget

✕

Data sources types - new


☒ Cloudwatch

☐ Other content types

☐ Create data sources


☐ Line

Compare metrics over time



☐ Data table


Compare metrics values over time in a table



☐ Number


Instantly see the latest value for a metric

75 %




☒ Stacked area

Compare the total over time




☐ Gauge

See the latest value of a metric within a range




☐ Bar

Compare categories of data




☐ Pie

Show percentage or proportional data



☐ Explorer

A single widget with multiple tag-based graphs



Cancel

Next

Autosave: Off

Save

+

Add metric graph



Browse Multi source query Graphed metrics (1) Options Source Add math Add query

N. Virginia All EC2 Per-instance metrics Search for any metric, dimension, resource id or account id

	Instance name 34/34	InstanceId	Metric name	Alarms
<input checked="" type="checkbox"/>	No name specified	i-01524dd9b18d1b055	CPUUtilization ⓘ	No alarms
<input type="checkbox"/>	No name specified	i-01524dd9b18d1b055	NetworkPacketsOut ⓘ	No alarms
<input type="checkbox"/>	No name specified	i-01524dd9b18d1b055	NetworkIn ⓘ	No alarms
<input type="checkbox"/>	No name specified	i-01524dd9b18d1b055	DiskWriteOps ⓘ	No alarms
<input type="checkbox"/>	No name specified	i-01524dd9b18d1b055	CPUCreditUsage ⓘ	No alarms

Cancel Create widget

☰

[CloudWatch](#) > [Dashboards](#) > Mrg-Dashboard

[Autosave: Off](#)

Mrg-Dashboard ▾ ☆

↶ ↷

1h 3h 12h 1d 3d 1w Custom

UTC timezone ▾

▾

Actions ▾

Save

+

CPUUtilization

No unit

1

No data available.
Try adjusting the dashboard time range.

0.5

0.015

00:30 04-24 01:06 02:30

1. CPUUtilization -

Add metric graph



Browse

Multi source query

Graphed metrics (1)

Options

Source

Add math

Add query

<input type="checkbox"/>	instance-mrg	i-04d858dd64f8c9f13	MetadataNoToken ⓘ	No alarms
<input type="checkbox"/>	instance-mrg	i-04d858dd64f8c9f13	DiskReadBytes ⓘ	No alarms
<input type="checkbox"/>	instance-mrg	i-04d858dd64f8c9f13	DiskWriteOps ⓘ	No alarms
<input type="checkbox"/>	instance-mrg	i-04d858dd64f8c9f13	NetworkPacketsOut ⓘ	No alarms
<input checked="" type="checkbox"/>	instance-mrg	i-04d858dd64f8c9f13	NetworkIn ⓘ	No alarms
<input type="checkbox"/>	instance-mrg	i-04d858dd64f8c9f13	NetworkPacketsIn ⓘ	No alarms

Cancel

Create widget

← → ↺

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#dashboards/dashboard/Mrg-Dashboard

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Finish update ⋮

aws

Services

Search

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EC2

CloudWatch > Dashboards

Mrg-Dashboard ⌵ ☆

CPUUtilization

No unit

1

No data available. Try adjusting the dashboard.

0.5

0

00:30

CPUUtilization

Add widget

Data sources types - new

☒ Cloudwatch

☐ Other content types

☐ Create data sources

Widget Configuration

Data type

Metrics


Logs

Alarms

Widget type


☒ Line

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Compare the total over time



☐ Bar

Compare categories of data



Cancel

Next

Autosave: Off

ns ⌵

Save

+

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#dashboards/dashboard/Mrg-Dashboard

aws

Services

Search

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Finish update

EC2

Add metric graph

0

00:00

00:15

00:30

00:45

01:00

01:15

01:30

01:45

02:00

02:15

02:30

02:45

Browse

Multi source query

Graphed metrics

Options

Source

Add math

Add query

Metrics (548)

☐ Alarm recommendations

Graph with SQL

Graph search

N. Virginia

Search for any metric, dimension, resource id or account id

ApplicationELB

43

EBS

18

EC2

34

ElasticBeanstalk

1

Events

22

Lambda

26

Logs

18

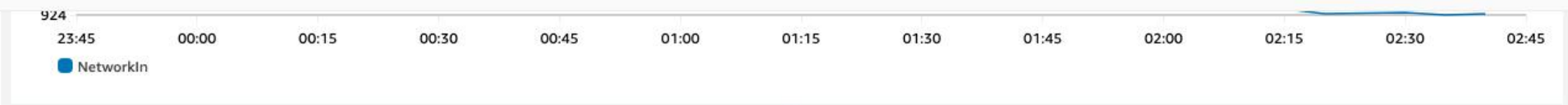
S3

10

Cancel

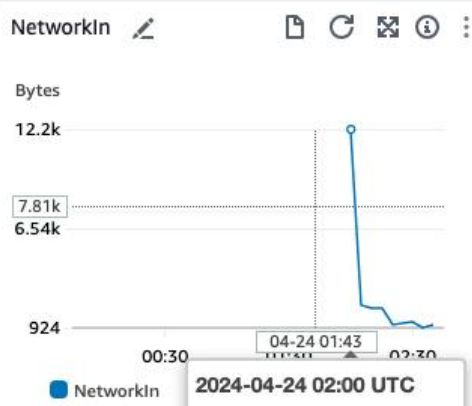
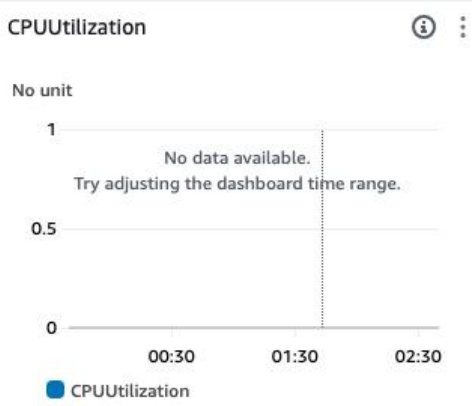
Create widget

Add metric graph



Browse	Multi source query	Graphed metrics (1)	Options	Source	Add math ▼	Add query ▼
<input type="checkbox"/>	instance-mrg	i-04d858dd64f8c9f13	MetadataNoToken ⓘ	No alarms		
<input type="checkbox"/>	instance-mrg	i-04d858dd64f8c9f13	DiskReadBytes ⓘ	No alarms		
<input type="checkbox"/>	instance-mrg	i-04d858dd64f8c9f13	DiskWriteOps ⓘ	No alarms		
<input type="checkbox"/>	instance-mrg	i-04d858dd64f8c9f13	NetworkPacketsOut ⓘ	No alarms		
<input checked="" type="checkbox"/>	instance-mrg	i-04d858dd64f8c9f13	NetworkIn ⓘ	No alarms		
<input type="checkbox"/>	instance-mrg	i-04d858dd64f8c9f13	NetworkPacketsIn ⓘ	No alarms		

Mrg-Dashboard 1h 3h 12h 1d 3d 1w Custom UTC timezone Actions Save +



04-24 01:43

2024-04-24 02:00 UTC

1. NetworkIn 12,153