

Module-8: CloudWatch Assignment - 4

You have been asked to:

1. Create a dashboard which lets to check the CPU Utilization and NetworkIn for a particular EC2 instance
-

CloudWatch

×

Favorites and recents

▶

Dashboards

▶

Alarms

▶

Logs

▶

Metrics

▶

X-Ray traces

▶

Events

▶

Application monitoring

▶

Insights

▶

Settings

▶

Getting Started

▶

CloudWatch

Overview

info

1h3h12h1d1wCustom

⌂

↺

⌵

Actions


Overview

Filter by resource group


info

Get started with CloudWatch


You don't have any alarms, metrics or default dashboard. Once you set them up they will be displayed here. [View getting started page](#)




Set alarms on any of your metrics to receive notification when your metric crosses your specified threshold.
[Create alarms](#)



Create and name any CloudWatch dashboard **CloudWatch-Default** to display it here.
[Create a default dashboard](#)



Monitor using your existing system, application and custom log files.
[View logs](#)



Write rules to indicate which events are of interest to your application and what automated action to take.
[View events](#)

Get started with Application Insights

info

Configure Application Insights

Set up monitors and dashboards to detect issues and resolve problems with enterprise applications, databases, and workloads.
[▶ How it works](#)

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

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https:



Services



Search for

CloudWatch



Favorites and recents



Dashboards



▶ Alarms

⚠ 0 ✓ 0 ☹ 0

▶ Logs

▶ Metrics

▶ X-Ray traces

▶ Events

▶ Application monitoring

▶ Insights

Settings

Getting Started



📘 We've redesigned the custom dashboards to make them easier to use. [Let us know what you think](#). Or you can [use the old console](#).



CloudWatch > Dashboards

Custom dashboards

Automatic dashboards

Custom Dashboards (0) [Info](#)

🔍 Filter dashboards

Share dashboard

Delete

Create dashboard

< 1 > ⚙️

Name



Sharing

Favorite



Last update (UTC)



No dashboards

You have not created any dashboards.

[Read more about Dashboards](#)

Create dashboard

Create new dashboard



Dashboard name

VaibhavDashboard

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

Cancel

Create dashboard



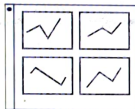
VaibhavDashboard

Add widget

Select a widget type to add to the dashboard.

Explorer

A single widget with multiple tag-based graphs



Line

Compare metrics over time



Stacked area

Compare the total over time



Number

Instantly see the latest value and trend for a metric



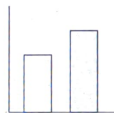
Gauge

See the latest value of a metric within a lower and upper range



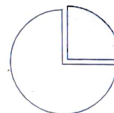
Bar

Compare categories of data



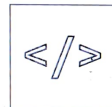
Pie

Show percentage or proportional data



Custom widget - New

Code widgets using Lambda and more



Text

Log table

Alarm status

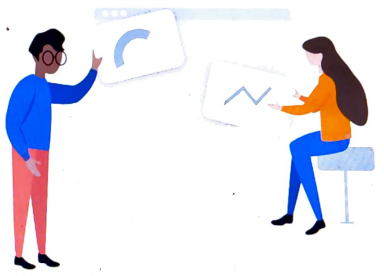
Search dashboards

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

Actions Save dashboard Add widget

No widget on this dashboard.

+ Add a first widget



View Dashboard

Add widget



Select a widget type to add to the dashboard.

Explorer

A single widget with multiple tag-based graphs



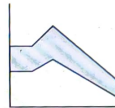
Line

Compare metrics over time



Stacked area

Compare the total over time



Number

Instantly see the latest value and trend for a metric



Gauge

See the latest value of a metric within a lower and upper range



Bar

Compare categories of data



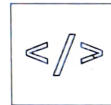
Pie

Show percentage or proportional data



Custom widget - New

Code widgets using Lambda and more



Text

Log table

Alarm status

Add to this dashboard



From which data source would you like to create the widget?

Metrics

Create widget based on Metrics and configure your widget on the next step.



Logs

Create widget based on query results from CloudWatch Logs Insights.

Vaibhav Add metric graph

Untitled graph [🔗](#)

1h

3h

12h

1d

3d

1w

Custom [📅](#)

Bar ▾



Your CloudWatch graph is empty.
Select some metrics to appear here.

Browse

Query

Graphed metrics

Options

Source

Add math ▾

Add query ▾

Metrics (142)

Graph with SQL

Graph search

N. Virginia ▾

EC2 [🔗](#) [✕](#)[EC2 > Per-Instance Metrics](#) 68[EC2 > By Auto Scaling Group](#) 17[Usage > By AWS Resource](#) 57[EC2 > Per-Instance Metrics](#)

Cancel

Create widget

Instances (1/1) [Info](#)



Connect

Instance state

Actions

Launch instances



< 1 >

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
<input checked="" type="checkbox"/>	VaibhavServer	i-0ed995d3580fcce77	Running	t2.micro	Initializing	No alarms +	us-east-1d	ec2-52-91-0-153.comp...	52.91.0.153

Instance: i-0ed995d3580fcce77 (VaibhavServer)

[Details](#) [Security](#) [Networking](#) [Storage](#) [Status checks](#) [Monitoring](#) [Tags](#)

▼ Instance summary [Info](#)

Instance ID i-0ed995d3580fcce77 (VaibhavServer)	Public IPv4 address 52.91.0.153 open address	Private IPv4 addresses 172.31.89.90
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-52-91-0-153.compute-1.amazonaws.com open address
Hostname type IP name: ip-172-31-89-90.ec2.internal	Private IP DNS name (IPv4 only) ip-172-31-89-90.ec2.internal	
Answer private resource DNS name (IPv4 (A))	Instance type t2.micro	Elastic IP addresses -
Auto-assigned IP address 52.91.0.153 [Public IP]	VPC ID vpc-0b03f01cba75ff067	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations Learn more

Add metric graph

Your CloudWatch graph is empty.
Select some metrics to appear here.

Browse Query Graphed metrics Options Source

Add math Add query

Metrics (69)

Graph with SQL Graph search

N. Virginia All > EC2 > Per-Instance Metrics

Q

i-0ed995d3580fce77

X

EC2 X

Instance name (69)	InstanceId	Metric name
<input type="checkbox"/> VaibhavServer	i-0ed995d3580fce77	MetadataNoToken
<input type="checkbox"/> ...	i-0ad22f2d16158d0af	CPUSurplusCreditBalance
<input type="checkbox"/> ...	i-0ad22f2d16158d0af	CPUSurplusCreditsCharged
<input type="checkbox"/> ...	i-0ad22f2d16158d0af	CPUCreditUsage
<input type="checkbox"/> ...	i-0ad22f2d16158d0af	CPUCreditBalance

Cancel Create widget

Add metric graph

CPUUtilization NetworkIn

Browse Query Graphed metrics (2) Options Source

Add math Add query

Metrics (17)

Graph with SQL Graph search

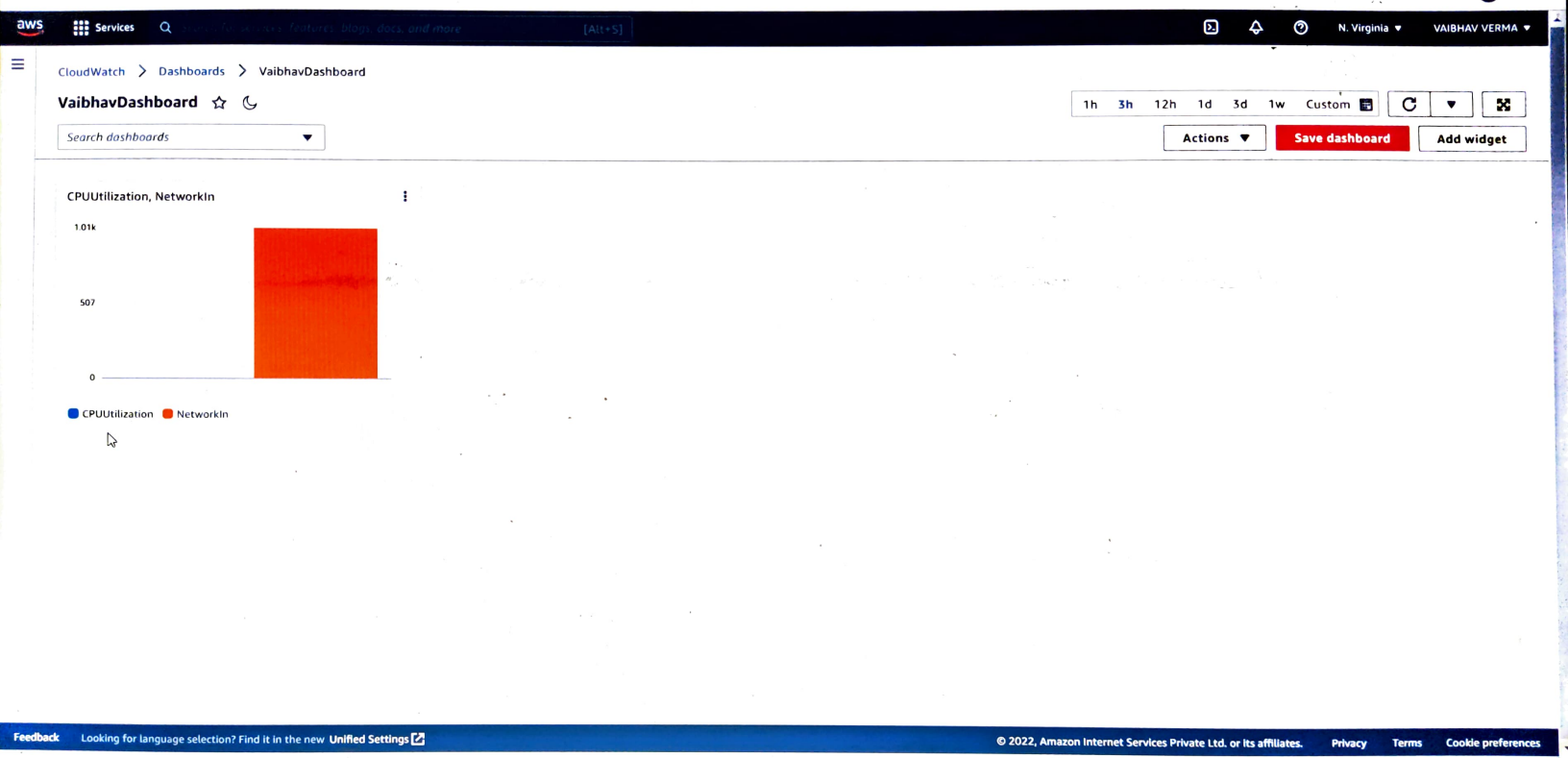
N. Virginia All > EC2 > Per-Instance Metrics

Search for any metric, dimension or resource id

i-0ed995d3580fcce77


Instance name (17)	InstanceId	Metric name
<input type="checkbox"/> VaibhavServer	i-0ed995d3580fcce77	NetworkPacketsOut
<input checked="" type="checkbox"/> VaibhavServer	i-0ed995d3580fcce77	CPUUtilization
<input checked="" type="checkbox"/> VaibhavServer	i-0ed995d3580fcce77	NetworkIn
<input type="checkbox"/> VaibhavServer	i-0ed995d3580fcce77	NetworkOut
<input type="checkbox"/> VaibhavServer	i-0ed995d3580fcce77	DiskReadBytes

Cancel Create widget



VaibhavDashboard ☆ 🌙

Search dashboards ▼

CPUUtilization, NetworkIn 



1.01k

507

0



 CPUUtilization  NetworkIn

- Edit
- Duplicate
- Delete
- Enlarge
- Refresh
- Add to dashboard
- Download as .csv
- Apply time range

Legend ▶

Widget type ▶

[View in metrics](#) 

[View logs](#) 


- Line
- Stacked area
- Number
- Gauge...
- Bar
- Pie

Widget actions

☰ CloudWatch > Dashboards > VaibhavDashboard

VaibhavDashboard ☆ 🌙

▼

CPUUtilization, NetworkIn 

0.07 %

1.01 kB

 CPUUtilization

 NetworkIn

