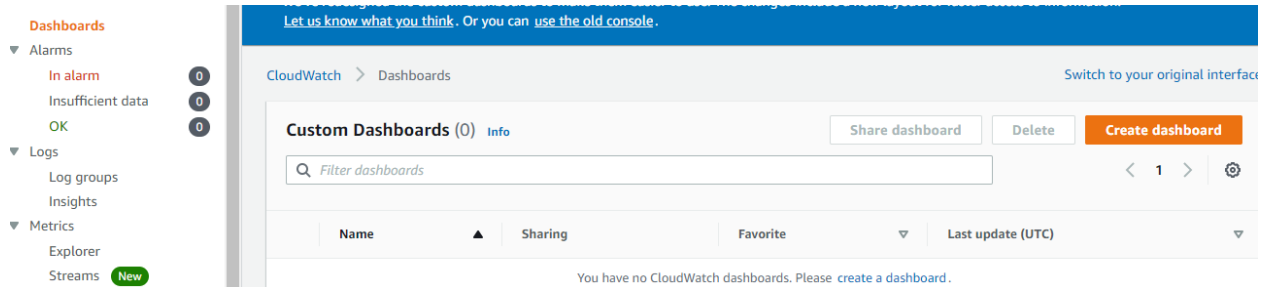


## Cloud Watch configuration on metrics

- 1) Create one instance
- 2) Create a dashboard

Goto cloudwatch service → click on dashboard → click on create dashboard



Provide the appropriate name and click on Create dashboard

### Create new dashboard

Dashboard name

*Dashboard name*

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

Cancel>Create dashboard

Select the widget as per your choice-example here is explorer



Select EC2 Instances by type from drop down as per below

**Add to this dashboard** ✕

☒ **Pre-filled Explorer widget**  
Choose one of our ready made Explorer templates.

☐ **Empty Explorer widget**  
Start building your Explorer from scratch.

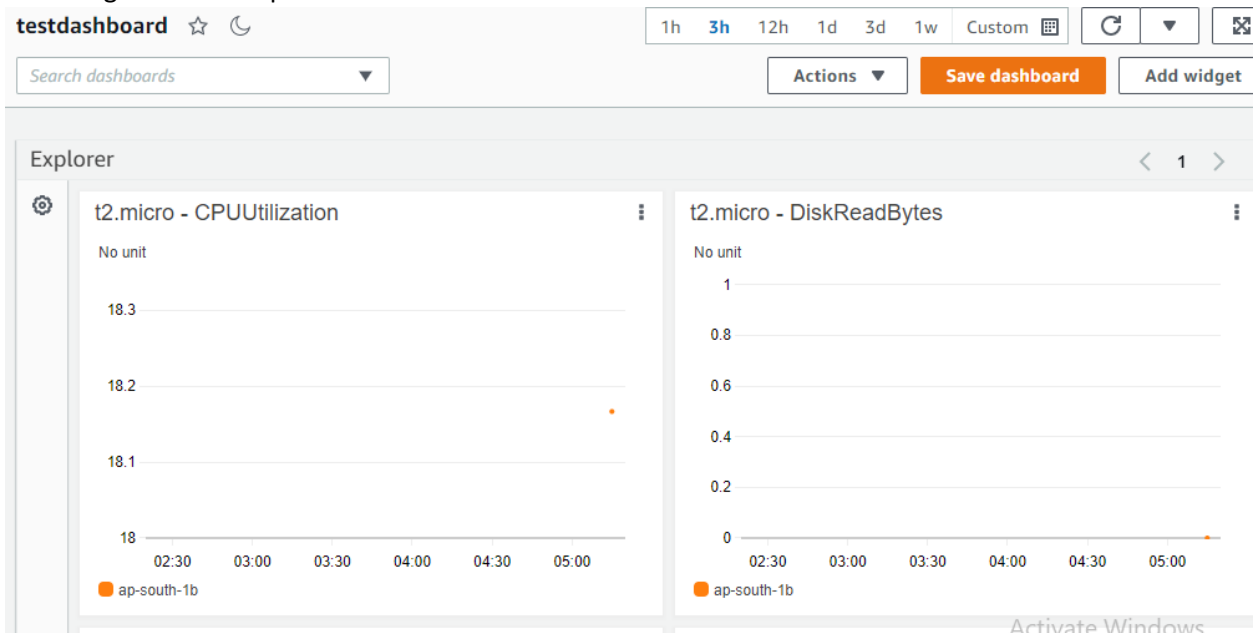
Choose template  

EC2 Instances by type ▼

Cancel

Create

You will get below output that is our dashboard.



## METRIC

Choose a metrics → select EC2 metrics

▼ **Metrics**

Explorer

Streams **New**

▼ **Events**

Rules

Event Buses

▼ **ServiceLens**

Service Map

Traces

**Metrics (218)** [Info](#)

Graph search

**View graphed metrics**

Mumbai ▼

🔍 Search for any metric, dimension or resource id

EBS63

EC2116

SNS8

Usage31

You can select any metrics as per your choice here we are selecting cpu utilization.

Metrics (102) <a href="#">Info</a>		<a href="#">Graph search</a>	<a href="#">View graphed metrics (1)</a>
<a href="#">Mumbai</a> ▼	<a href="#">All</a> > <a href="#">EC2</a> > Per-Instance Metrics	<input type="text" value="Search for any metric, dimension or resource id"/>	
<input type="checkbox"/>	INSTANCE NAME (102) ▲	INSTANCEID ▲	METRIC NAME ▲
<input checked="" type="checkbox"/>	cloud	i-04e04643b52c0df0a ▼	CPUUtilization ▼
<input type="checkbox"/>	cloud	i-04e04643b52c0df0a ▼	NetworkIn ▼

## SNS(Simple notification Service)

Provide any suitable name

# Amazon Simple Notification Service

## Pub/sub messaging for microservices and serverless applications.

Amazon SNS is a highly available, durable, secure, fully managed pub/sub messaging service that enables you to decouple microservices, distributed systems, and event-driven serverless applications. Amazon SNS provides topics for high-throughput, push-based, many-to-many messaging.

### Create topic

Topic name  
A topic is a message channel. When you publish a message to a topic, it fans out the message to all subscribed endpoints.

[Next step](#)

[Start with an overview](#)

Choose standard and click on create

Type [Info](#)

Topic type cannot be modified after topic is created

☐ FIFO (first-in, first-out)

- Strictly-preserved message ordering
- Exactly-once message delivery
- High throughput, up to 300 publishes/second
- Subscription protocols: SQS

☒ Standard

- Best-effort message ordering
- At-least once message delivery
- Highest throughput in publishes/second
- Subscription protocols: SQS, Lambda, HTTP, SMS, email, mobile application endpoints

Name

Maximum 256 characters. Can include alphanumeric characters, hyphens (-) and underscores (\_).

Display name - *optional*

To use this topic with SMS subscriptions, enter a display name. Only the first 10 characters are displayed in an SMS message. [Info](#)

Maximum 100 characters, including hyphens (-) and underscores (\_).

Create a subscription

mytopic

EditDeletePublish message

Details

Name	mytopic	Display name	-
ARN	arn:aws:sns:ap-south-1:356504592071:mytopic	Topic owner	356504592071
Type	Standard		

Subscriptions

Access policy

Delivery retry policy (HTTP/S)

Delivery status logging

Encryption

Tags

Subscriptions (0)

Edit

Delete

Request confirmation

Confirm subscription

Create subscription

Q Search

Activate Windows

Choose protocol of your requirement – here I am selecting mail and provide your mail id, you will get one mail to your provided mail id for confirmation. Login to your mail id and confirm

Create subscription

Details

Topic ARN

Q

arn:aws:sns:ap-south-1:356504592071:mytopic

X

Protocol

The type of endpoint to subscribe

Select protocol

Amazon Kinesis Data Firehose

Amazon SQS

AWS Lambda

Email

Email-JSON

HTTP

HTTPS

Platform application endpoint

SMS

## ALARM

Click on create alarm

The screenshot shows the AWS CloudWatch Alarms console. On the left, there is a navigation menu with 'Alarms' selected, showing 0 alarms in 'In alarm' state, 0 in 'Insufficient data' state, and 0 in 'OK' state. Below this are 'Logs' (Log groups, Insights) and 'Metrics' (Explorer). The main area has a search bar, filters for 'Any state' and 'Any type', and a table with columns: Name, State, Last state update, Conditions, and Actions. The table is empty, displaying 'No alarms' and 'No alarms to display'. A 'Create alarm' button is visible at the bottom of the table area.

Select metrics

The screenshot shows the 'Select metric' step in the AWS CloudWatch console. At the top, there is a graph for 'CPUUtilization' with a y-axis from 0.099 to 9.13 and an x-axis from 02:45 to 05:30. Below the graph, the 'Metrics (102)' section is visible. It includes a 'Graph search' button and a 'View graphed metrics (1)' button. A search bar contains the text 'Search for any metric, dimension or resource id'. Below the search bar is a table with columns: INSTANCE NAME (102), INSTANCEID, and METRIC NAME. The first row is selected, showing 'cloud' as the instance name, 'i-04e04643b52c0df0a' as the instance ID, and 'CPUUtilization' as the metric name. The second row shows 'cloud' as the instance name, 'i-04e04643b52c0df0a' as the instance ID, and 'NetworkIn' as the metric name.

Select Threshold value from conditions and click next

### Conditions

Threshold type

☒ Static  
Use a value as a threshold

☐ Anomaly detection  
Use a band as a threshold

Whenever CPUUtilization is...  
Define the alarm condition.

☒ Greater  
> threshold

☐ Greater/Equal  
≥ threshold

☐ Lower/Equal  
≤ threshold

☐ Lower  
< threshold

than...  
Define the threshold value.

Must be a number

► Additional configuration

Cancel

Next

Select the topic name which we have created in SNS in notifications field

### Notification

Alarm state trigger  
Define the alarm state that will trigger this action.

☒ In alarm  
The metric or expression is outside of the defined threshold.

☐ OK  
The metric or expression is within the defined threshold.

☐ Insufficient data  
The alarm has just started or not enough data is available.

Select an SNS topic  
Define the SNS (Simple Notification Service) topic that will receive the notification.

☒ Select an existing SNS topic

☐ Create new topic

☐ Use topic ARN

Send a notification to...

mytopic

Click next and provide the name of your alarm

## Add name and description

### Name and description

Alarm name

Alarm description - *optional*

Up to 1024 characters (0/1024)

Cancel

Previous

Next