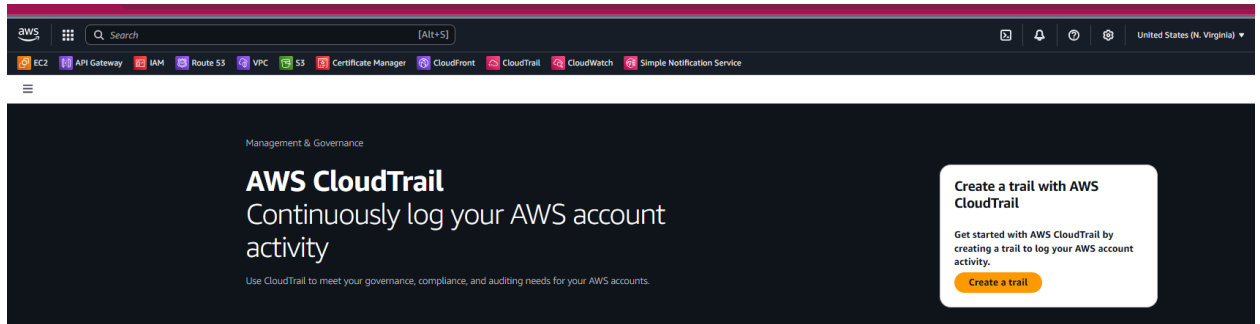
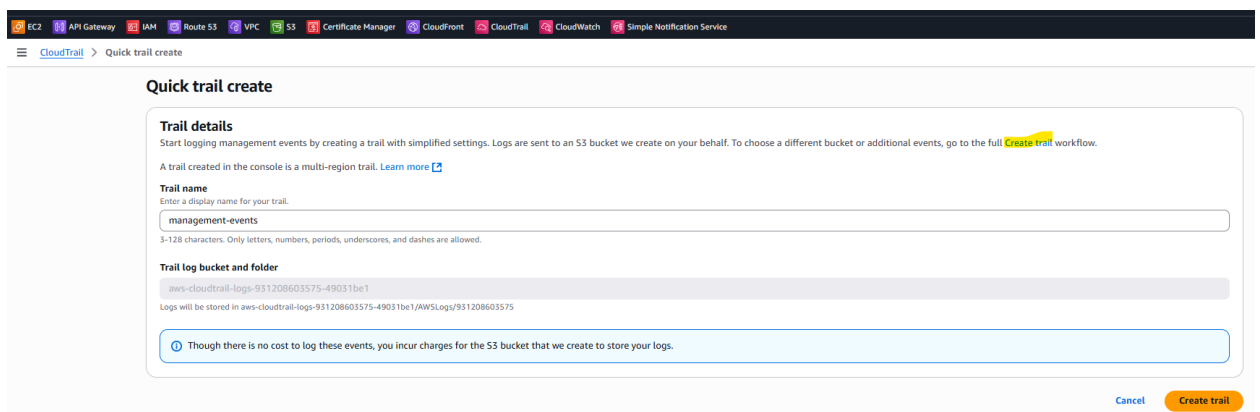


1) Enable CloudTrail monitoring and store the events in s3 and CloudWatch log events.

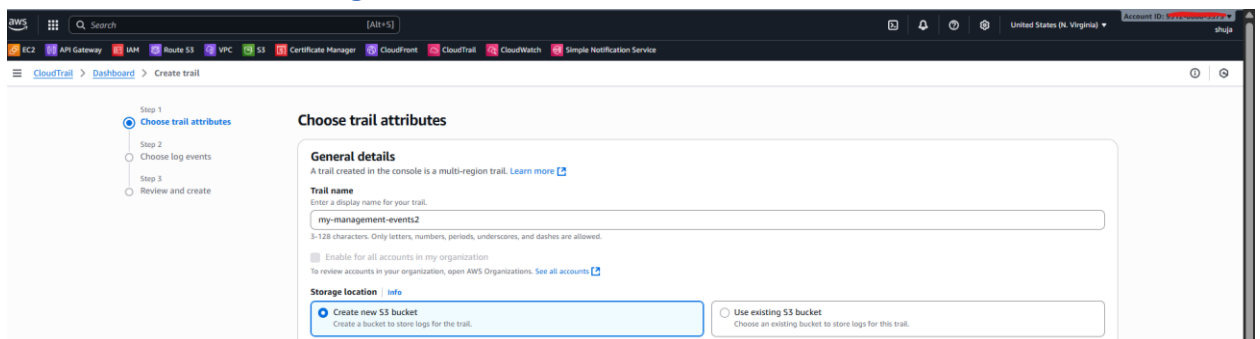
Goto CloudTrail service and click on Create a trail:



Then click on Create trail to get the complete workflow of cloudtrail:



Enter the trail name, Storage Location, Create a new s3 bucket :



and give the bucket name , Log file validation and enable SNS delivery notification:

Trail log bucket and folder

Enter a new S3 bucket name and folder (prefix) to store your logs. Bucket names must be globally unique.

aws-cloudtrail-logs-horizon-bucket

Logs will be stored in aws-cloudtrail-logs-horizon-bucket/AWSLogs/931208603575

Log file SSE-KMS encryption [Info](#)

☐ Enabled

▼ Additional settings

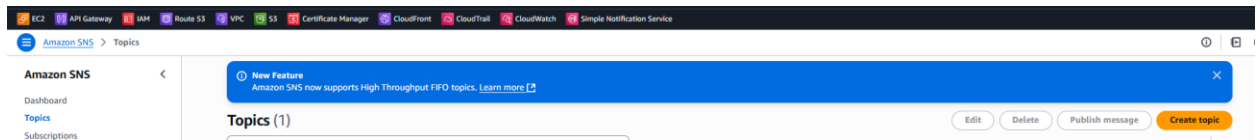
Log file validation [Info](#)

☒ Enabled

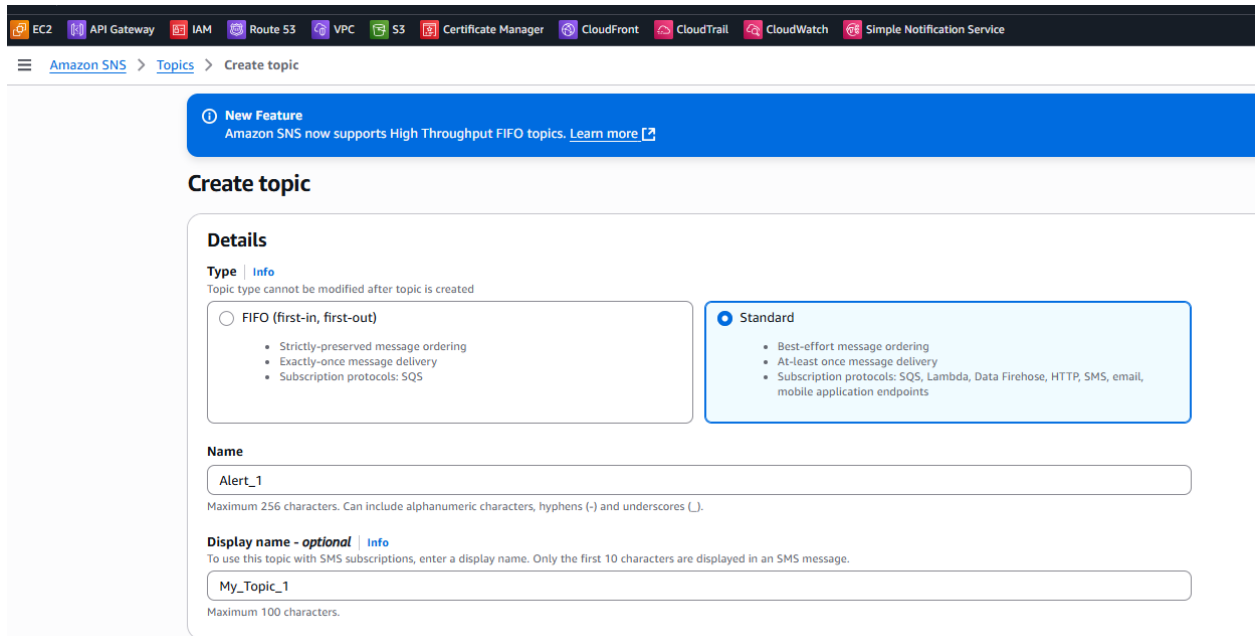
SNS notification delivery [Info](#)

☒ Enabled

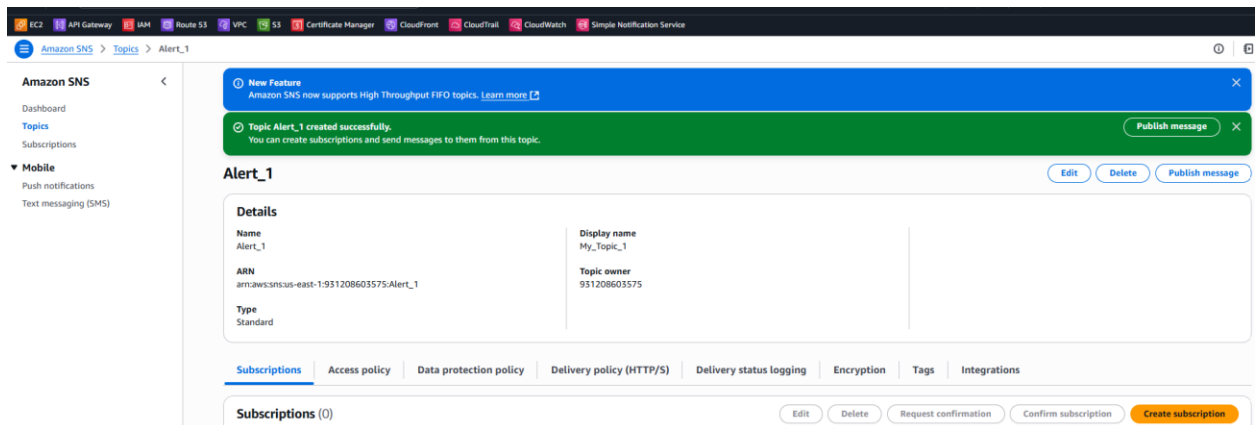
Goto SNS service and Create topic:



Select the standard and give the name of the topic and Display name and Create topic:



Next, Create the Subscription:



Select the protocol as 'Email' and Endpoint as 'your email id' and click Create Subscription:

Amazon SNS > Subscriptions > Create subscription

New Feature
Amazon SNS now supports High Throughput FIFO topics. [Learn more](#)

Create subscription

Details
Topic ARN

Protocol
The type of endpoint to subscribe

Email

Endpoint
An email address that can receive notifications from Amazon SNS.

After your subscription is created, you must confirm it. [info](#)

Subscription filter policy - optional [info](#)
This policy filters the messages that a subscriber receives.

Redrive policy (dead-letter queue) - optional [info](#)
Send undeliverable messages to a dead-letter queue.

[Cancel](#) [Create subscription](#)

Then you will get status as Pending confirmation:

Amazon SNS > Topics > Alert_1 > Subscription: 203f869b-8164-4a27-bca8-ee4125fc165d

New Feature
Amazon SNS now supports High Throughput FIFO topics. [Learn more](#)

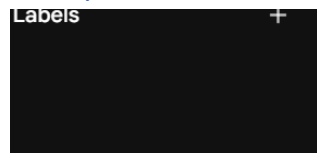
Subscription to Alert_1 created successfully.
The ARN of the subscription is arn:aws:sns:us-east-1:931208603575:Alert_1:203f869b-8164-4a27-bca8-ee4125fc165d.

Subscription: 203f869b-8164-4a27-bca8-ee4125fc165d

Details
ARN
arn:aws:sns:us-east-1:931208603575:Alert_1:203f869b-8164-4a27-bca8-ee4125fc165d
Endpoint
shujath.devops@gmail.com
Topic
[Alert_1](#)

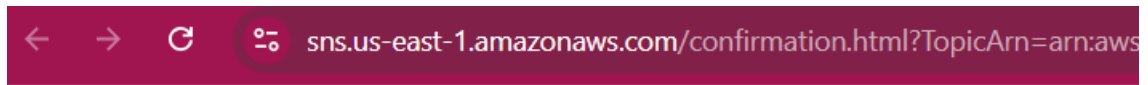
Status
Pending confirmation
Protocol
EMAIL

Goto your email and confirm the subscription:



Confirm subscription

To confirm this subscription, click or visit the link below (If this was in error no action is necessary):
[Confirm subscription](#)



Simple Notification Service

Subscription confirmed!

You have successfully subscribed.

Your subscription's id is:

arn:aws:sns:us-east-1:931208603575:Alert_1:203f869b-8164-4a27-bca8-ee4125fc165d

If it was not your intention to subscribe, [click here to unsubscribe](#).

Then you will get the status as confirmed:

Amazon SNS > Topics > Alert_1 > Subscription: 203f869b-8164-4a27-bca8-ee4125fc165d

Amazon SNS

- Dashboard
- Topics
- Subscriptions
- ▼ Mobile
 - Push notifications
 - Text messaging (SMS)

Subscription: 203f869b-8164-4a27-bca8-ee4125fc165d

Details

ARN arn:aws:sns:us-east-1:931208603575:Alert_1:203f869b-8164-4a27-bca8-ee4125fc165d	Status ✔ Confirmed
Endpoint shujath.devops@gmail.com	Protocol EMAIL
Topic Alert_1	
Subscription Principal arn:aws:iam::931208603575:root	

Subscription filter policy | Redrive policy (dead-letter queue)

Subscription filter policy [Info](#)
This policy filters the messages that a subscriber receives.

No filter policy configured for this subscription.
To apply a filter policy, edit this subscription.

[Edit](#)

Then Enable the CloudWatch logs and give the log group name and iam role name[log group and iam role will be created by default by aws cloudTrail we just need to give any name here:

Create a new SNS topic

- ☐ New
☒ Existing

SNS topic

arn:aws:sns:us-east-1:931208603575:Alert_1

CloudWatch Logs - optional

Configure CloudWatch Logs to monitor your trail logs and notify you when specific activity occurs. Standard CloudWatch and CloudWatch Logs charges apply. [Learn more](#)

CloudWatch Logs [Info](#)

☒ Enabled

Log group [Info](#)

- ☒ New
☐ Existing

Log group name

aws-cloudtrail-logs-horizon-logs

1-512 characters. Only letters, numbers, dashes, underscores, forward slashes, and periods are allowed.

IAM Role [Info](#)

AWS CloudTrail assumes this role to send CloudTrail events to your CloudWatch Logs log group.

- ☒ New
☐ Existing

Role name

horizon-log-group-role

► Policy document

Taas - optional [Info](#)

Next, select which events you want to create, here creating 'Management events' and select the API Activity as 'Read' 'Write':

[CloudTrail](#) > [Dashboard](#) > Create trail

- Step 1
Choose trail attributes
Step 2
Choose log events
Step 3
Review and create

Choose log events

Events [Info](#)

Record API activity for individual resources, or for all current and future resources in AWS account. [Additional charges apply](#)

Event type

Choose the type of events that you want to log.

☒ **Management events**
Capture management operations performed on your AWS resources.

☐ **Data events**
Log the resource operations performed on or within a resource.

☐ **Insights events**
Identify unusual activity, errors, or user behavior in your account.

☐ **Network activity events**
Network activity events provide information about resource operations performed on a resource within a virtual private cloud endpoint.

Management events [Info](#)

Management events show information about management operations performed on resources in your AWS account.

Multiple management events trails detected. Charges apply to duplicated logged management events. [Additional charges apply](#)

API activity

Choose the activities you want to log.

☒ Read

☒ Write

☐ Exclude AWS KMS events

☐ Exclude Amazon RDS Data API events

[Cancel](#)

[Previous](#)

[Next](#)

And click on create trail :

Data events

Data event collection is not configured for this trail

Insights events

You can only enable CloudTrail Insights on trails that log management events. [Learn more](#)

Network activity events

Network activity event collection is not configured for this trail

Cancel

Previous

Create trail

[Amazon S3](#) > [Buckets](#) > [aws-cloudtrail-logs-931208603575-3a4c24da](#) > [AWSLogs/](#) > [931208603575/](#) > [CloudTrail/](#) > [us-east-1/](#) > [2025/](#) > [10/](#) > [03/](#)

03/

[Copy S3 URI](#)

Objects | Properties

Objects (1) [🔗](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions ▼](#) [Create folder](#) [Upload ↶](#)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

 Find objects by prefix

< 1 > ⚙️

<input type="checkbox"/>	Name ▲	Type ▼	Last modified ▼	Size ▼	Storage class ▼
<input type="checkbox"/>	931208603575_CloudTrail_us-east-1_20251003T1200Z_RJgMAIY3Cog1cM2Pzson.gz	gz	October 3, 2025, 17:28:27 (UTC+05:30)	592.0 B	Standard

CloudWatch

Log groups

CloudWatch

Log groups (1)

By default, we only load up to 10000 log groups.

Exact match

Log group	Log class	Anomaly d...	Data protection	Sensitive data count	Retention	Metric filters	Contributor insights
aws-cloudtrail-logs-931208603575-196b9cfa	Standard	Configure	-	-	Never expire	-	-

Alarms

Alarms

All alarms

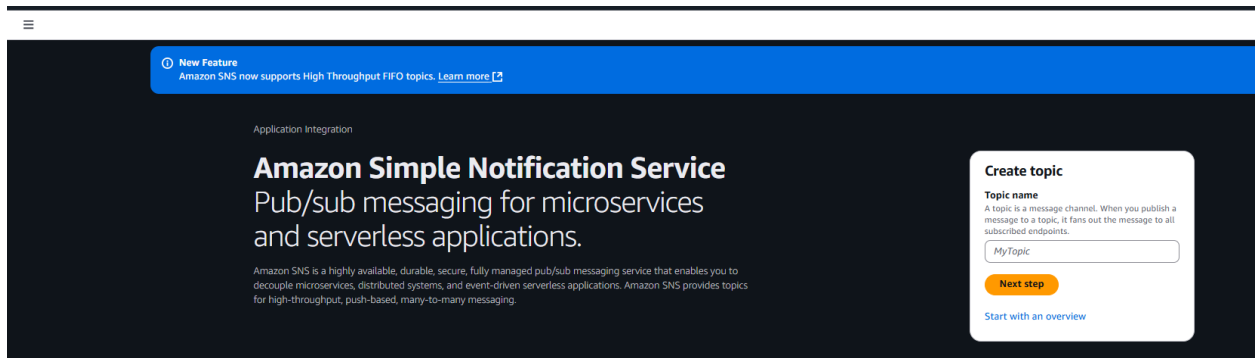
Billing

Logs

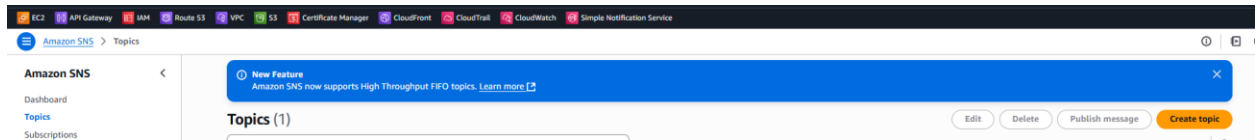
Log groups

-----done-----

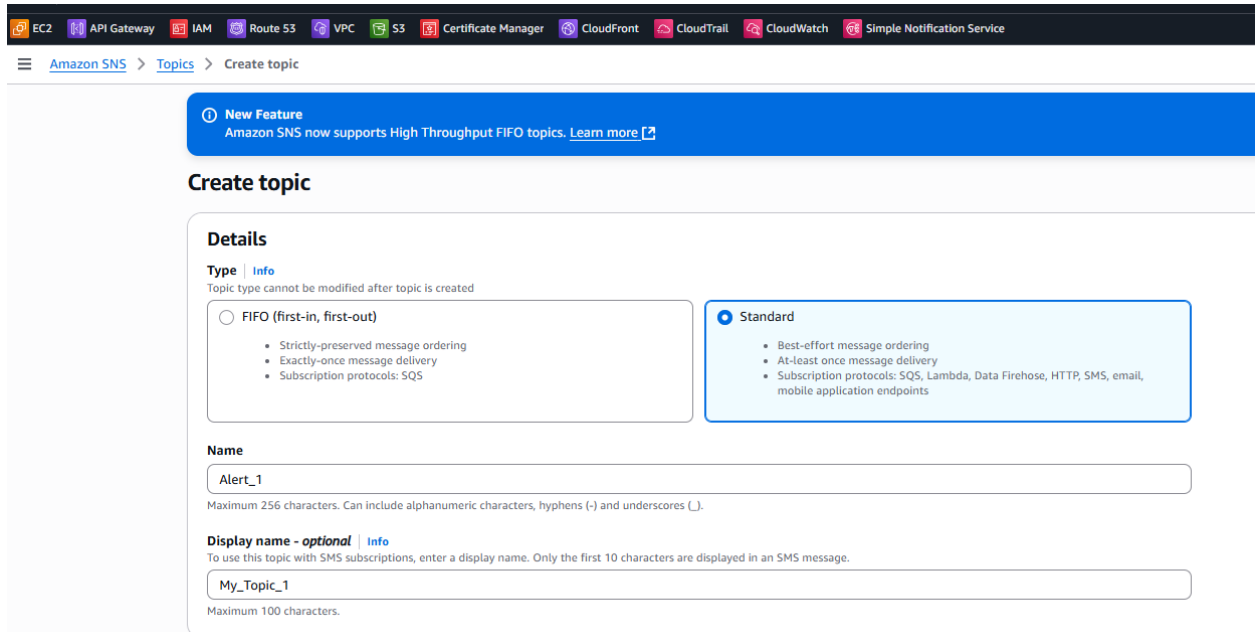
2) Enable SNS for cloudtrial to send alert on email.



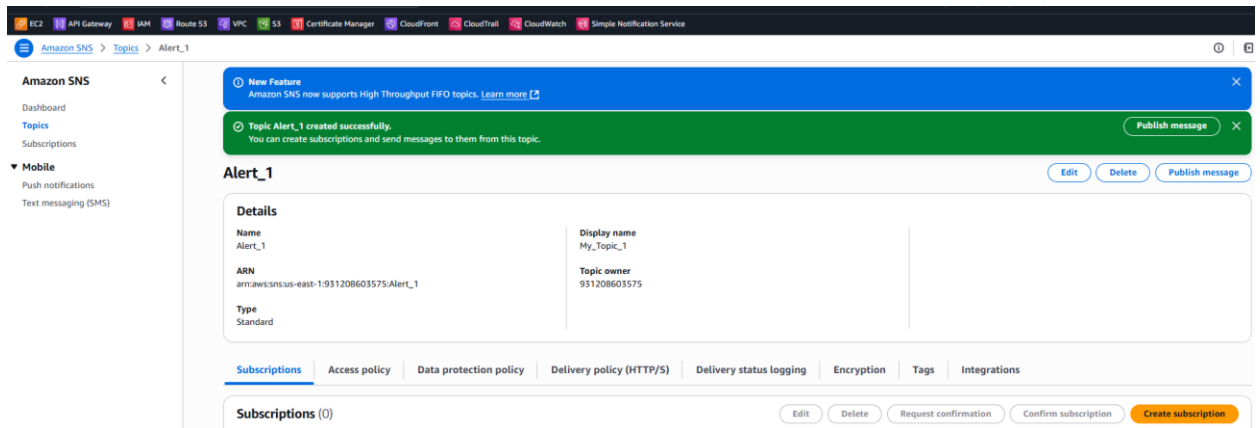
Goto SNS service and Create topic:



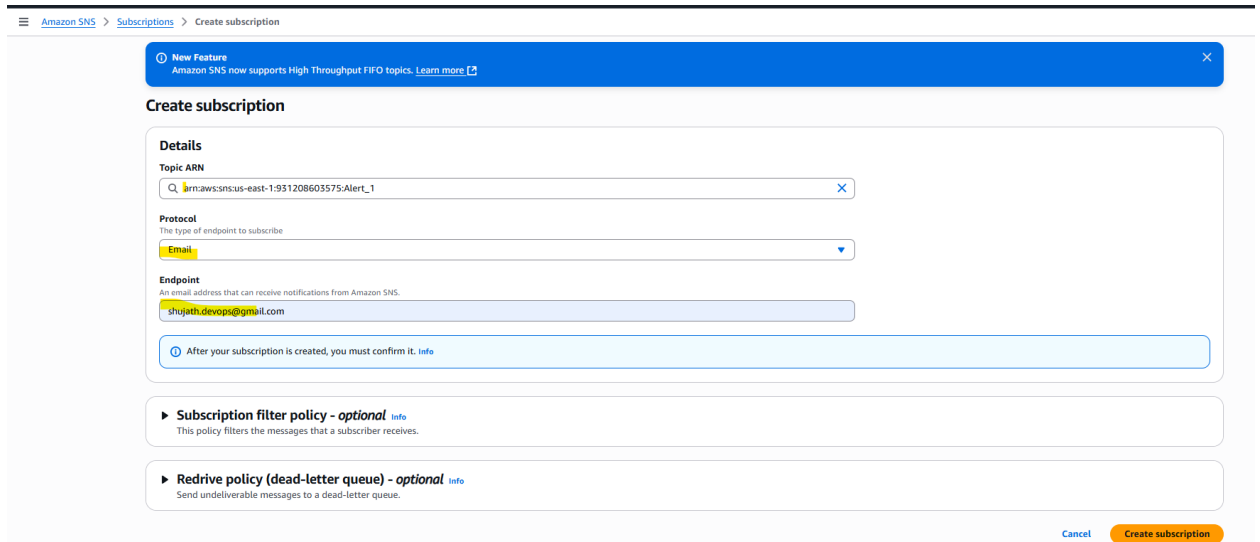
Select the standard and give the name of the topic and Display name and Create topic:



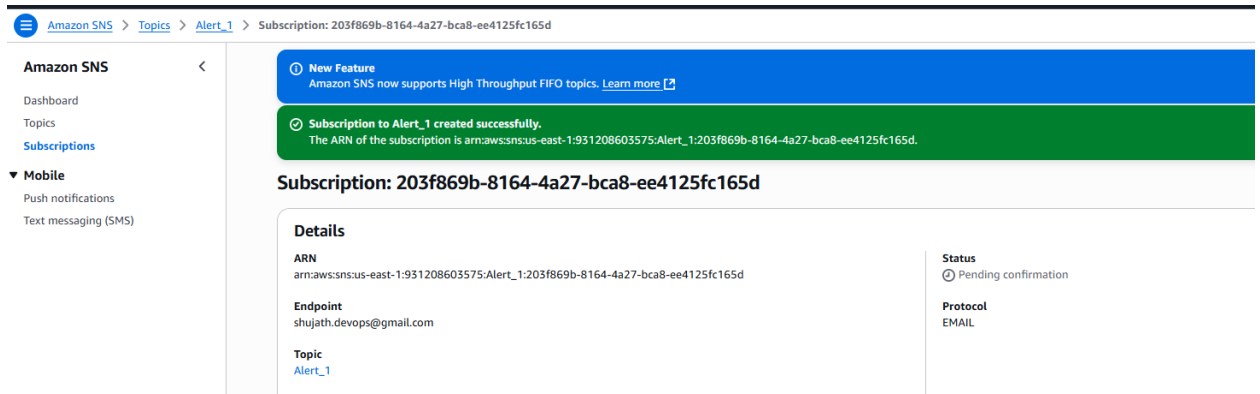
Next, Create the Subscription:



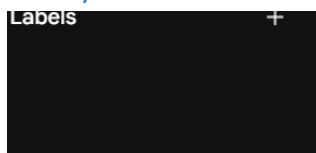
Select the protocol as 'Email' and Endpoint as 'your email id' and click Create Subscription:



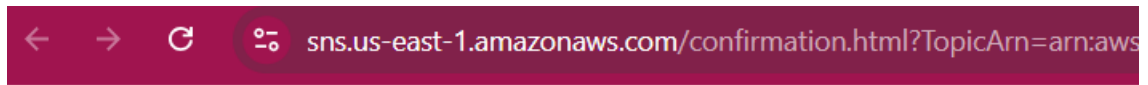
Then you will get status as Pending confirmation:



Goto your email and confirm the subscription:



To confirm this subscription, click or visit the link below (If this was in error no action is necessary):
[Confirm subscription](#)



Simple Notification Service

Subscription confirmed!

You have successfully subscribed.

Your subscription's id is:

arn:aws:sns:us-east-1:931208603575:Alert_1:203f869b-8164-4a27-bca8-ee4125fc165d

If it was not your intention to subscribe, [click here to unsubscribe](#).

Then you will get the status as confirmed:

Amazon SNS > Topics > Alert_1 > Subscription: 203f869b-8164-4a27-bca8-ee4125fc165d

Amazon SNS

- Dashboard
- Topics
- Subscriptions
- ▼ Mobile
 - Push notifications
 - Text messaging (SMS)

Subscription: 203f869b-8164-4a27-bca8-ee4125fc165d

Details

ARN arn:aws:sns:us-east-1:931208603575:Alert_1:203f869b-8164-4a27-bca8-ee4125fc165d	Status ✔ Confirmed
Endpoint shujath.devops@gmail.com	Protocol EMAIL
Topic Alert_1	
Subscription Principal arn:aws:iam::931208603575:root	

Subscription filter policy | Redrive policy (dead-letter queue)

Subscription filter policy [Info](#)
This policy filters the messages that a subscriber receives.

No filter policy configured for this subscription.
To apply a filter policy, edit this subscription.

[Edit](#)

-----done-----

- 3) Configure cloud watch monitoring and record the cpu utilization and other metrics of ec2.

Create an EC2 instance and SSH into it and add some test load:

```
[ec2-user@ip-172-31-22-14 ~]$ sudo stress -c 4
stress: info: [15587] dispatching hogs: 4 cpu, 0 io, 0 vm, 0 hdd
```

We can check the cpu usage:

```
ec2-user@ip-172-31-22-14:~  
top - 13:27:38 up 11 min, 3 users, load average: 4.00, 2.93, 1.39  
Tasks: 109 total, 5 running, 104 sleeping, 0 stopped, 0 zombie  
%Cpu(s): 99.0 us, 0.0 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 0.0 si, 1.0 st  
MiB Mem : 949.4 total, 491.3 free, 127.0 used, 331.1 buff/cache  
MiB Swap: 0.0 total, 0.0 free, 0.0 used. 680.1 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
15588	root	20	0	3528	112	0	R	24.9	0.0	1:33.40	stress
15589	root	20	0	3528	112	0	R	24.9	0.0	1:33.41	stress
15591	root	20	0	3528	112	0	R	24.9	0.0	1:33.40	stress
15590	root	20	0	3528	112	0	R	24.6	0.0	1:33.40	stress
25951	ec2-user	20	0	224016	3404	2740	R	0.3	0.4	0:00.27	top

Goto CloudWatch and create Dashboard and give the name:

Create new dashboard

Dashboard name

CPU_Utilization

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

[Cancel](#) [Create dashboard](#)

Select Number in widget:

Add widget

Data sources types

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

Widget Configuration

Data type

Metrics | Logs | Alarms

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 **75 %**

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

☐ **Stacked area**
Compare the total over time

☐ **Bar**
Compare categories of data

☐ **Pie**
Show percentage or proportional data

☐ **Explorer**
A single widget with multiple tag-based graphs

Cancel

Next

Give instance id and press Enter:

Add metric graph

CPU utilization (%)

1h 3h 12h 1d 3d 1w Custom (1m) UTC timezone Number 10 seconds

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

Browse (839) Multi source query Graphed metrics Options Source

N. Virginia

Q: i-0855sexc4j596719a

Bedrock/DataAutomation	5	CertificateManager	1	CloudFront	18	EBS	32
EC2	100	Firehose	2	HealthLake	6	Location	8
Logs	15	Rekognition	6	Route53	1	S3	16
SNS	8	States	8	Usage	613		

And click on EC2->Pre-Instance Metrics

Browse (19) | Multi source query | Graphed metrics | Options | Source

N. Virginia ▼

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

i-0855eac6d59a7f9a8 ✎ ✕

EC2 > Per-Instance Metrics 19

Select yours and click on create widget:

Add metric graph

☐ Persist time range 1h 3h 12h 1d 3d 1w Custom (1m) UTC timezone Number 10 seconds

CPU utilization (%) 98.5 %

• CPUUtilization

Browse (19) | Multi source query | Graphed metrics (1) | Options | Source

test-server	i-0855eac6d59a7f...	EBSWriteBytes	No alarms
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	EBSDBalance%
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	MetadataNoToken
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	NetworkOut
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	NetworkPacketsIn
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	NetworkIn
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	NetworkPacketsOut
<input checked="" type="checkbox"/>	test-server	i-0855eac6d59a7f...	CPUUtilization
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	StatusCheckFailed_Instance
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	StatusCheckFailed
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	StatusCheckFailed_System

Cancel Create widget

Select custom 1 min and apply :

CloudWatch > Dashboards > CPU_Utilization1

CPU_Utilization1 ☆

CPUUtilization 98.5 %

1h 3h 12h 1d 3d 1w Custom (1m) UTC timezone 10 seconds Actions Save

Relative

Minutes 1 3 5 15 30 45

Hours 1 2 3 6 8 12

Days 1 2 3 4 5 6

Weeks 1 2 4 6

Months 3 6 12 15

Duration 1 Unit of time Minutes

Up to 4 digits.

Clear Cancel Apply

We can see the recorded CPU utilization of our instance:

CloudWatch > Dashboards > CPU_Utilization1

CPU_Utilization1 ☆

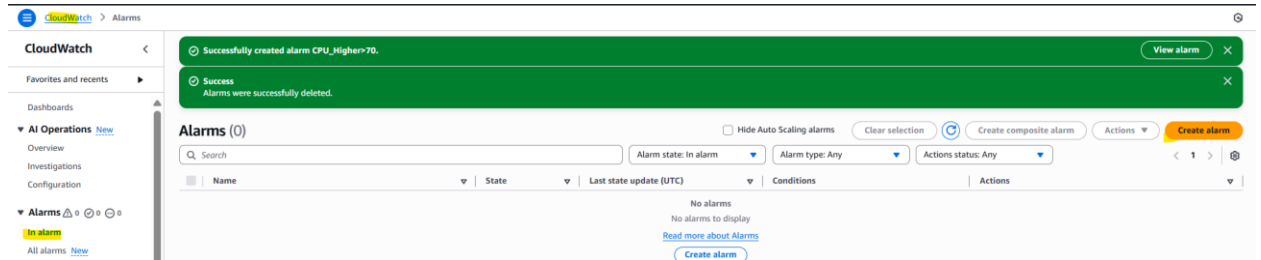
CPUUtilization 98.5 %

1h 3h 12h 1d 3d 1w Custom (1m) UTC timezone 10 seconds Actions Save

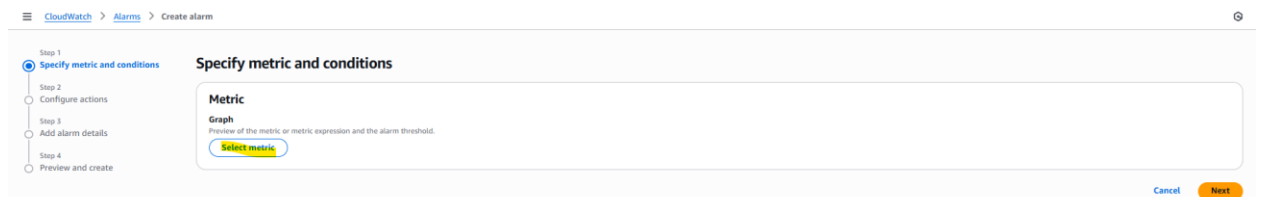
-----done-----

4) Create one alarm to send alert to email if the cpu utilization is more than 70 percent.

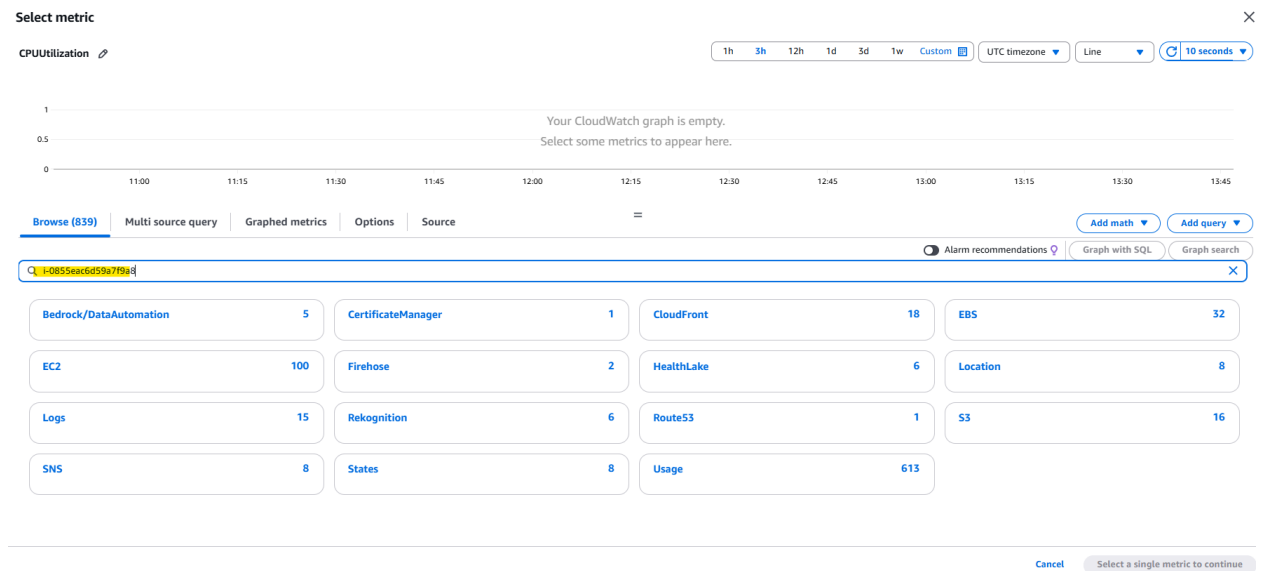
Goto CloudWatch service and select 'In alarm' and click on Create alarm:



Then click on Select metric:



Give your instance id and press enter:



And click on Ec2->Pre-instance-metrics:

Select metric

CPUUtilization

1h 3h 12h 1d 3d 1w Custom UTC timezone Line 10 seconds

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

Browse (19) Multi source query Graphed metrics Options Source

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

i-0855eac6d59a7f9a8

EC2 > Per-instance Metrics 19

Cancel Select a single metric to continue

Select your metric and click on 'select metric':

Select metric

CPUUtilization

1h 3h 12h 1d 3d 1w Custom UTC timezone Line 10 seconds

Percent

98.5
51.2
3.77

11:00 11:15 11:30 11:45 12:00 12:15 12:30 12:45 13:00 13:15 13:30 13:45

Browse (19) Multi source query Graphed metrics (1) Options Source

<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	EBSSByteBalance%	No alarms
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	EBSSWriteOps	No alarms
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	EBSSReadBytes	No alarms
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	EBSSReadOps	No alarms
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	EBSSWriteBytes	No alarms
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	EBSSIOBalance%	No alarms
<input checked="" type="checkbox"/>	test-server	i-0855eac6d59a7f...	CPUUtilization	1 alarm(s)
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	NetworkOut	No alarms
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	NetworkPacketsIn	No alarms
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	NetworkIn	No alarms
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	NetworkPacketsOut	No alarms
<input type="checkbox"/>	test-server	i-0855eac6d59a7f...	MetadataNoToken	No alarms

Cancel Select metric

Give your value here with condition:

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.

70

Must be a number.

Additional configuration

Cancel Next

Select your Notification type 'here select In alarm', and select your SNS topics[SNS topic is already created, if not then create topic and subscription]:

CloudWatch > Alarms > Create alarm

Alarm recommendations available
Turn on Recommendations to pre-populate the wizard with the recommended alarms.

Step 1: Specify metric and conditions
Step 2: **Configure actions**
Step 3: Add alarm details
Step 4: Preview and create

Configure actions

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.

Send a notification to the following 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 to notify other accounts

Send a notification to...

arn:aws:sns:us-east-1:931208605575:Alert

arn:aws:sns:us-east-1:931208605575:Alert

Email (endpoints)
shujath.devops@gmail.com - View in SNS Console

Add notification

Lambda action
Add Lambda action

Auto Scaling action
Add Auto Scaling action

EC2 action
Add EC2 action

Systems Manager action [Learn more](#)
This action will create an Incident or Opsitem in Systems Manager when the alarm is **In alarm** state.
Add Systems Manager action

Investigation action - new [Info](#)
This action will create an Investigation when the alarm is **In alarm** state.
Add investigation action

Cancel Previous **Next**

and click on Next:

CloudWatch > Alarms > Create alarm

Add alarm details

Name and description

Alarm name
cpu>70%

Alarm description - optional [View formatting guidelines](#)

Edit **Preview**

This is an H1
double asterisks will produce strong character
This is [an example](https://example.com/) inline link.

Up to 1024 characters (8/1024)

Tags - optional [Info](#)
No tags associated with the resource.
Add new tag
You can add up to 50 tags

Cancel Previous **Next**

And give the Alarm name:

CloudWatch > Alarms > Create alarm

Add alarm details

Name and description

Alarm name
cpu>70%

Alarm description - optional [View formatting guidelines](#)

Edit **Preview**

This is an H1
double asterisks will produce strong character
This is [an example](https://example.com/) inline link.

Up to 1024 characters (8/1024)

Tags - optional [Info](#)
No tags associated with the resource.
Add new tag
You can add up to 50 tags

Cancel Previous **Next**

Preview and create:

Whenever CPUUtilization is Greater (≥) than... 70

► Additional configuration

Step 2: Configure actions Edit

Actions

Notification
When in alarm, send a notification to "Alert"

Step 3: Add alarm details Edit

Alarm details

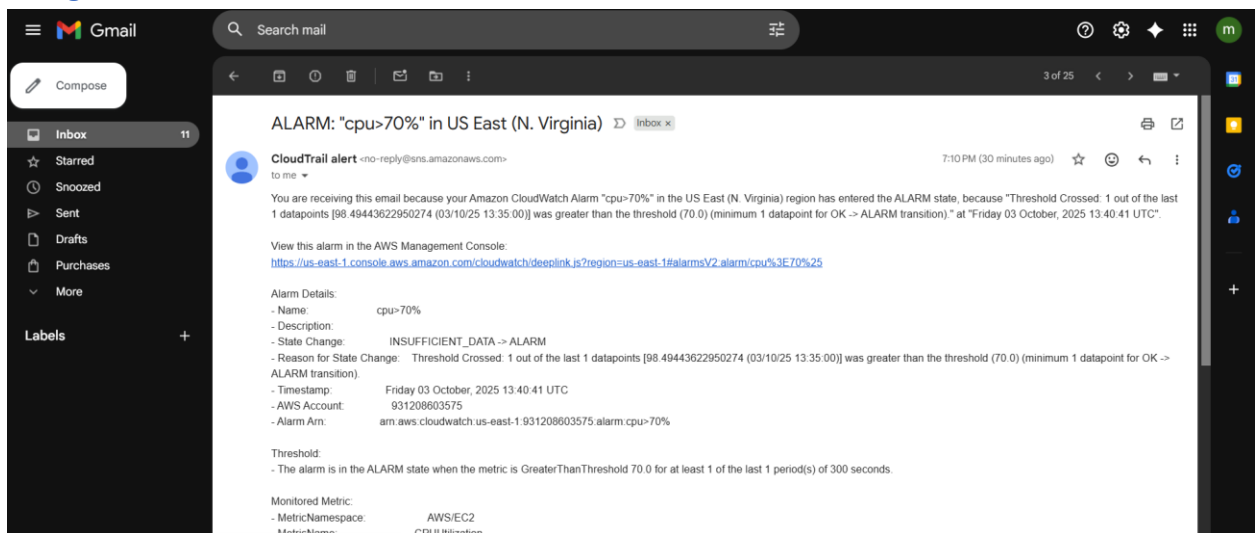
Name
cpu>70%

Description
-

► Tags (0)

Cancel Previous Create alarm

And goto email and check the alert:



-----done-----

5) Create Dashboard and monitor tomcat service whether it is running or not and send the alert.

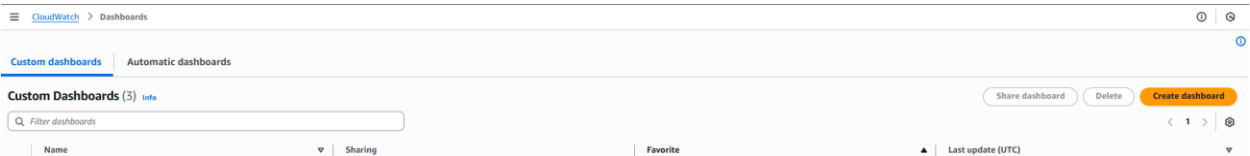
Install tomcat and all its dependencies.

Create a script to check the status of Tomcat:


```
[root@ip-172-31-30-63 ~]# cat monitor.sh
#!/bin/bash
# Check if Tomcat service is active
if systemctl is-active --quiet tomcat; then
    STATUS=1
else
    STATUS=0
fi
# Push custom metric to CloudWatch
aws cloudwatch put-metric-data \
  --namespace "TomcatMonitoring" \
  --metric-name "TomcatStatus" \
  --value $STATUS \
  --region us-east-1
```

Run the script

And create the dashboard in CloudWatch:



Create new dashboard

Dashboard name

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

[Cancel](#) [Create dashboard](#)

Select your required widget:

Add widget

Data sources types

☒ Cloudwatch

☐ Other content types

☐ Create data sources

Widget Configuration

Data type

Metrics

Logs

Alarms

Widget type

☐ Line

Compare metrics over time

☒ Number

Instantly see the latest value for a metric

75 %

☐ Stacked area

Compare the total over time

☐ Pie

Show percentage or proportional data

☐ Data table

Compare metrics values over time in a table

☐ Gauge

See the latest value of a metric within a range

☐ Bar

Compare categories of data

☐ Explorer

A single widget with multiple tag-based graphs

Cancel

Next

Select here the custom namespace i.e., tomcat:

Add metric graph

TomcatStatus

1h 3h 12h 1d 3d 1w Custom (1m)

UTC timezone

Number

10 seconds

Your CloudWatch graph is empty.

Select some metrics to appear here.

Browse (1,385)

Multi source query

Graphed metrics

Options

Source

N. Virginia

Alarm recommendations

Graph with SQL

Graph search

Custom namespaces

Custom/Nginx 1

TomcatMonitoring 1

AWS namespaces

Bedrock/DataAutomation 5

EBS 247

EC2 380

Firehose 2

Location 8

Logs 13

NATGateway 32

S3 2

SNS 2

States 4

TransitGateway 180

Usage 508

Cancel

Create widget

Add metric graph

TomcatStatus

1h 3h 12h 1d 3d 1w Custom (1m)

UTC timezone

Number

10 seconds

Your CloudWatch graph is empty.

Select some metrics to appear here.

Browse (1)

Multi source query

Graphed metrics

Options

Source

All > TomcatMonitoring

N. Virginia

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

Metrics with no dimensions 1

Persist time range

1h 3h 12h 1d 3d 1w Custom (1m)

UTC timezone

Number

10 seconds

0

Browse (1)

Multi source query

Graphed metrics (1)

Options

Source

All > TomcatMonitoring > Metrics with no dimensions

N. Virginia

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

1

Metric name 1/1

Alarms

TomcatStatus

No alarms

Cancel

Create widget

CloudWatch > Dashboards > tom1

tom1

1h 3h 12h 1d 3d 1w Custom (1m)

UTC timezone

10 seconds

Autosave: Off

Actions

Save

TomcatStatus

0

6) Create Dashboard and monitor nginx service to send the alert if nginx is not running.

Write a script to send the nginx status to cloudwatch:

```
#!/bin/bash

# Set region (update this)
AWS_REGION="us-east-1"

# Check if Nginx is running
if systemctl is-active --quiet nginx; then
    nginx_status=1
else
    nginx_status=0
fi

# Push custom metric to CloudWatch
/usr/bin/aws cloudwatch put-metric-data \
    --namespace "Custom/Nginx" \
    --metric-name "NginxRunning" \
    --dimensions "Service=Nginx" \
    --value "$nginx_status" \
    --unit Count \
    --region "$AWS_REGION"
```

And create a cronjob to send metric to every minute:

```
[root@ip-172-31-27-88 ~]# crontab -l
* * * * * /root/nginx.sh > /root/cron.log
```

Create Dashboard in CloudWatch :

Create new dashboard

Dashboard name

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

Cancel

Create dashboard

Add widget



Data sources types

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

Widget Configuration

Data type

- Metrics**
- Logs
- Alarms

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 **75 %**

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

☐ **Stacked area**
Compare the total over time

☐ **Bar**
Compare categories of data

☐ **Pie**
Show percentage or proportional data

☐ **Explorer**
A single widget with multiple tag-based graphs

Cancel

Next

Add metric graph

NgixRunning

1h 3h 12h 1d 3d 1w Custom (1m) UTC timezone Number 10 seconds

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

Browse (1,021) Multi source query Graphed metrics Options Source

N. Virginia

Alarm recommendations Graph with SQL Graph search

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

Custom namespaces

Custom/Nginx 1

AWS namespaces

EBS 221	EC2 340	Firehose 2	Logs 12
NATGateway 32	S3 2	TransitGateway 180	Usage 231

Cancel Create widget

Add metric graph

NginxRunning 

1h 3h 12h 1d 3d 1w Custom (1m) UTC timezone Number 10 seconds

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

Browse (1) Multi source query Graphed metrics Options Source

Add math Add query

All > Custom/Nginx

Alarm recommendations

Graph with SQL Graph search

N. Virginia

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

Service 1

Browse (1) Multi source query Graphed metrics Options Source

Service

N. Virginia

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

Service 1/1 Metric name Alarms

Nginx NginxRunning No alarms

CloudWatch Dashboards nginx_srv

nginx_srv

1h 3h 12h 1d 3d 1w Custom (1m) UTC timezone 10 seconds Actions Save



CloudWatch Dashboards nginx_service

nginx_service

1h 3h 12h 1d 3d 1w Custom (1m) UTC timezone 10 seconds Actions Save



-----completed-----