

## Create the cloud trail for capture the user activity

**Step 1 Choose trail attributes**

**General details**  
A trail created in the console is a multi-region trail. [Learn more](#)

**Trail name**  
Enter a display name for your trail.  
 3-128 characters. Only letters, numbers, periods, underscores, and dashes are allowed.

Enable for all accounts in my organization  
To review accounts in your organization, open AWS Organizations. [See all accounts](#)

**Storage location** [Info](#)  
 Create new S3 bucket  
Create a bucket to store logs for the trail.  
 Use existing S3 bucket  
Choose an existing bucket to store logs for this trail.

**CloudWatch Logs - optional**

**Additional settings**

- Log file validation [Info](#)  
 Enabled
- SNS notification delivery [Info](#)  
 Enabled

Logs will be stored in `aws-cloudtrail-logs-139681806065-015d67e9/AWSLogs/139681806065`

Emp Name:Sai Kumar

Cloudtail and cloudwatch

Emp Id:6778

## Choose all the log events

The screenshot shows the AWS Management Console interface for creating a CloudTrail. The top navigation bar includes 'AWS Management Console', 'Services', 'Search', and 'Mumbai'. The main content area is titled 'Create trail - CloudTrail'.

**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

[Policy document](#)

**Tags - optional** [Info](#)

You can add one or more tags to help you manage and organize your resources, including trails.

Key	Value - optional
<input type="text" value="Enter key"/>	<input type="text" value="Enter value"/>
<a href="#">Add tag</a>	

You can add 49 more tags.

[Cancel](#) [Next](#)

**Feedback** Looking for language selection? Find it in the new Unified Settings.

**Introducing CloudTrail Lake**: CloudTrail Lake lets you query multiple event fields in your logs, across all regions, for auditing and analysis. [Learn more](#).

**Step 1**: Choose trail attributes

**Step 2**: 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.

**Management events** [Info](#)

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

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Emp Id:6778

In data events select the s3

The screenshot shows the AWS Management Console interface for creating a CloudTrail. The top navigation bar includes the AWS logo, services menu, search bar, and user information (Mumbai, sai kumar). The main content area has two sections: 'Management events' and 'Data events'. The 'Management events' section contains a note: 'No additional charges apply to log management events on this trail because this is your first copy of management events.' It includes checkboxes for 'Read' (checked) and 'Write' (checked), and two optional checkboxes: 'Exclude AWS KMS events' and 'Exclude Amazon RDS Data API events'. The 'Data events' section contains a note: 'Additional charges apply' and 'Data events show information about the resource operations performed on or within a resource.' Below these sections, there's a note: 'Advanced event selectors are enabled. Use the following fields for fine-grained control over the data events captured by your trail.' A 'Switch to basic event selectors' button is available. Under 'Data event type', a dropdown menu is open, showing 'S3' selected. Other options include 'Log all events' and a 'Selector name - optional' field with placeholder text 'Enter a name'.

In insight events select the API call rate and API error rate then create the cloud trail

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The screenshot shows the 'Create trail - CloudTrail' wizard in the AWS Management Console. On the second step, 'Configure CloudTrail settings', the 'Logs' tab is selected. Under 'Log all events', the 'Selector name - optional' field is empty. Under 'Choose Insights types', 'API call rate' and 'API error rate' are selected. At the bottom, there are 'Cancel', 'Previous', and 'Next' buttons.

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4:38 PM 1/16/2023

Cloud trail is created in **ap south-1 Mumbai Region**

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The screenshot shows the AWS Management Console with the 'Trails - CloudTrail' tab selected. The page displays a single CloudTrail entry:

Name	Home region	Multi-region trail	Insights	Organization trail	S3 bucket	Log file prefix	CloudWatch Logs log group	Status
cloudtrailtocapturesreuseractivity	Asia Pacific (Mumbai)	Yes	Enabled	No	aws-cloudtrail-logs-139681806065-015d67e9		Logging	

## Create the one ec2 instance

The screenshot shows the AWS Management Console with the 'Launch an instance | EC2 Manager' tab selected. The 'Launch an instance' wizard is open, showing the following configuration:

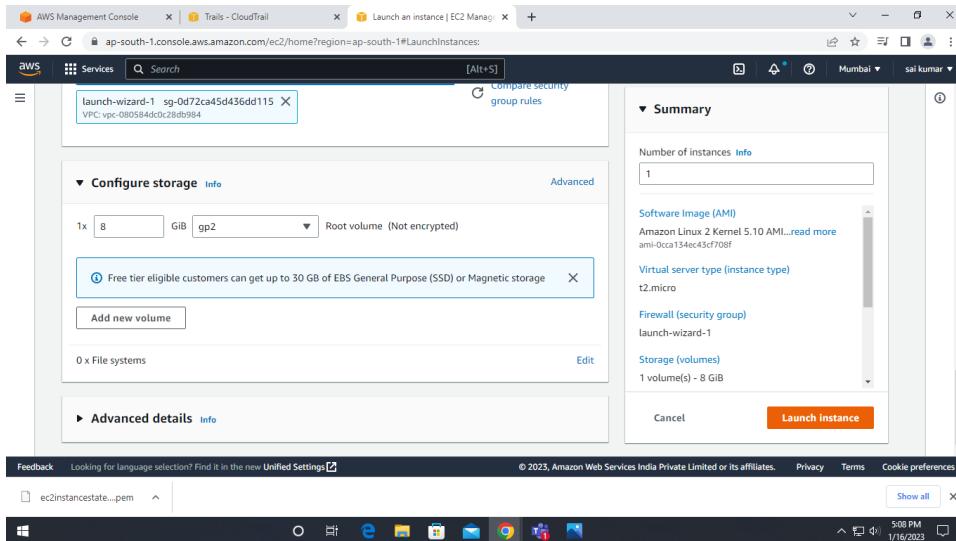
- Summary:** Number of instances: 1
- Software Image (AMI):** Amazon Linux 2 Kernel 5.10 AMI... (ami-0ccaa134ec43fd70ff)
- Virtual server type (instance type):** t2.micro
- Firewall (security group):** New security group
- Storage (volumes):** 1 volume(s) - 8 GiB
- Launch instance** button

Select the security group, create key pair then launch the instance

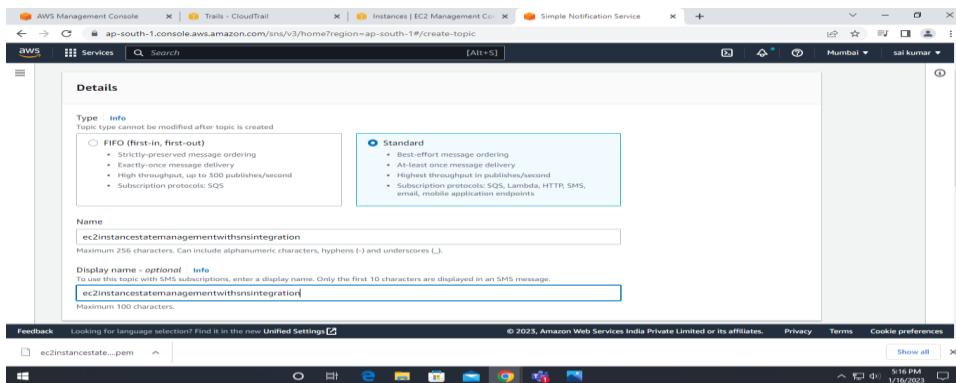
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## Cloudtail and cloudwatch

Emp Id:6778



### Create the topic in SNS



Created the topic and then create the SNS subscription

Emp Name:Sai Kumar

## Cloudtail and cloudwatch

Emp Id:6778

The screenshot shows the AWS Management Console interface for creating an SNS topic. The top navigation bar includes tabs for AWS Management Console, Trails - CloudTrail, Instances | EC2 Management Con..., Simple Notification Service, and other services like CloudWatch Metrics and CloudWatch Logs.

The main content area displays four optional policy sections:

- Data protection policy - optional**: This policy defines which sensitive data to monitor and to prevent from being exchanged via your topic.
- Delivery retry policy (HTTP/S) - optional**: The policy defines how Amazon SNS retries failed deliveries to HTTP/S endpoints. To modify the default settings, expand this section.
- Delivery status logging - optional**: These settings configure the logging of message delivery status to CloudWatch Logs.
- Tags - optional**: A tag is a metadata label that you can assign to an Amazon SNS topic. Each tag consists of a key and an optional value. You can use tags to search and filter your topics and track your costs. [Learn more](#)

At the bottom right of the configuration window are two buttons: **Cancel** and **Create topic**.

Below the configuration window, the browser's address bar shows the URL: `ap-south-1.console.aws.amazon.com/sns/v3/home?region=ap-south-1#topic/armawsessnsap-south-1:139681806065ec2instancestatemanagementwithsnsintegration`. The status bar at the bottom indicates the date and time: 5:16 PM 1/16/2023.

The screenshot also shows the "Amazon SNS" service page for the newly created topic. The left sidebar lists **Topics** (selected), Subscriptions, Mobile, Push notifications, Text messaging (SMS), and Origination numbers. The main panel displays the topic details:

Name	Display name
ec2instancestatemanagementwithsnsintegration	ec2instancestatemanagementwithsnsintegration

Topic ARN: `arn:aws:sns:ap-south-1:139681806065:ec2instancestatemanagementwithsnsintegration`

Type: Standard

Below the details, there are tabs for **Subscriptions**, **Access policy**, **Data protection policy**, **Delivery retry policy (HTTP/S)**, and **Delivery status logging**. The **Subscriptions** tab is selected, showing a table with one entry:

Subscription ID	Endpoint	Protocol	Created	Last modified	Delivery status	Delivery attempt count	Delivery error count	Delivery error type	Delivery error message
1	ec2instancestate...pm	HTTP	5:16 PM	5:16 PM	Success	0	0		

Actions for the subscription include **Edit**, **Delete**, **Request confirmation**, **Confirm subscription**, and **Create subscription**.

Created the SNS subscription

Emp Name:Sai Kumar

## Cloudtail and cloudwatch

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Details

Topic ARN  
arn:aws:sns:ap-south-1:139681806065:ec2instancestatemanagementwithsnsintegration

Protocol  
The type of endpoint to subscribe  
Email

Endpoint  
An email address that can receive notifications from Amazon SNS.  
saikumar.vermula@wisseninfotech.com

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

Subscription filter policy - optional [Info](#)

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Show all [X](#)

AWS Management Console | Trails - CloudTrail | Instances | EC2 Management Con... | Simple Notification Service | + | Mumbai | sai kumar |

5:17 PM 1/16/2023

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.

Create subscription

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Show all [X](#)

AWS Management Console | Trails - CloudTrail | Instances | EC2 Management Con... | Simple Notification Service | + | Mumbai | sai kumar |

5:17 PM 1/16/2023

Confirm the subscription

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Emp Id:6778

The screenshot shows an email in Microsoft Outlook from 'ec2instancestatemanagementwithsns...' to 'Sai Kumar Vemula'. The subject is 'AWS Notification - Subscription Confirmation'. The email contains a caution message: 'CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.' It also includes a link to 'Confirm subscription'.

The screenshot shows a confirmation page for AWS Simple Notification Service. The title is 'Subscription confirmed!'. It states: 'You have successfully subscribed.' Below that, it shows the ARN of the subscription: 'Arn:aws:sns:ap-south-1:139681806065:ec2instancestatemanagementwithsnsintegration;TopicArn=arn:aws:sns:ap-south-1:139681806065:ec2instancestatemanagementwithsnsintegration&SubscriptionId=' followed by a long ID. At the bottom, there is a link: 'If it was not your intention to subscribe, [click here to unsubscribe](#)'.

Then go to the CloudWatch create the Rule

Emp Name:Sai Kumar

## Cloudtail and cloudwatch

Emp Id:6778

The screenshot shows the AWS Management Console interface. The top navigation bar includes tabs for AWS Management Console, Trails - CloudTrail, Instances | EC2 Management, Simple Notification Service, and CloudWatch Management. The main content area is titled "Event Source" under the "CloudWatch" service. On the left, a sidebar lists various CloudWatch services: Alarms, Logs, Metrics, X-Ray traces, Events, Rules, Application monitoring, and Insights. Under the "Events" section, there is a link to "Create new rule". The main panel displays the configuration for a new event rule. The "Event Pattern" section is set to "Build event pattern to match events by service" for "EC2" with "EC2 Instance State-change Notification". The "Any state" option is selected. The "Event Pattern Preview" shows the JSON pattern: { "source": [ "aws.ec2" ] }. The "Targets" section shows a target for an "SNS topic" named "ec2instancestatemanagementwithsnsintegration". A "Topic\*" dropdown is set to "ec2instancestatemanagementwithsnsintegration". A "Configure input" link is present. A "Add target" button is available. The status bar at the bottom indicates the time as 5:19 PM on 1/16/2023.

Created the rule through cloudwatch

Emp Name:Sai Kumar

Cloudtail and cloudwatch

Emp Id:6778

The screenshot shows two consecutive screenshots of the AWS CloudWatch Management Console.

**Screenshot 1: Step 2: Configure rule details**

- Left Panel:** Shows the CloudWatch navigation menu with "Rules" selected.
- Form Fields:**
  - Name:** ec2instancestatemanagemen
  - Description:** ec2instancestatemanagementwithsnsintegration
  - State:**  Enabled
- Note:** "CloudWatch Events will add necessary permissions for target(s) so they can be invoked when this rule is triggered."
- Buttons:** Cancel, Back, Create rule

**Screenshot 2: Success**

- Success Message:** Rule ec2instancestatemanagementwithsnsintegration was created.
- Information Message:** CloudWatch Events is now Amazon EventBridge. It provides all functionality from CloudWatch Events and also launched new features such as Custom event buses, 3rd party event sources and Schema registry to better support our customers in the space of event-driven architecture and applications. [Amazon EventBridge documentation](#)
- Rules Section:** Shows the newly created rule in a table:

Status	Name	Description
Green	ec2instancestatemanagementwithsnsintegration	ec2instancestatemanagementwithsnsintegration

Then stop the ec2 instance then mail triggered to given mail account it shows the initially stopping state then goes to the stopped state

**AWS Notification Message**

To: Saikumar Vemula

Mon 16/01/2023 17:25

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

{"version":"0","id":"070207a1-ce0b-eddb-b281-ca7859e2094","detail-type":"EC2 Instance State-change Notification","source":"aws.ec2","account":"139681806065","time":"2023-01-16T11:55:42Z","region":"ap-south-1","resources":["arn:aws:ec2:ap-south-1:139681806065:instance/i-06d014e11dd31a782"],"detail":{"instance-id":"i-06d014e11dd31a782","state":"stopping"}}

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:  
<https://sns.ap-south-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:ap-south-1:139681806065:ec2instancestatemanagementwithsnsintegration:f5ab23d-e7c4-4c54-a590-6c64e3a4c0f4&Endpoint=saikumar.vemula@wisseninfotech.com>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

**AWS Notification Message**

To: Saikumar Vemula

Mon 16/01/2023 17:26

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

{"version":"0","id":"feef2a3f-efff-1e91-103e-be10a63afbd5","detail-type":"EC2 Instance State-change Notification","source":"aws.ec2","account":"139681806065","time":"2023-01-16T11:56:07Z","region":"ap-south-1","resources":["arn:aws:ec2:ap-south-1:139681806065:instance/i-06d014e11dd31a782"],"detail":{"instance-id":"i-06d014e11dd31a782","state":"stopped"}}

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:  
<https://sns.ap-south-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:ap-south-1:139681806065:ec2instancestatemanagementwithsnsintegration:f5ab23d-e7c4-4c54-a590-6c64e3a4c0f4&Endpoint=saikumar.vemula@wisseninfotech.com>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

Then start the ec2 instance mail triggered to given account ii shows the pending state then goes to the running state

Emp Name:Sai Kumar

## Cloudtail and cloudwatch

Emp Id:6778

The screenshot shows the Microsoft Outlook inbox interface. The left sidebar lists 'Folders' including 'Inbox' (2 items), 'Sent Items', 'Deleted Items' (2 items), 'Junk Email', 'Archive', 'Notes', 'Conversation ...', 'Groups', and 'New group'. The main pane displays an 'AWS Notification Message' from 'ec2instancemanagementwithsnsintegration <no-reply@sns.amazonaws.com>' to 'Sai Kumar Vemula' on Monday, 16/01/2023 at 17:27. The message subject is 'AWS Notification Message'. It contains several notifications:

- ec2instancemanagementwithsnsintegration AWS Notification Message - 17:27 CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.
- ec2instancemanagementwithsnsintegration AWS Notification Message - 17:26 CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.
- ec2instancemanagementwithsnsintegration AWS Notification Message - 17:25 CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.
- ec2instancemanagementwithsnsintegration AWS Notification - Subscription... - 17:17 CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.
- Events Wissen Premier League - 20th ... - 16:52 Hello all. The much-awaited Wissen Pr...
- Microsoft Reactor Bengaluru Just scheduled: Migrate you... - 14:29 CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

At the bottom of the message, there is a link to unsubscribe: <https://sns.ap-south-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:ap-south-1:139681806065:ec2instancemanagementwithsnsintegration:f5ab23d-e7c4-4c54-a590-6c64e3a4c04&Endpoint=saiumar.vemula@wisseninfotech.com>.

This screenshot is identical to the one above, showing the Microsoft Outlook inbox with the same list of notifications from 'ec2instancemanagementwithsnsintegration' and the same unsubscribe link.

Go to the cloudwatch click on metrics select the ec2 instance according to cpu utilization

Emp Name:Sai Kumar

## Cloudtail and cloudwatch

Emp Id:6778

The screenshot shows the AWS CloudWatch Metrics interface. At the top, there are tabs for 'Browse' (selected), 'Query', 'Graphed metrics', 'Options', and 'Source'. Below this, a search bar is present with the placeholder 'Search for any metric, dimension, resource id or account id'. A dropdown menu shows 'Mumbai' selected. The main area displays a grid of service metrics:

Service	Metric Type	Count	Action
ApplicationELB	Metrics	76	View automatic dashboard
EBS	Metrics	99	View automatic dashboard
EC2	Metrics	187	View automatic dashboard
Events	Metrics	6	View automatic dashboard
Firehose	Metrics	2	
IAM	Metrics	2	
Network & VPC	Metrics	157	
SNS	Metrics	1	

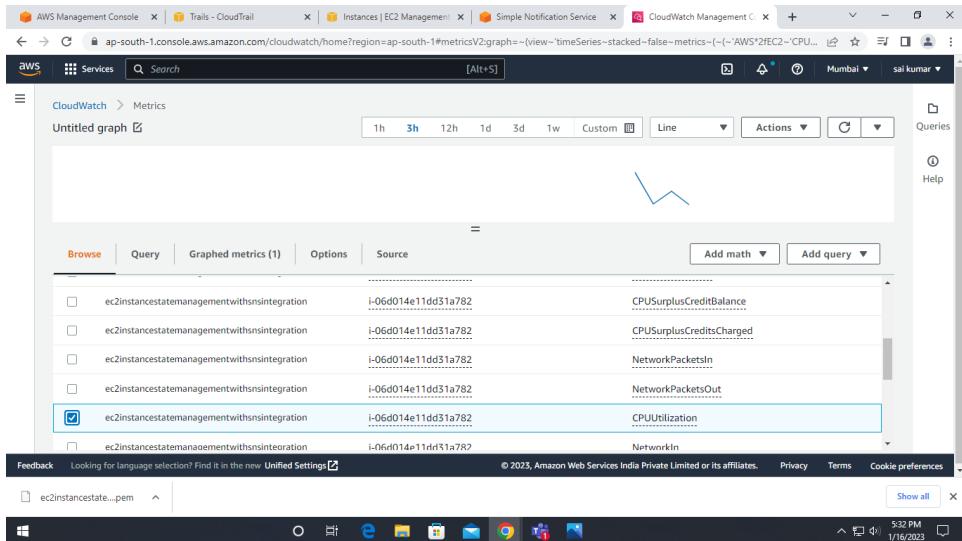
The screenshot shows the AWS CloudWatch Metrics interface with the 'EC2' service selected in the navigation bar. The 'Metrics' tab is selected. The main area displays a grid of metrics under the 'EC2' category:

Metric Type	Count	Action
Per-Instance Metrics	187	

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Cloudtail and cloudwatch

Emp Id:6778



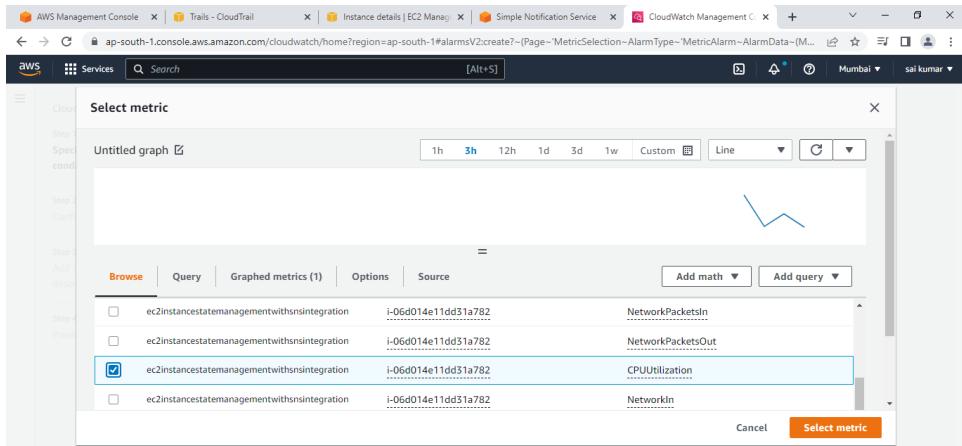
Select the alarm fill the all the steps step by step

The screenshot shows the 'Specify metric and conditions' step of the CloudWatch Alarms creation wizard. On the left, a sidebar lists steps: Step 1 (selected), Step 2, Step 3, and Step 4. The main area has a 'Metric' section with a 'Select metric' button. A 'Graph' preview is shown below it. At the bottom right are 'Cancel' and 'Next' buttons.

Emp Name:Sai Kumar

## Cloudtail and cloudwatch

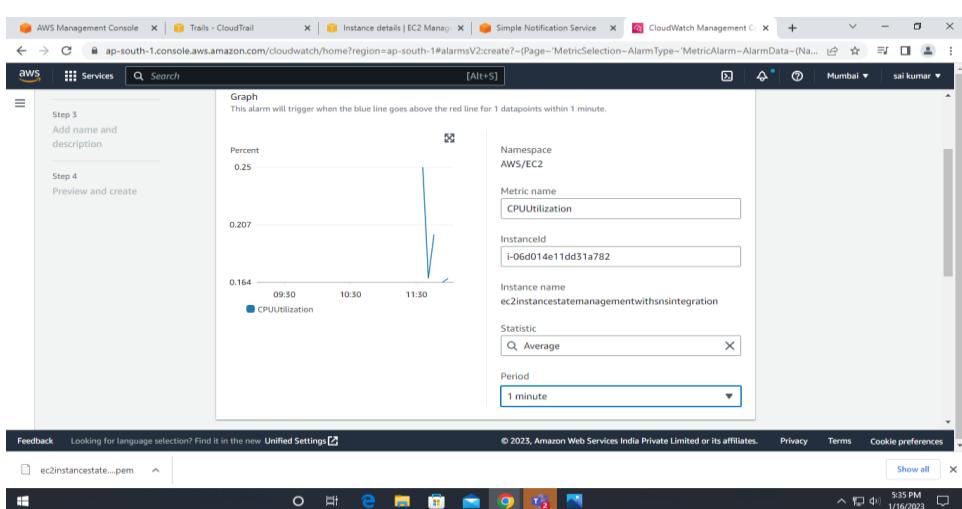
Emp Id:6778



The screenshot shows the 'Select metric' dialog box. It displays a graph titled 'Untitled graph' with two data series: 'CPUUtilization' and 'NetworkIn'. The CPUUtilization series is highlighted with a blue border. Below the graph, there are tabs for 'Browse', 'Query', 'Graphed metrics (1)', 'Options', and 'Source'. The 'Graphed metrics (1)' tab is selected. A list of metrics is shown, with 'CPUUtilization' being the selected item. The list includes:

Metric	Instance ID	Namespace
i-06d014e11dd31a782	CPUUtilization	AWS/Ec2
i-06d014e11dd31a782	NetworkPacketsIn	
i-06d014e11dd31a782	NetworkPacketsOut	
i-06d014e11dd31a782	NetworkIn	
i-06d014e11dd31a782	NetworkOut	

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The screenshot shows the 'Step 3' section of the 'Create alarm' wizard. It displays a graph titled 'Graph' showing CPUUtilization over time. A red horizontal line at approximately 0.25 represents the threshold, and a blue line represents the actual metric value. The graph shows a sharp spike above the threshold around 11:30. The configuration fields are as follows:

- Namespaces**: AWS/Ec2
- Metric name**: CPUUtilization
- Instance ID**: i-06d014e11dd31a782
- Instance name**: ec2instancestatemanagementwithsnsintegration
- Statistic**: Average
- Period**: 1 minute

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## Cloudtail and cloudwatch

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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.

15

Must be a number

Additional configuration

Cancel **Next**

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ec2instancestate...pem

5:36 PM 1/16/2023

Step 3 Add name and description

Step 4 Preview and create

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.

Remove

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...

ec2instancestatemanagementwithsnsintegraz [\[x\]](#)

Only email lists for this account are available.

Email (endpoints)

sai.kumar.vemula@wisseninfotech.com - View in SNS Console [\[x\]](#)

Add notification

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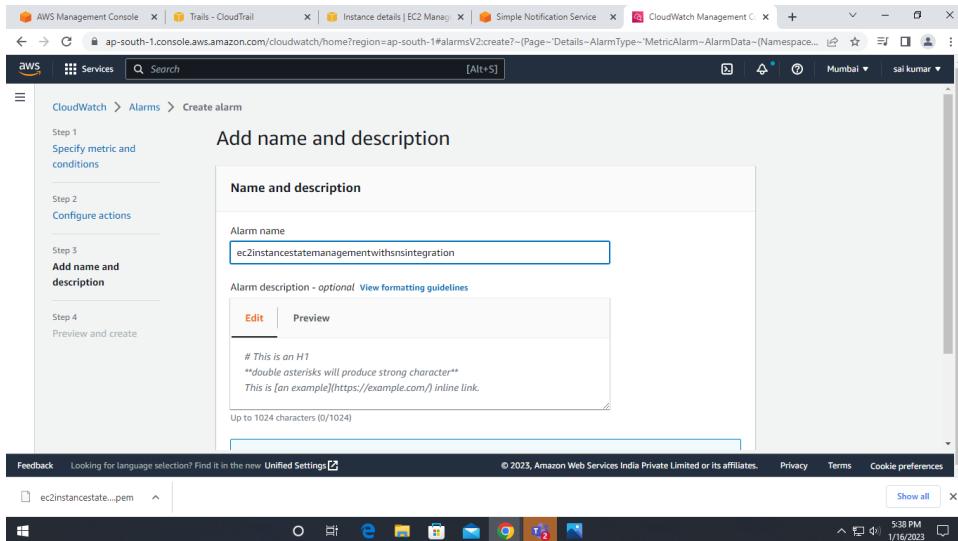
ec2instancestate...pem

5:37 PM 1/16/2023

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## Cloudtail and cloudwatch

Emp Id:6778



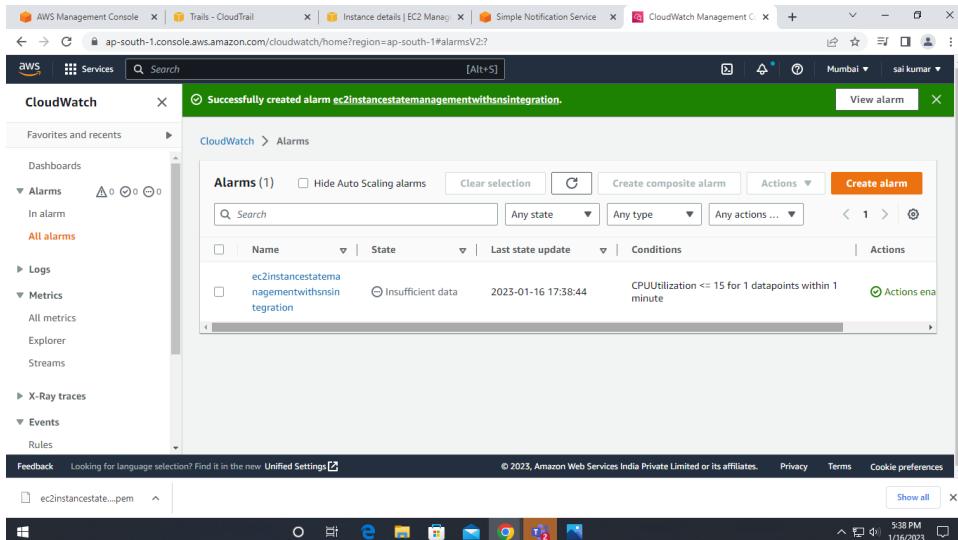
The screenshot shows the AWS CloudWatch Metrics Metrics Insights interface. A log stream named 'ec2instancestate...pem' is displayed. The log entries show the state transition of an EC2 instance from 'running' to 'terminated'. The first entry is:

```
2023-01-16T17:38:44+00:00 -> /var/log/syslog CPUUtilization <= 15 for 1 datapoints within 1 minute
```

The second entry is:

```
2023-01-16T17:38:44+00:00 -> /var/log/syslog CPUUtilization <= 15 for 1 datapoints within 1 minute
```

Finally created the alarm



The screenshot shows the AWS CloudWatch Alarms interface. A success message at the top states: "Successfully created alarm ec2instancestatemanagementwithsnsintegration." Below it, the "Alarms (1)" section displays a single alarm named "ec2instancestatemanagementwithsnsintegration". The alarm details are as follows:

Name	State	Last state update	Conditions
ec2instancestatemanagementwithsnsintegration	Insufficient data	2023-01-16 17:38:44	CPUUtilization <= 15 for 1 datapoints within 1 minute

Connct the ec2 instance the excute the all commands step by step

```

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-5-112 ~]$ sudo yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
No packages marked for update
[ec2-user@ip-172-31-5-112 ~]$ sudo amazon-linux-extras install epel -y
Installing epel-release
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-epel amzn2extra-kernel-5.10
0 packages marked for removal
6 sqlite files removed
0 metadata files removed
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
amzn2extra-docker
amzn2extra-epel

```

i-06d014e11dd31a782 (ec2instancestatemanagementwithsnsintegration)  
PublicIPs: 52.66.240.87 PrivateIPs: 172.31.5.112

After applying the stress command we can observe the graph the threshold value is crossed we can see in graph

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```
aws Services Search [Alt+S] Mumbai sal kumar
55 kernel-5.10+latest enabled [ *stable ]
56 redis6 available [ *stable ]
57 ruby27 available [ *stable ]
58 postgresql12 available [ *stable ]
59 postgresql13 available [ *stable ]
60 mock2 available [ *stable ]
61 mariadb2.85 available [ *stable ]
62 kernel-5.15 available [ *stable ]
63 postgresql14 available [ *stable ]
64 firebox available [ *stable ]
65 lumen available [ *stable ]
66 php8.0 available [ *stable ]
67 awscli available [ *stable ]
[root@ip-172-31-5-112 ~]# yum install stress
Loaded plugins: extras suggestions, langpacks, priorities, update-motd
215 packages excluded due to repository priority protections
Resolving Dependencies
--> Resolution check
--> Package stress.x86_64 0:1.0.4-16.el7 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

i-06d014e11dd31a782 (ec2instancestatemanagementwithsnsintegration)
PublicIPs: 52.66.240.87 PrivateIPs: 172.31.5.112

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ec2instancestate...pem

aws Services Search [Alt+S] Mumbai sal kumar
Package : rpm-release-7-11.noarch (amazon2extra-apel)
From : /etc/pki/rpm-gpg/RPM-GPG-KEY-EPEL-7
Running transaction check
Running transaction test
--> Transaction Succeeded
Running transaction
  Installing : stress-1.0.4-16.el7.x86_64
  Verifying : stress-1.0.4-16.el7.x86_64

Installed:
  stress.x86_64 0:1.0.4-16.el7

Complete!
[root@ip-172-31-5-112 ~]# sudo stress --cpu 10 -v --timeout 400s
stress: info: [3773] dispatching hogs: 10 cpu, 0 io, 0 vm, 0 hdd
stress: debug: [3773] using backoff sleep of 30000us
stress: debug: [3773] setting total time to 400000ms
stress: debug: [3773] -> hogcpu worker 10 [3774] forked
stress: debug: [3773] using backoff sleep of 27000us
stress: debug: [3773] -> hogs timer set to 400000ms
stress: debug: [3773] -> hogs worker 9 [3775] forked
stress: debug: [3773] using backoff sleep of 24000us

i-06d014e11dd31a782 (ec2instancestatemanagementwithsnsintegration)
PublicIPs: 52.66.240.87 PrivateIPs: 172.31.5.112

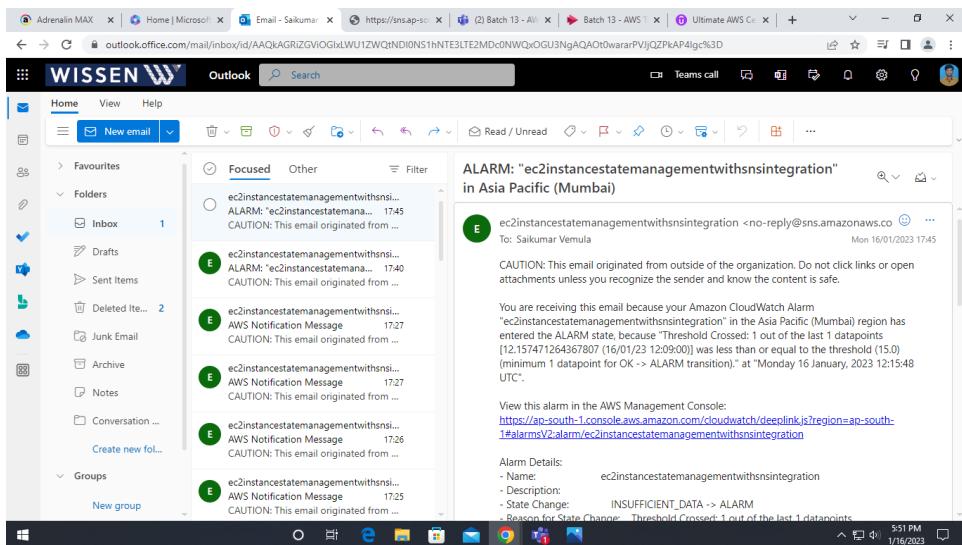
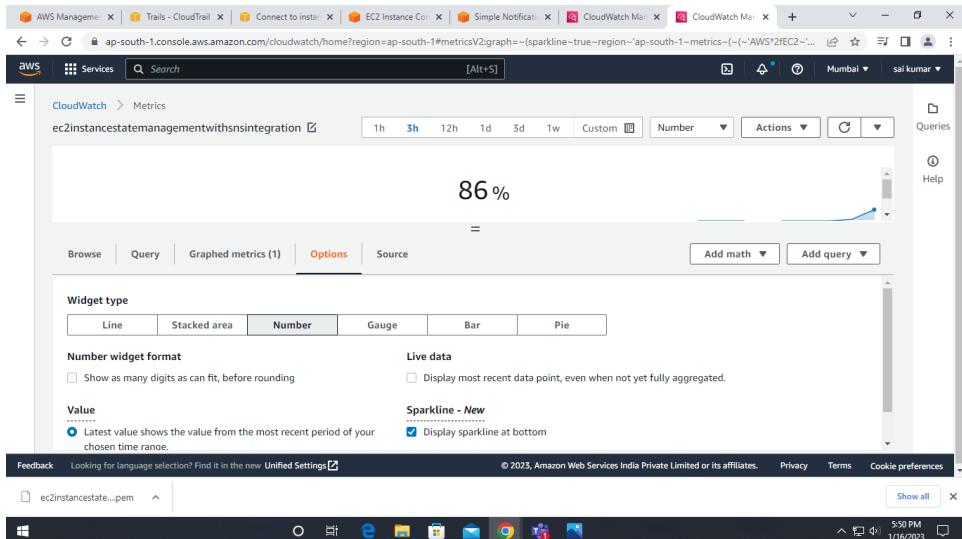
Feedback Looking for language selection? Find it in the new Unified Settings [Alt+S] © 2025, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences Show all
ec2instancestate...pem
```

Once the threshold value is crossed in graph then the mail is triggered to given account

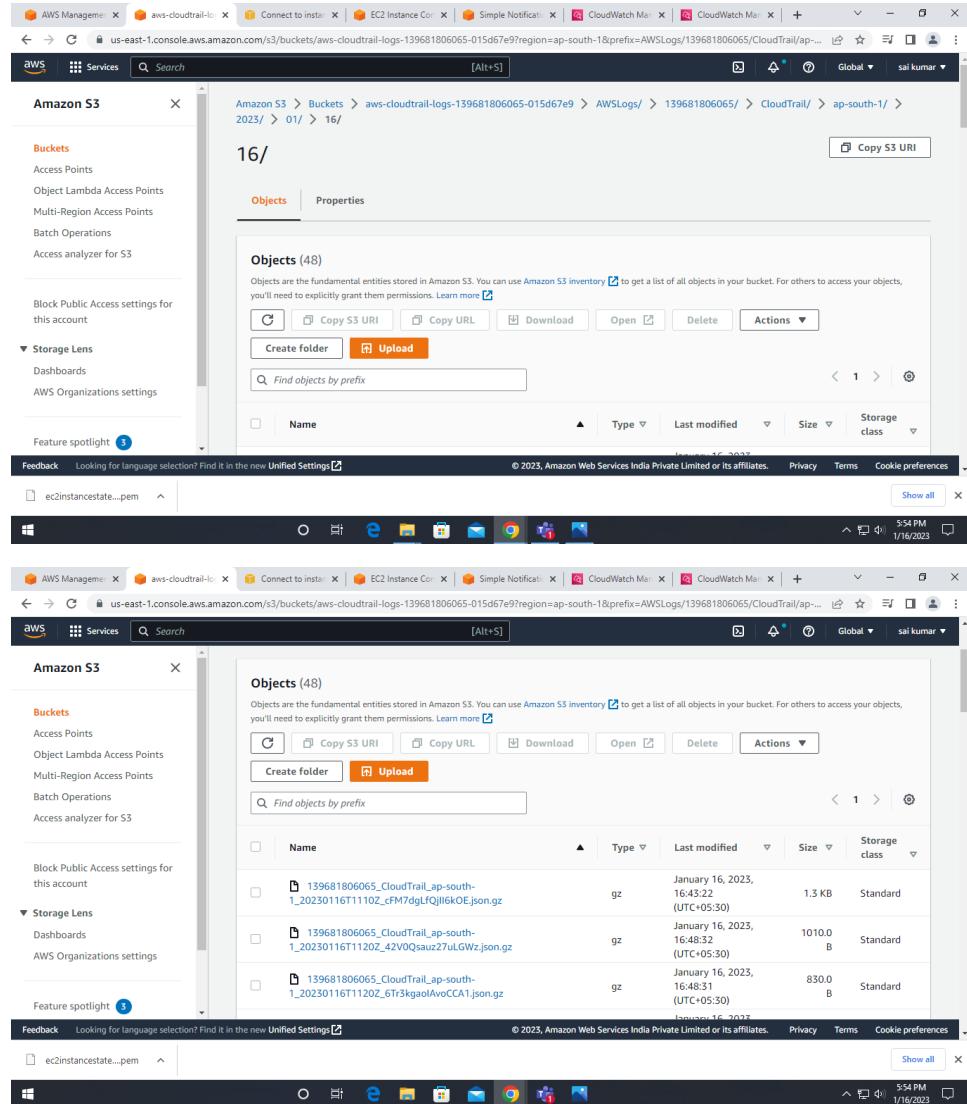
Emp Name:Sai Kumar

## Cloudtail and cloudwatch

Emp Id:6778



Finally go the clouptrail then observe the all the activities what we have done from starting to ending all the logs are captured by the clouptrail.



The screenshot shows two consecutive screenshots of the AWS CloudTrail logs in an S3 bucket. The top screenshot shows a large number of log objects (48) listed in the 'Objects' tab. The bottom screenshot shows a subset of three specific log files, each with a timestamp of January 16, 2023, and a size of 1.3 KB, 1010.0 B, and 830.0 B respectively. The log file names include CloudTrail logs for different regions and times.

Name	Type	Last modified	Size	Storage class
139681806065_CloudTrail_ap-south-1_20230116T11102_cfM7dLfqJ6l6OE.json.gz	gz	January 16, 2023, 16:43:22 (UTC+05:30)	1.3 KB	Standard
139681806065_CloudTrail_ap-south-1_20230116T1202_42VOQsauz27uLGWz.json.gz	gz	January 16, 2023, 16:48:31 (UTC+05:30)	1010.0 B	Standard
139681806065_CloudTrail_ap-south-1_20230116T1202_6Tr5kgaoIAvoCCA1.json.gz	gz	January 16, 2023, 16:48:31 (UTC+05:30)	830.0 B	Standard

Emp Name:Sai Kumar

Cloudtail and cloudwatch

Emp Id:6778

All the user activity stored in s3 bucket these log information user can not understand the code. Then select the log and download the log information then convert the Json format for user understanding purpose.

The screenshot shows the AWS S3 console interface. On the left, there's a sidebar with 'Amazon S3' selected. Under 'Buckets', it lists 'aws-cloudtrail-logs-139681806065'. In the main area, a specific object is selected: '139681806065\_CloudTrail\_ap-south-1\_20230116T1225Z\_YGkr2cr3LS8X19gv.json.gz'. The 'Properties' tab is active, showing details like the owner (361bd212fc9fc14028f71099415497160d1c4521906aba4ef590b0fab39151b), AWS Region (Asia Pacific (Mumbai) ap-south-1), and S3 URI ([https://aws.cloudtrail-logs-139681806065-015d67e9/AWSLogs/139681806065/CloudTrail/ap-south-1/2023/01/16/139681806065\\_CloudTrail\\_ap-south-1\\_20230116T1225Z\\_YGkr2cr3LS8X19gv.json.gz](https://aws.cloudtrail-logs-139681806065-015d67e9/AWSLogs/139681806065/CloudTrail/ap-south-1/2023/01/16/139681806065_CloudTrail_ap-south-1_20230116T1225Z_YGkr2cr3LS8X19gv.json.gz)). Below the properties, there's an 'Object overview' section with a table:

Key	Value
S3 URI	<a href="https://aws.cloudtrail-logs-139681806065-015d67e9/AWSLogs/139681806065/CloudTrail/ap-south-1/2023/01/16/139681806065_CloudTrail_ap-south-1_20230116T1225Z_YGkr2cr3LS8X19gv.json.gz">https://aws.cloudtrail-logs-139681806065-015d67e9/AWSLogs/139681806065/CloudTrail/ap-south-1/2023/01/16/139681806065_CloudTrail_ap-south-1_20230116T1225Z_YGkr2cr3LS8X19gv.json.gz</a>
Amazon Resource Name (ARN)	<a href="#">arn:aws:s3:::aws-cloudtrail-logs-139681806065::139681806065_CloudTrail_ap-south-1_20230116T1225Z_YGkr2cr3LS8X19gv.json.gz</a>

At the bottom of the page, there are links for 'Feedback', 'Privacy', 'Terms', and 'Cookie preferences'. The status bar at the bottom right shows '5:56 PM 1/16/2023'.