



Understanding CloudTrail and Why is it Important?

How does CloudTrail work?

What you can analyze with CloudTrail data? CloudTrail features?

Let's compare CloudWatch and CloudTrail?

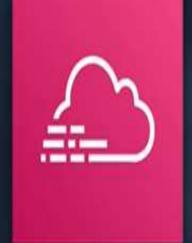
Hands on demo.

Timelines in the Description

AWS CLOUDTRAIL

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account.





Do you have the need to track the API calls for one or more AWS accounts? If so, the new AWS CloudTrail service is for you.

What you can analyze with CloudTrail data?

Question 1

What actions did a given user take over a specific time period?

Question 2

For a given resource, which AWS user has taken action on it over a given time period?

Question 3

What is the source IP address of a particular activity?

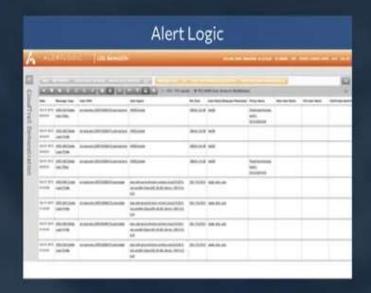
Link for Newly added support for CloudTrail

https://forums.aws.amazon.com/forum.jspa?forumID=168

There's no charge for CloudTrail; you will pay the usual S3 and SNS charges to store the data and to receive the notifications.

A Few CloudTrail Partners













CLOUDTRAIL FEATURES

Always on/Event history

1

AWS CloudTrail is enabled on all AWS accounts and records your account activity upon account creation. Keep track of what's going on with the insights you get with the data.

Multi-region configuration

2

Using aggregating log files in S3, with CloudTrail, you can get logs from multiple regions to a single Amazon S3 bucket for a single account

Log file integrity validation/encryption



With SHA-256 for hashing and SHA-256 with RSA for digital signing, CloudTrail makes it secure enough that the logs can never be edited without detection. Use SSE and KMS for encryption.

CloudTrail Insights



Identify unusual activity in your AWS accounts, such as spikes in resource provisioning, bursts of AWS Identity and Access Management (IAM) actions, or gaps in periodic maintenance activity.

CLOUD WATCH VS CLOUDTRAIL





AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account.

With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure.







Monitor

Monitor your applications health with awesome CloudWatch Dashboard and setting up alarms with CloudWatch alerts.



Act/Event

You can Act by automating your Autoscaling process with CloudWatch Events.



Analyse

Perform Realtime analysis using Alerts and CloudWatch Metric Math



Application Monitoring



System-Wide Visibility



Resource Optimization



Unified Operational

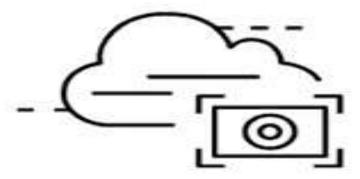
Health

CloudWatch collects monitoring and operational data in the form of logs, metrics, and events, and visualizes it using automated dashboards

so you can get a unified view of your AWS resources, applications, and services that run in AWS and on-premises.



How it works



Capture

Record activity in AWS services as AWS CloudTrail events



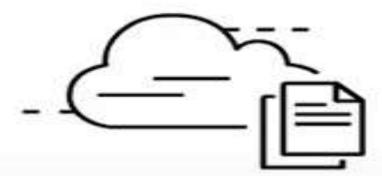
Act

Use Amazon CloudWatch Alarms and Events to take action when important events are detected



Store

AWS CloudTrail delivers events to the AWS CloudTrail console, Amazon S3 buckets, and optionally Amazon CloudWatch Logs



Review

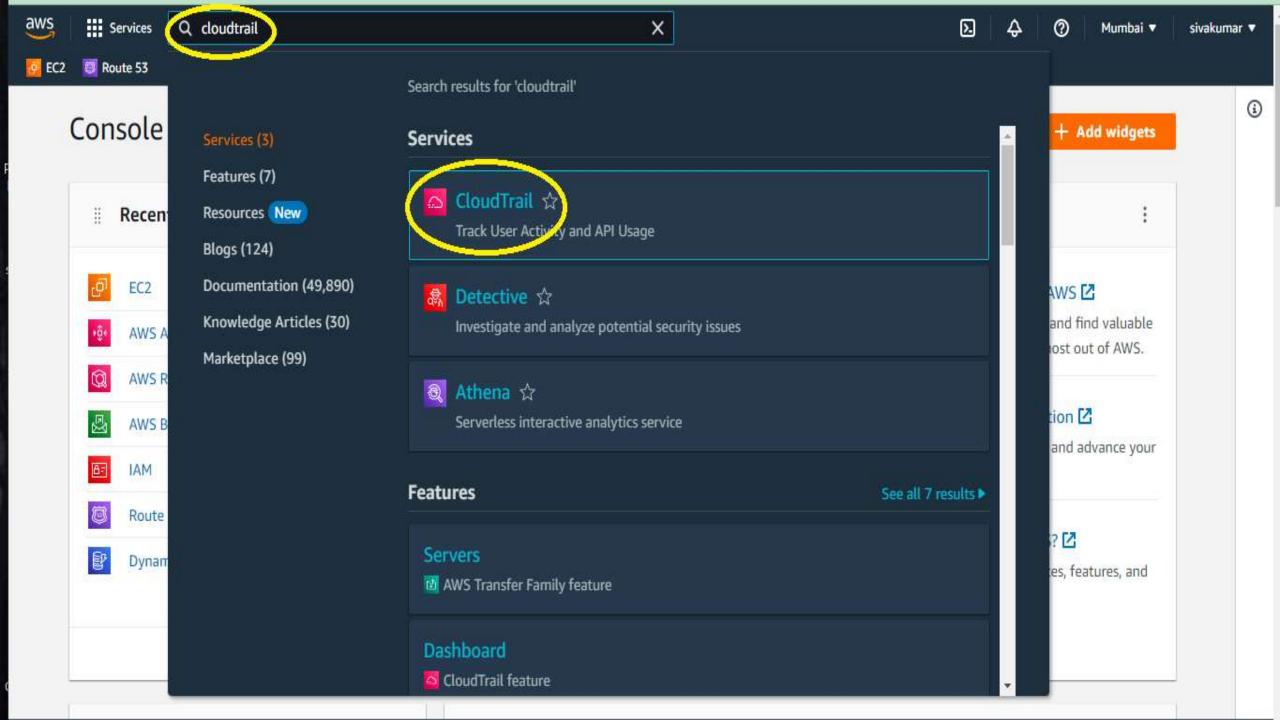
View recent events in the AWS CloudTrail console, or analyze log files with Amazon Athena



AWS CLOUDTRAIL

DEMO





AWS CloudTrail Continuously log your AWS account activity

Use CloudTrail to meet your governance, compliance, and auditing needs for your AWS accounts.

Create a trail with AWS CloudTrail

Get started with AWS CloudTrail by creating a trail to by your AWS account activity.

Create a trail

How it works



Capture

Record activity in AWS services as AWS CloudTrail events



Store

AWS CloudTrail delivers events to the AWS CloudTrail console, Amazon S3 buckets, and optionally Amazon CloudWatch Logs





Pricing [2]

Pricing

Getting started <a>I

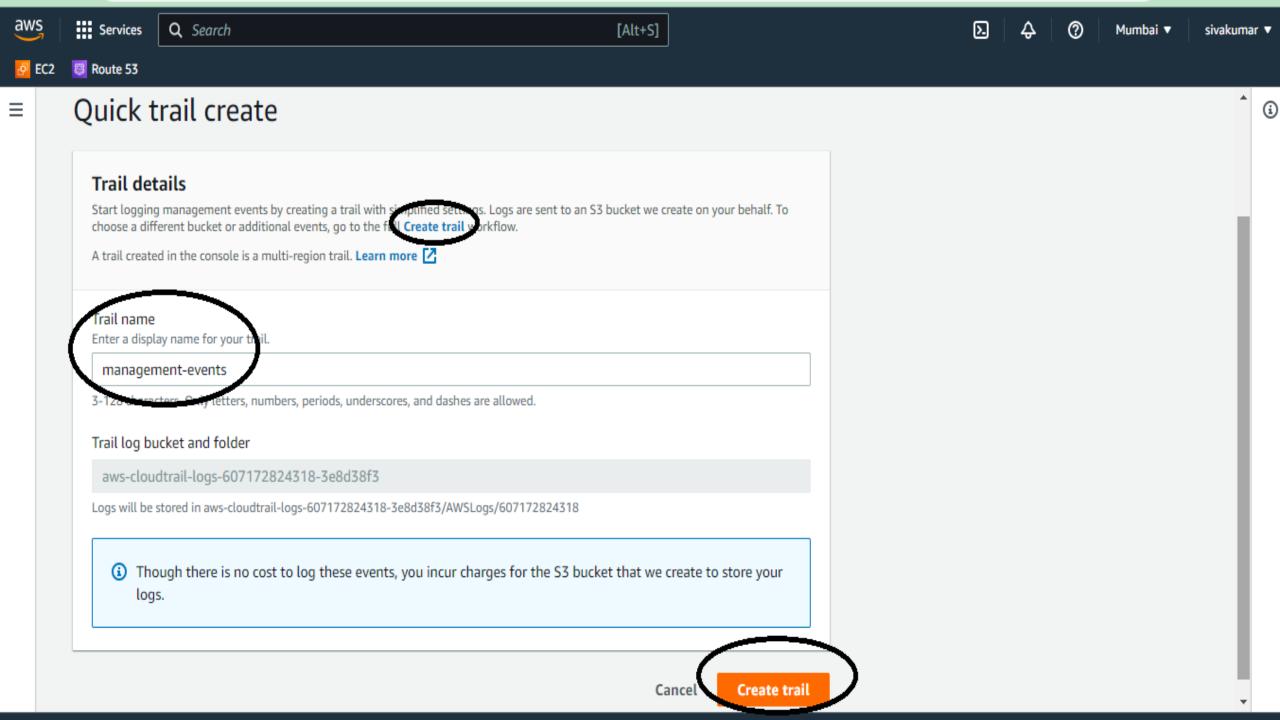
What is AWS CloudTrail?

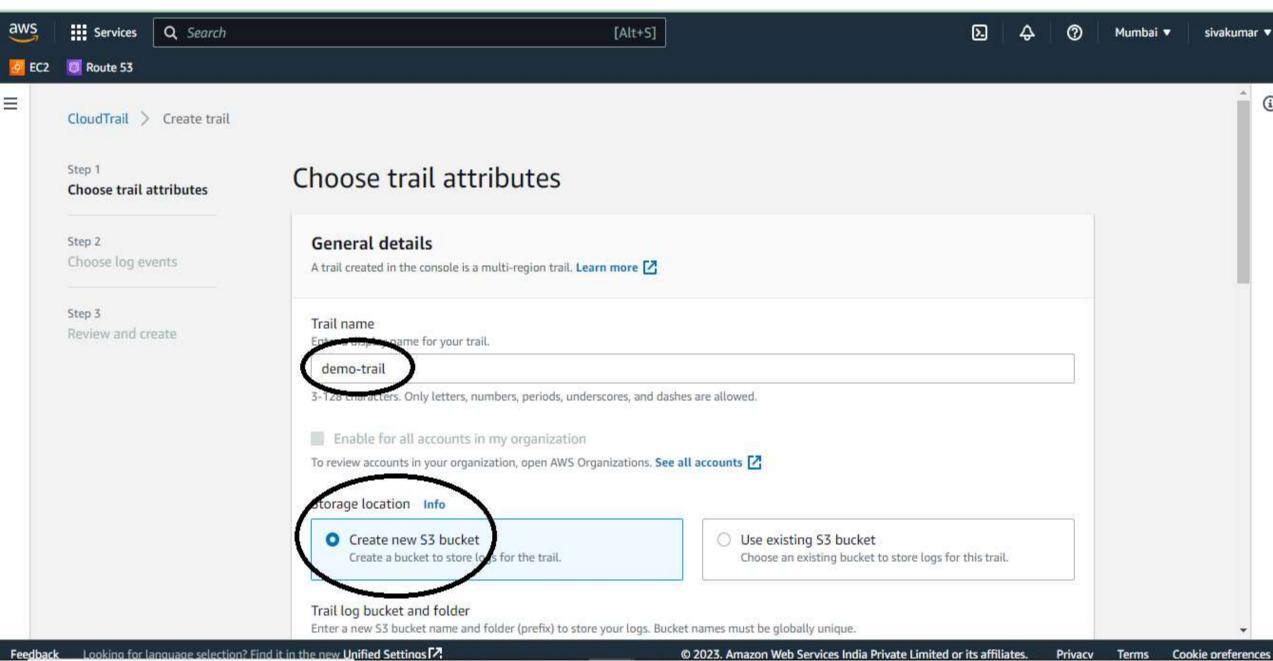
How AWS CloudTrail works

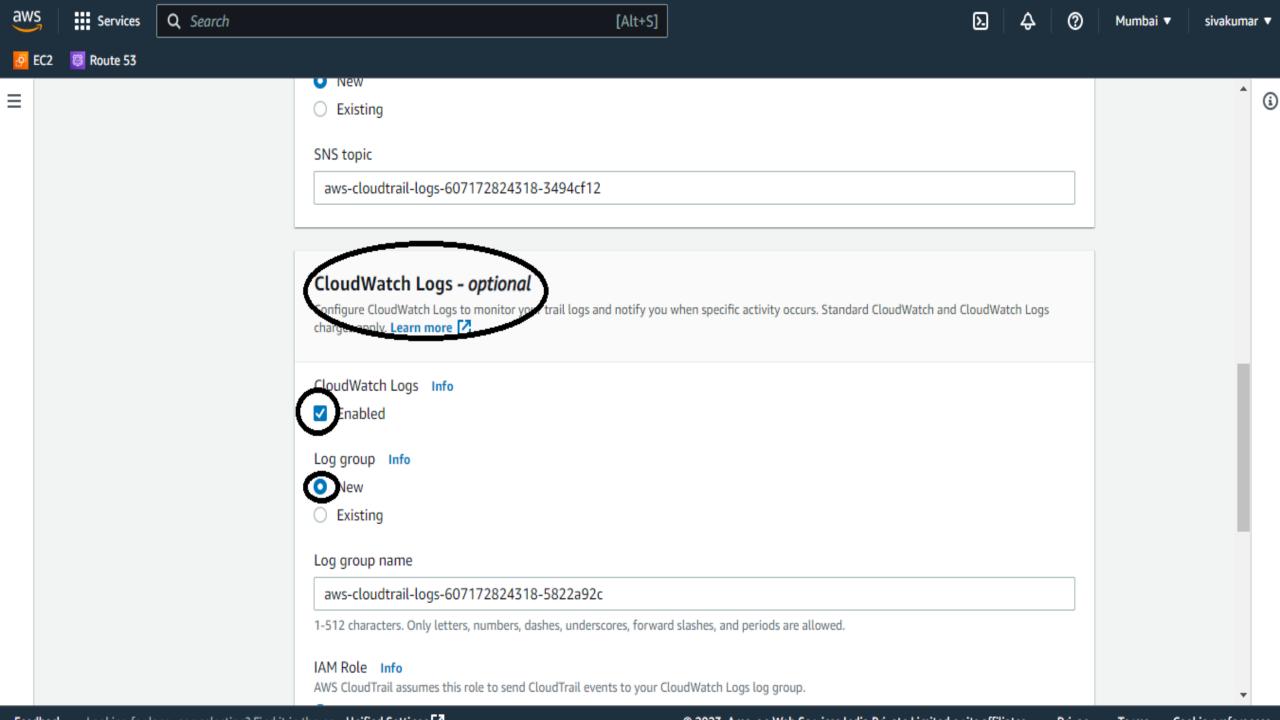
Services that integrate with AWS CloudTrail

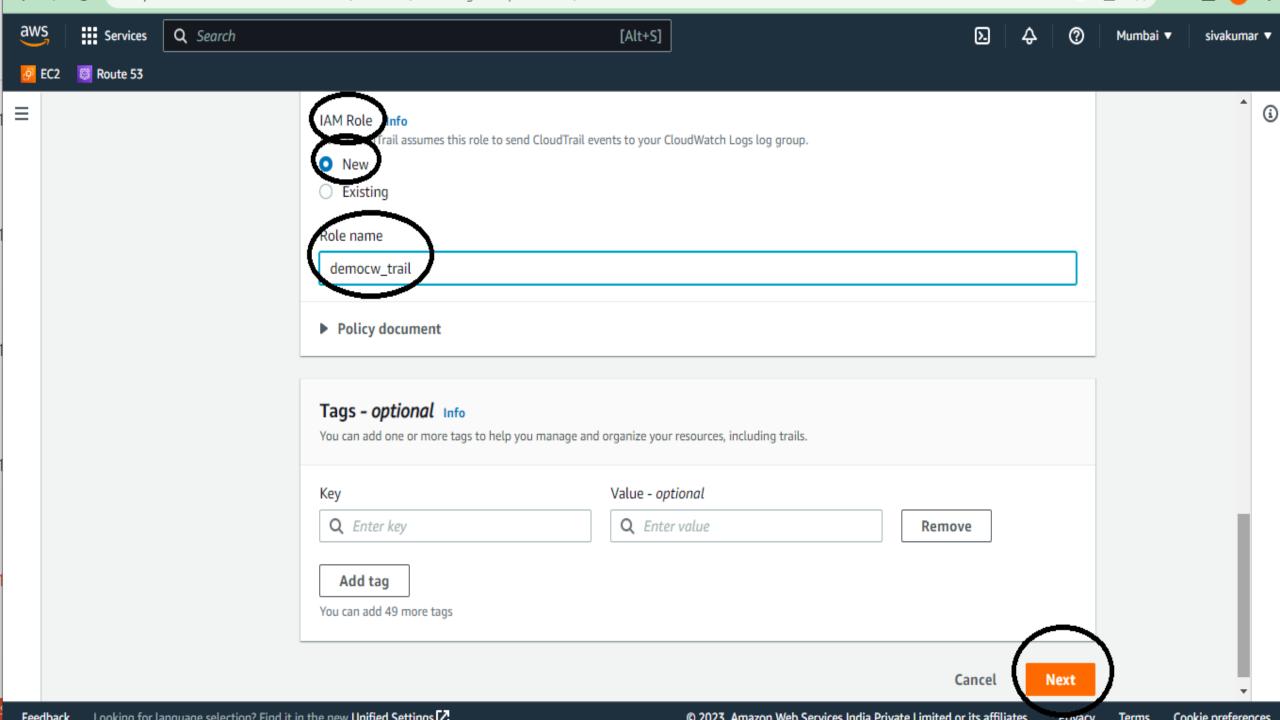
More resources ☑

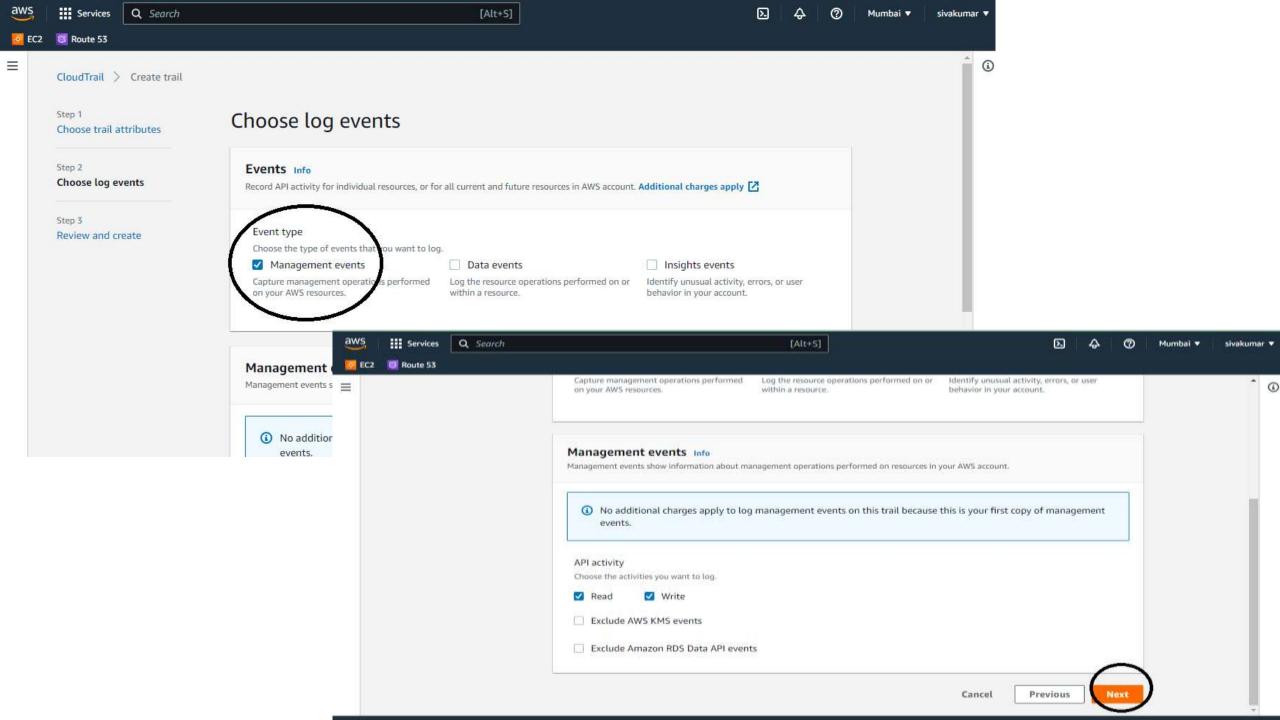


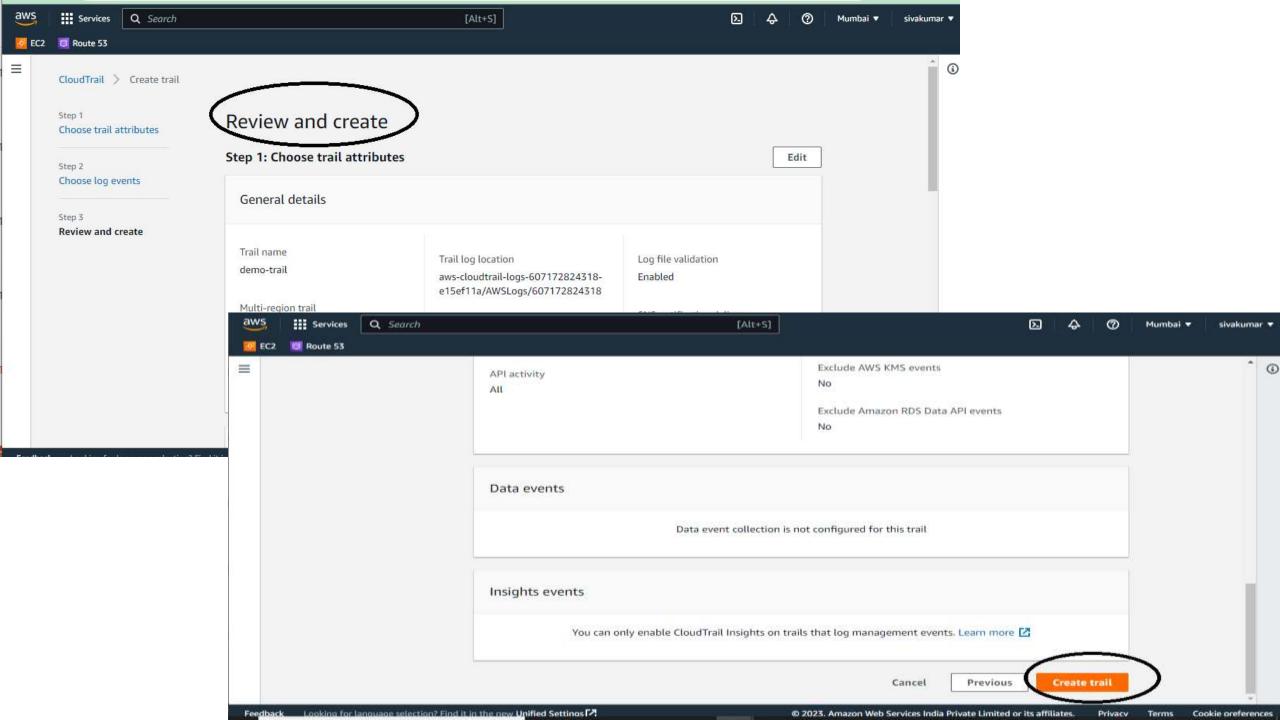


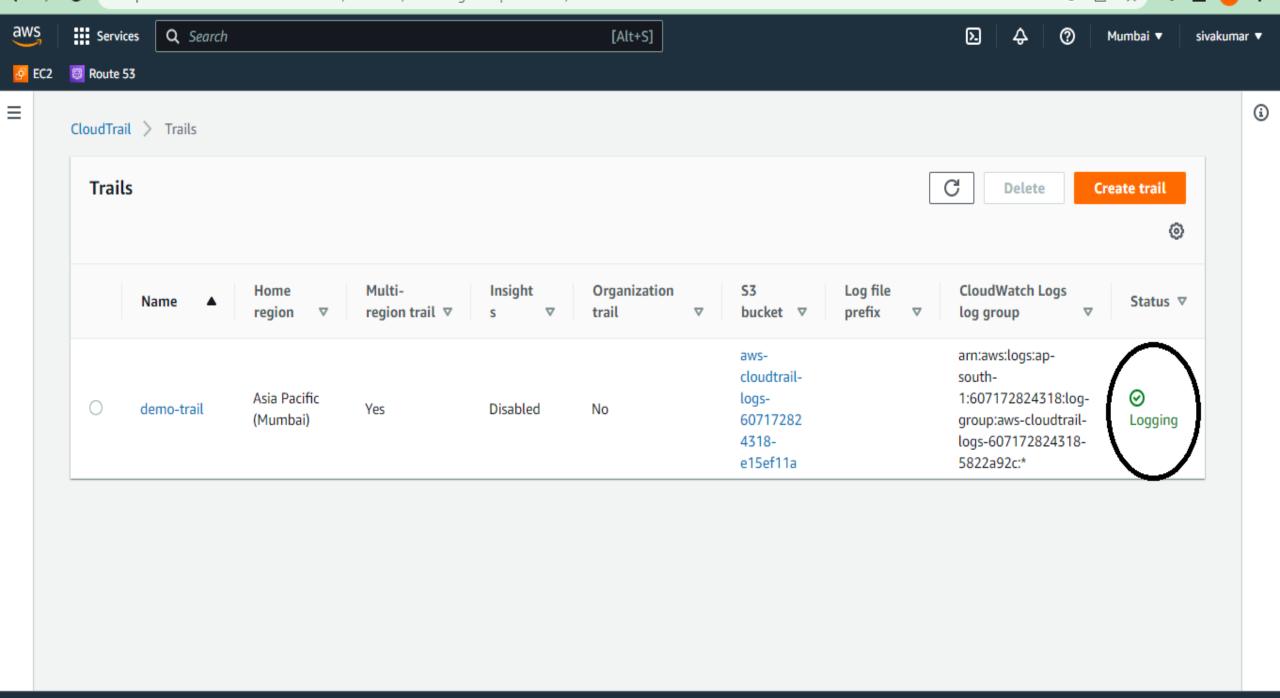




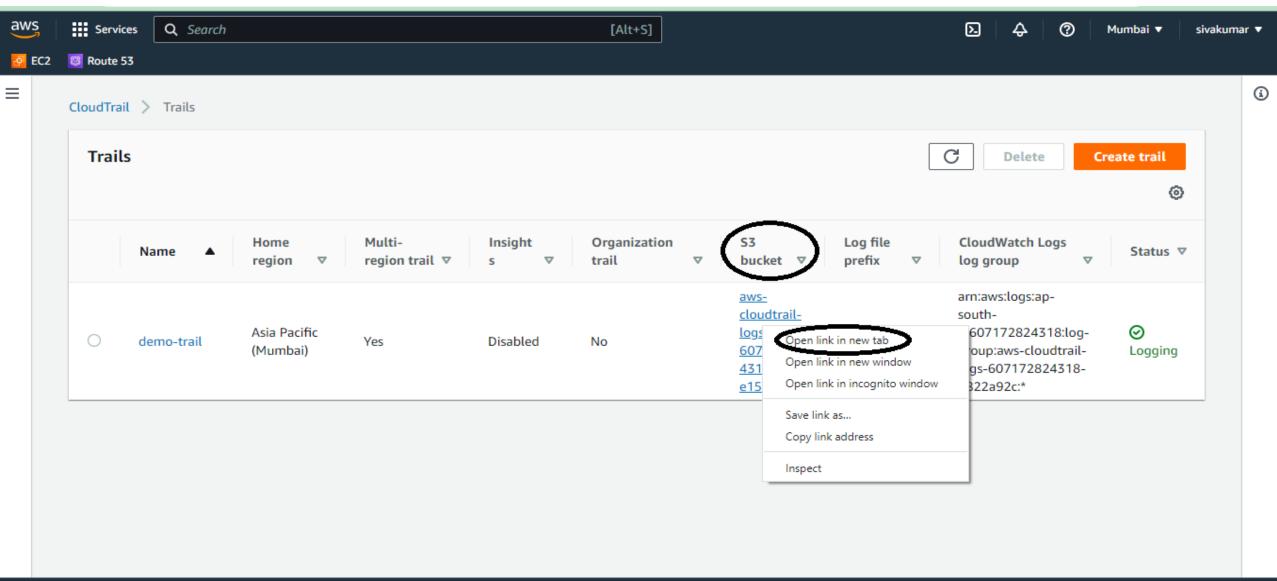




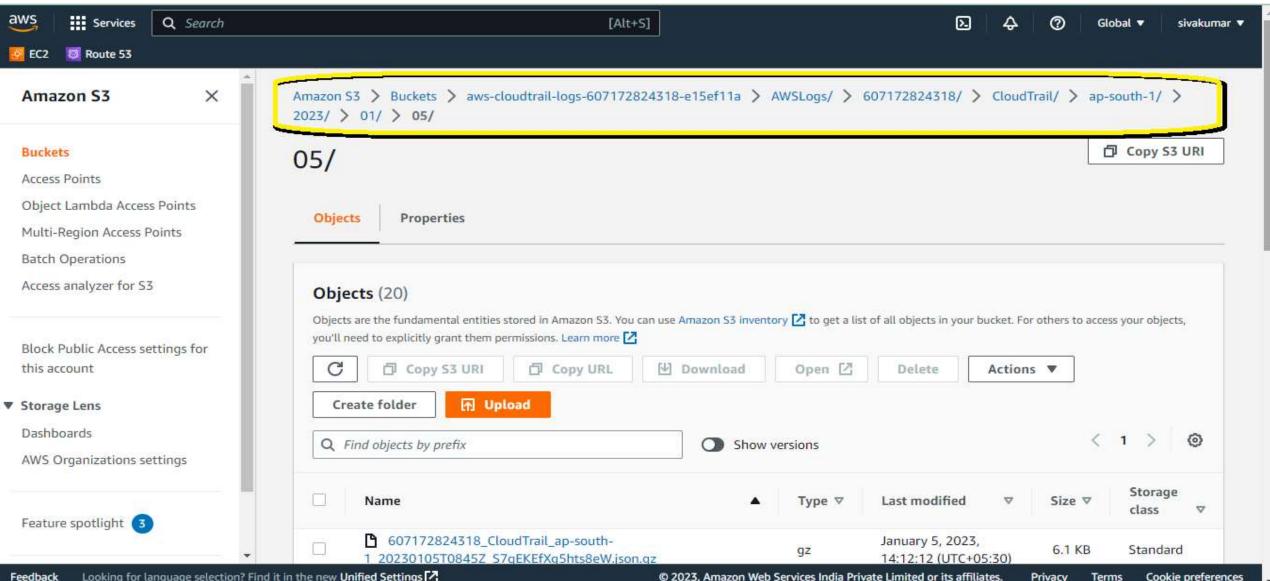




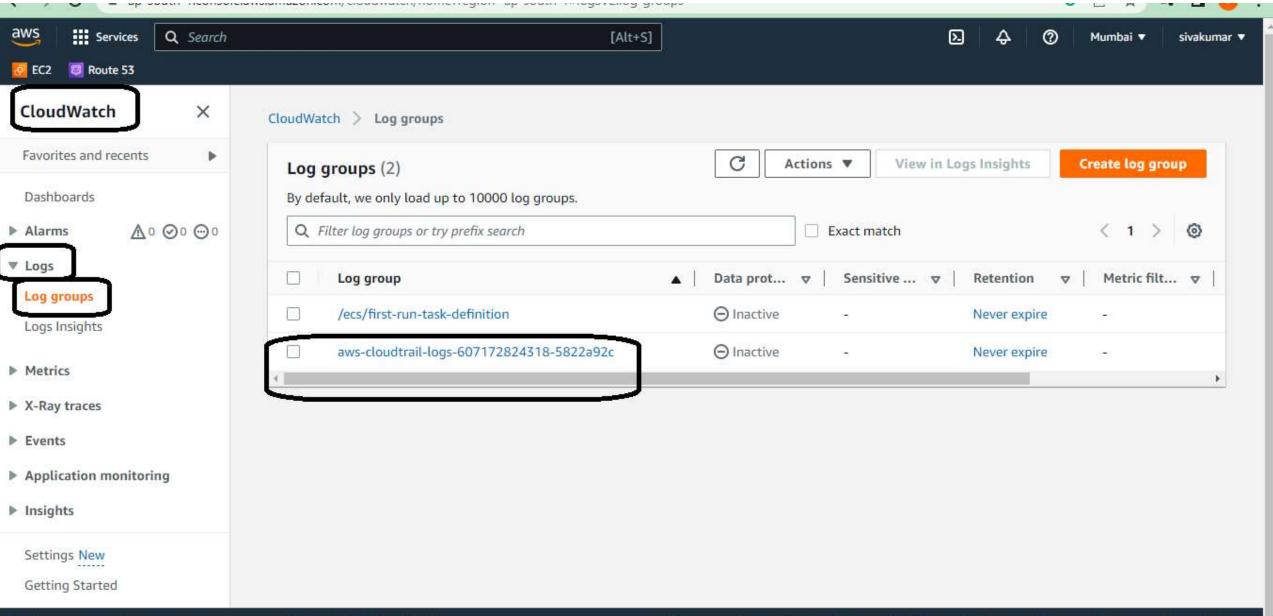
S3 is Created by default great thing you can check opening link in new tab



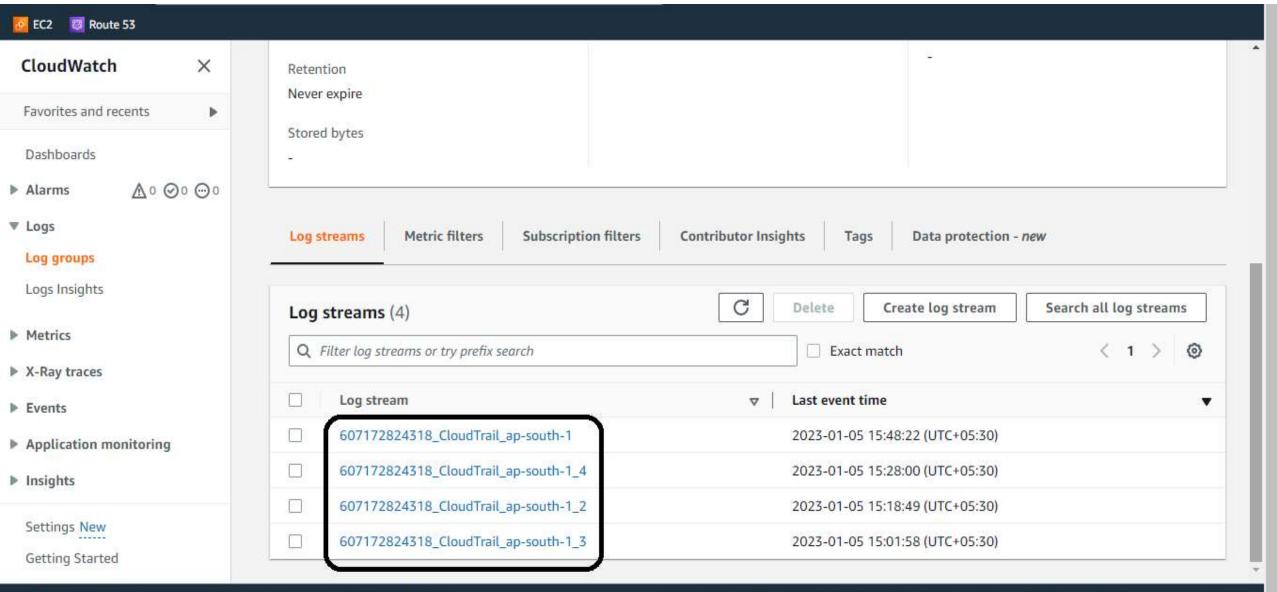
Once lick on S3 bucket link you will come to see Object Over View



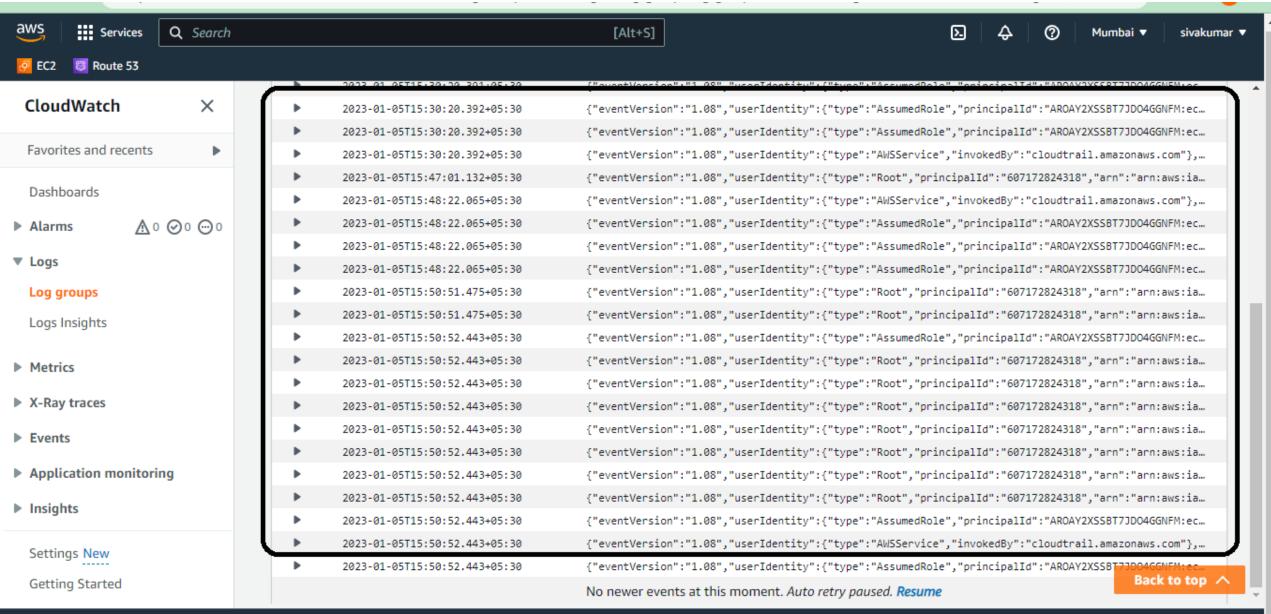
Let go cloudwatch



Once you click on the log group ID, you can see streams

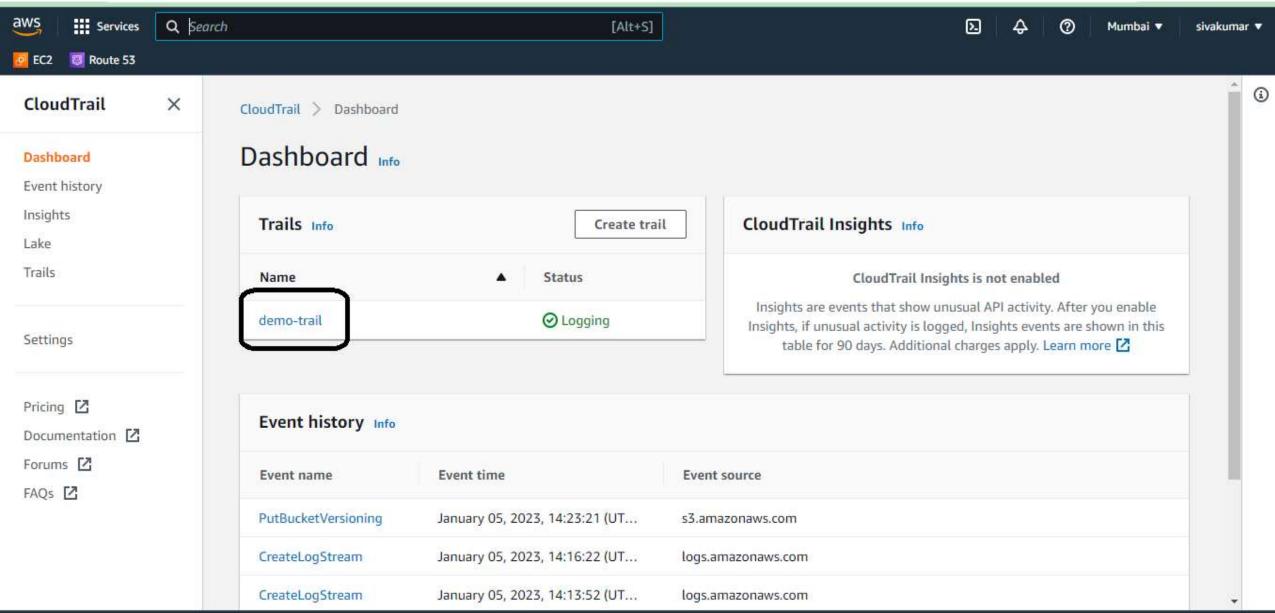


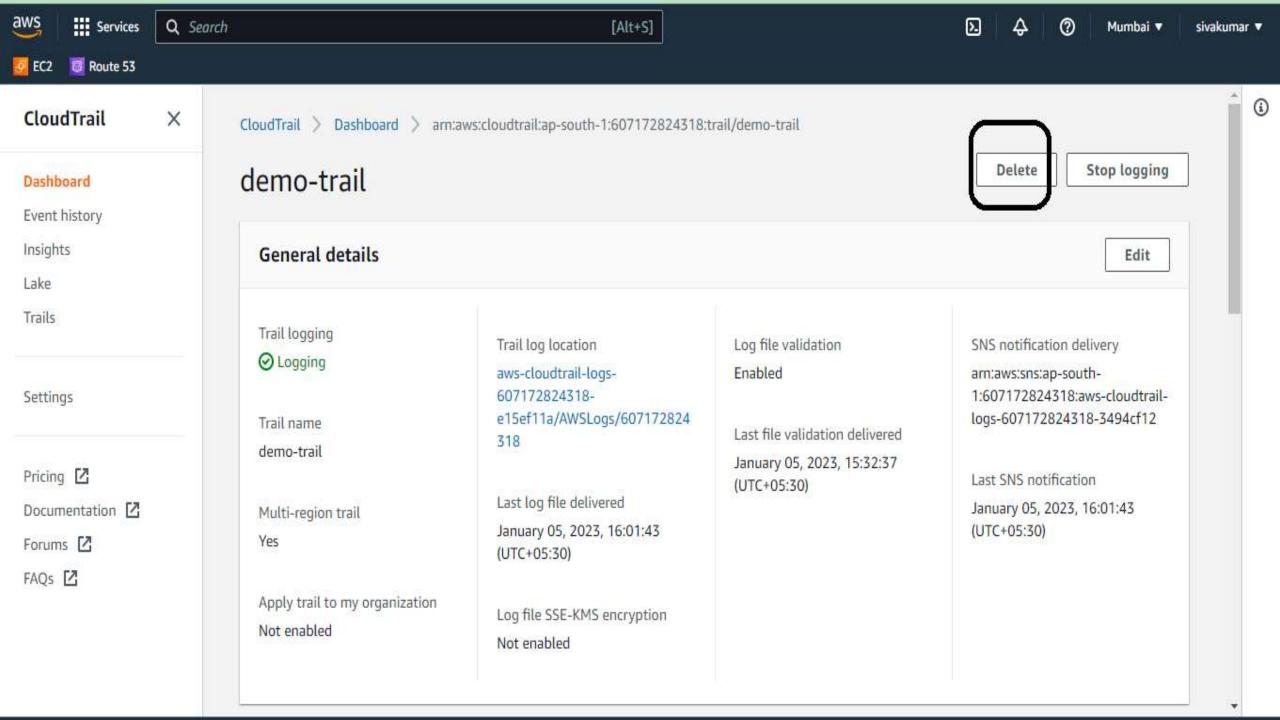
Once open streams you can see log Streams

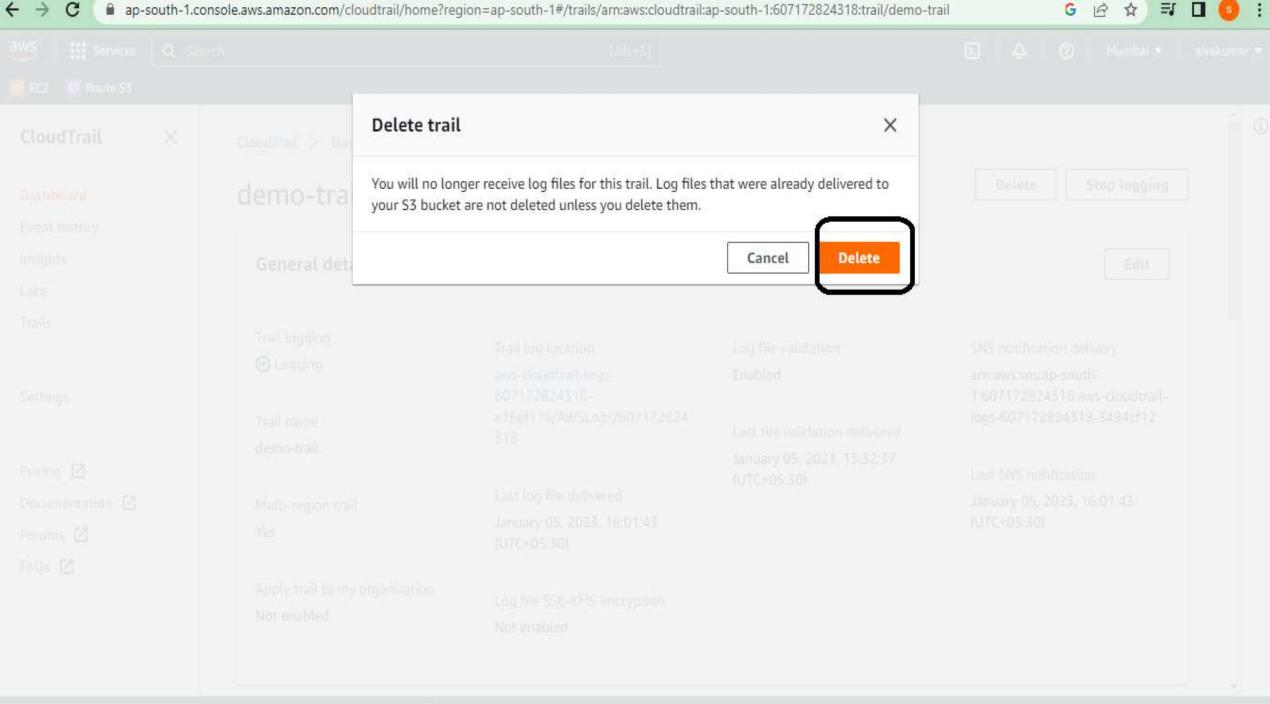


Terms

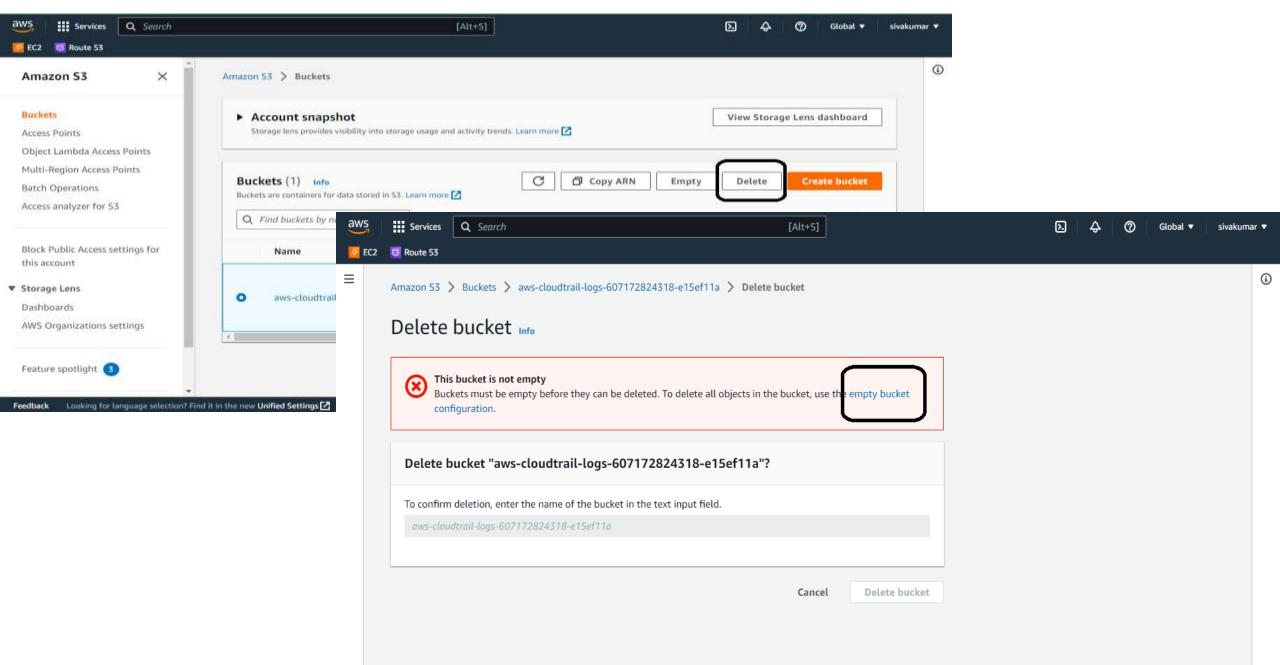
Next go to Cloudtrail: DELETING

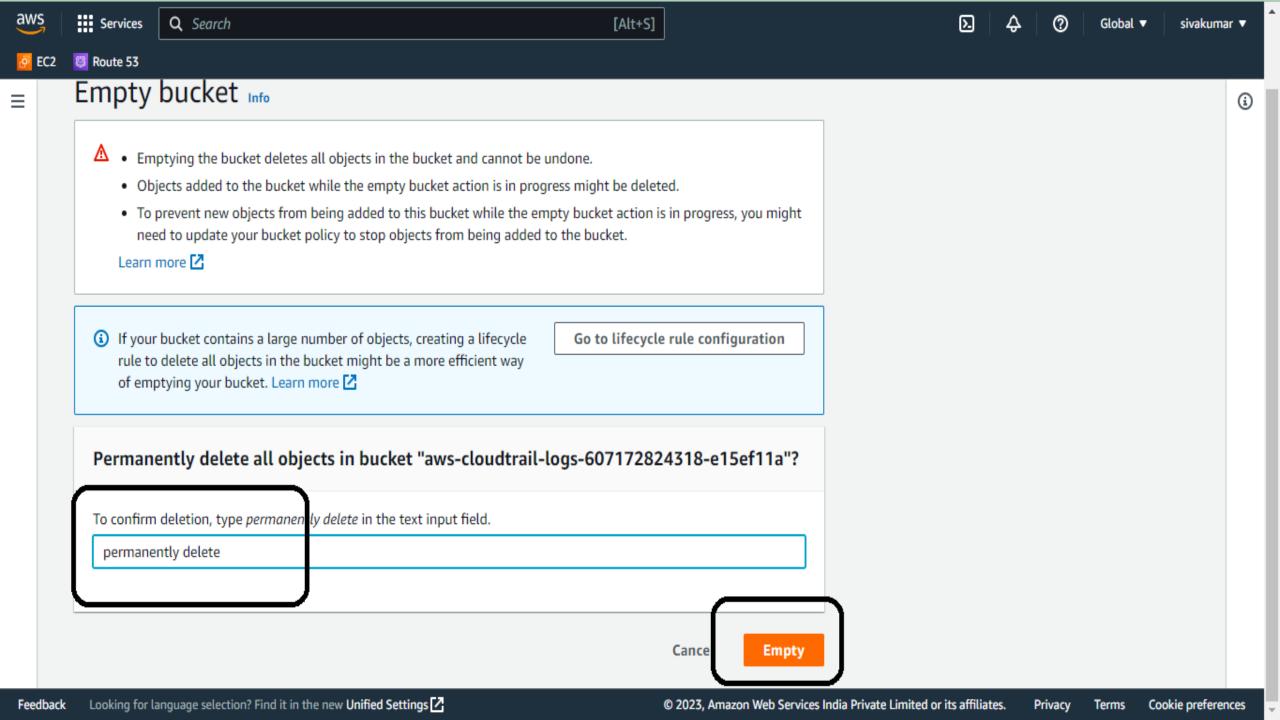


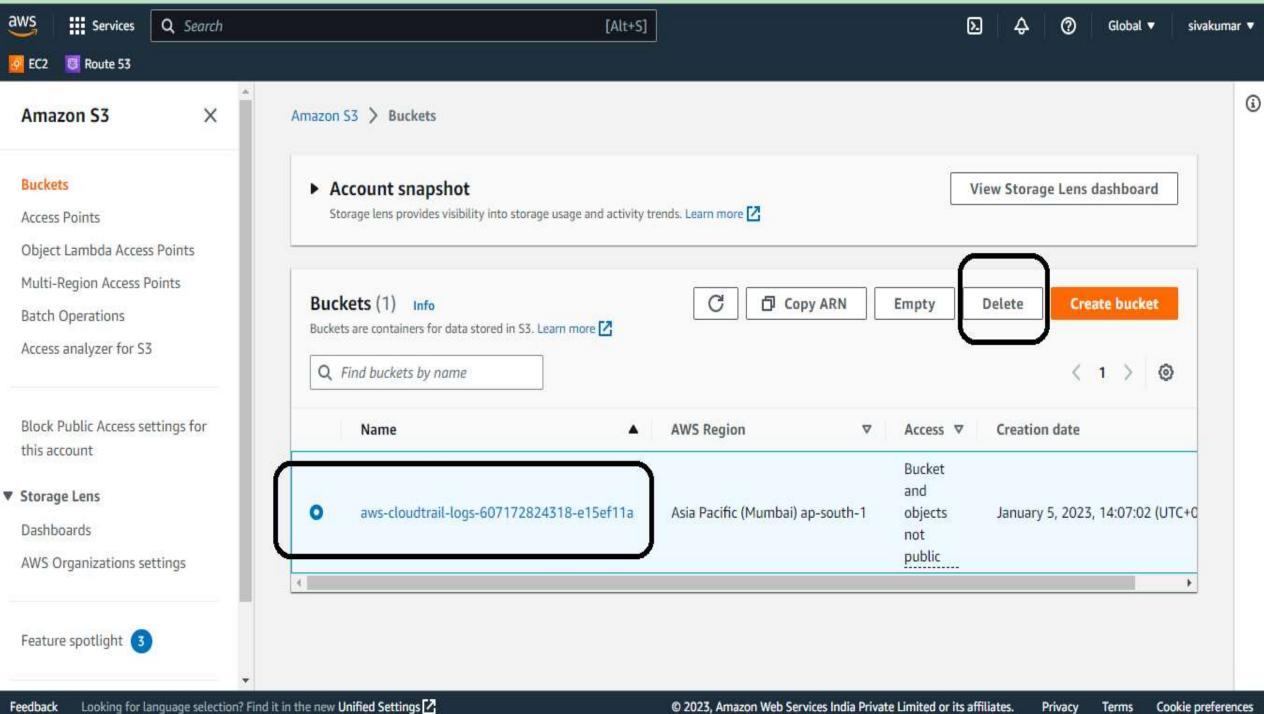




Also delete S3 Bucket















sivakumar ▼

①



Amazon S3 > Buckets > aws-cloudtrail-logs-607172824318-e15ef11a > Delete bucket

Delete bucket Info



- · Deleting a bucket cannot be undone.
- Bucket names are unique. If you delete a bucket, another AWS user can use the name.

Learn more 🗹

Delete bucket "aws-cloudtrail-logs-607172824318-e15ef11a"?

To confirm deletion, enter the name of the bucket in the text input field.

aws-cloudtrail-logs-607172824318-e15ef11a

Cancel

Delete bucket

THANK YOU