



AWS Session

Summary - 30-3-2023

- Every service has its own API that is EC2, EBS, LB has its own API in AWS.
- Every API Call == Every API event
- Steps to create Cloud Trail

Give the details and click on create trail.

Trail details

Start logging management events by creating a trail with simplified settings. Logs are sent to an S3 bucket we create on your behalf. To choose a different bucket or additional events, go to the full [Create trail](#) workflow.

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.

Trail log bucket and folder

Logs will be stored in aws-cloudtrail-logs-583457386617-858c7bf0/AWSLogs/583457386617

Info Though there is no cost to log these events, you incur charges for the S3 bucket that we create to store your logs.

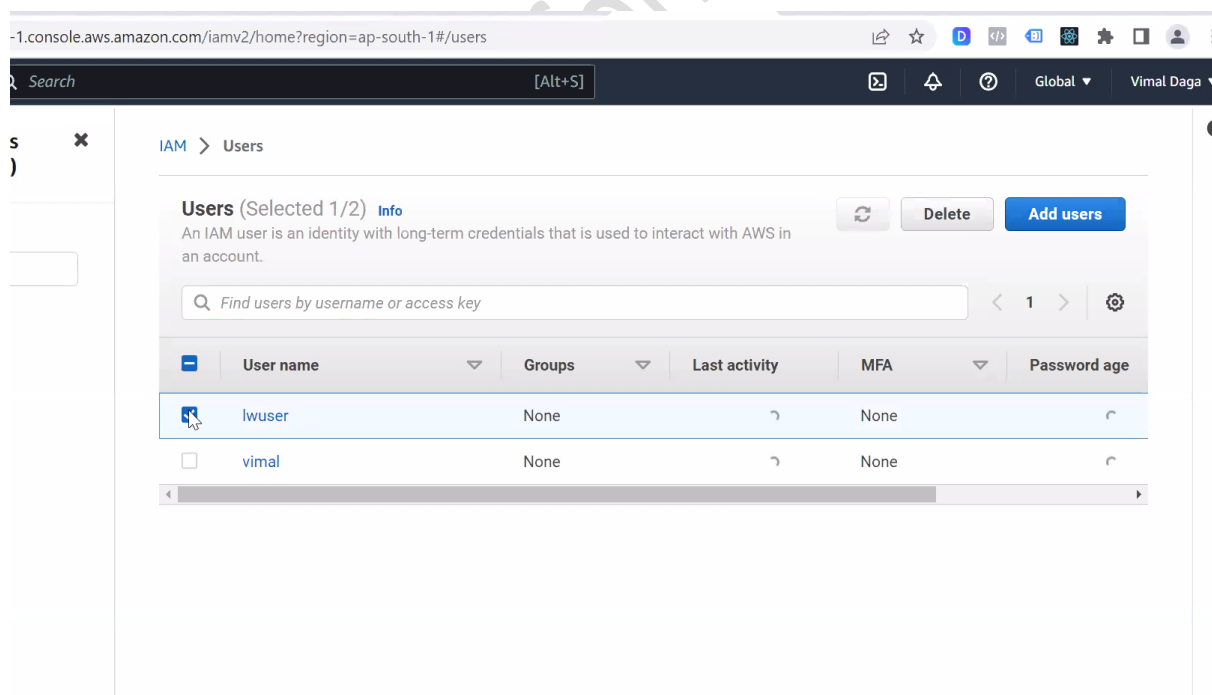
[Cancel](#) [Create trail](#)

Trails

[Copy events to Lake](#) [Refresh](#) [Delete](#) [Create trail](#)

Name	Home region	Multi-region trail	Insights	Organization trail	S3 bucket	Log file prefix	CloudWatch Logs log group	Status
my-vimal-management-events	Asia Pacific (Mumbai)	Yes	Disabled	No	aws-cloudtrail-logs-583457386617-858c7bf0			Logging

- Whenever we use service, AWS can monitor and record and manages event that is known as **Event management**. Maintaining record time is called **time management**. By default, in AWS, Event management is already enabled.
- Cloud trail is meant for enabling operational which helps to monitor and records account activity. Mainly used for monitoring purpose.
- Cloudwatch helps to do event management and collect event data and store it. In cloudwatch it collects, visualise real time logs and metrics.
- Cloudwatch also helps to monitor matrix. It is one services that have these capabilities:
 1. Monitor event
 2. Monitor logs
 3. Monitor Metrics
- Cloudwatch is highly integrated to every service. Any automation we want can be done with the help of cloudwatch.
- Now go to the IAM User



Summary

ARN arn:aws:iam::583457386617:user/lwuser	Console access Disabled	Access key 1 AKIAYPWGFB4QF7SHNQT - Active Used 4 days ago. 11 days old.
Created March 18, 2023, 16:49 (UTC+05:30)	Last console sign-in -	Access key 2 Not enabled

Permissions policies (1)

Permissions are defined by policies attached to the user directly or through groups.

<input type="checkbox"/>	Policy name	Type	Attached via
<input type="checkbox"/>	AdministratorAccess	AWS managed - job function	Directly

- Enable console access.

Console sign-in

Enable console access

Console sign-in link
https://583457386617.signin.aws.amazon.com/console

Console password
Not enabled

Multi-factor authentication (MFA) (0)

Use MFA to increase the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA device. Each user can have a maximum of 8 MFA devices assigned. [Learn more](#)

Remove Resync Assign MFA device

Manage console access

Manage lwuser's AWS console access and password.

Console access

☒ Enable
☐ Disable
Disabling removes the pre-existing password.

Set password

☐ Keep existing password
☐ Autogenerated password
☒ Custom password

Must be at least 8 characters long
Must include at least three of the following mix of character types: uppercase letters (A-Z), lowercase letters (a-z), numbers (0-9), and symbols ! @ # \$ % ^ & * () _ + - (hyphen) [] { } | ' "

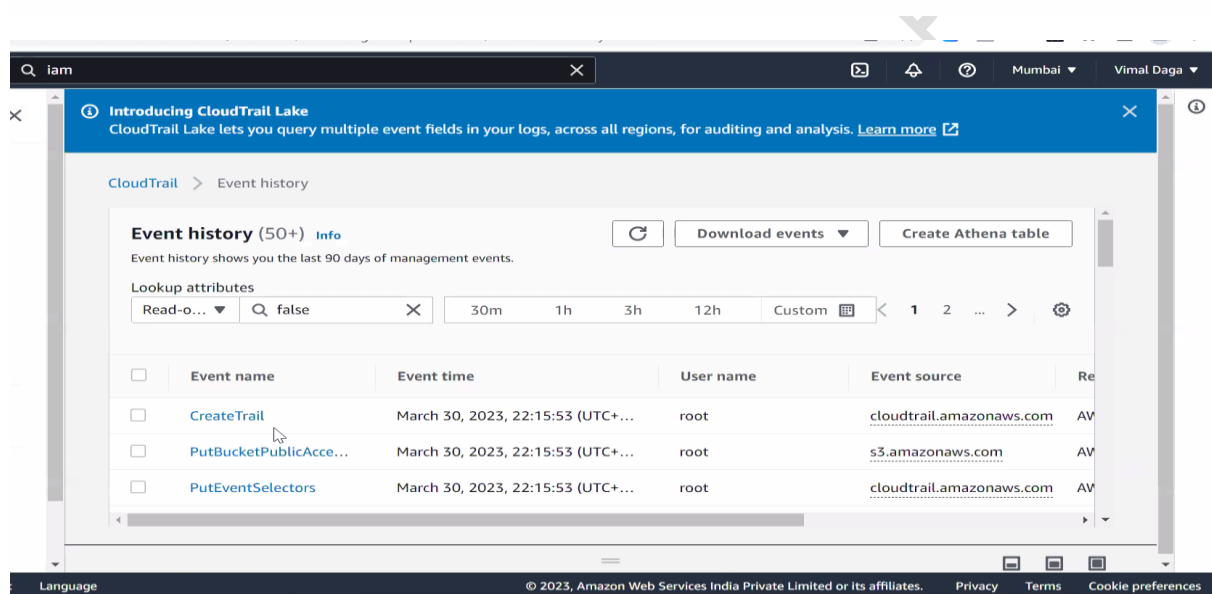
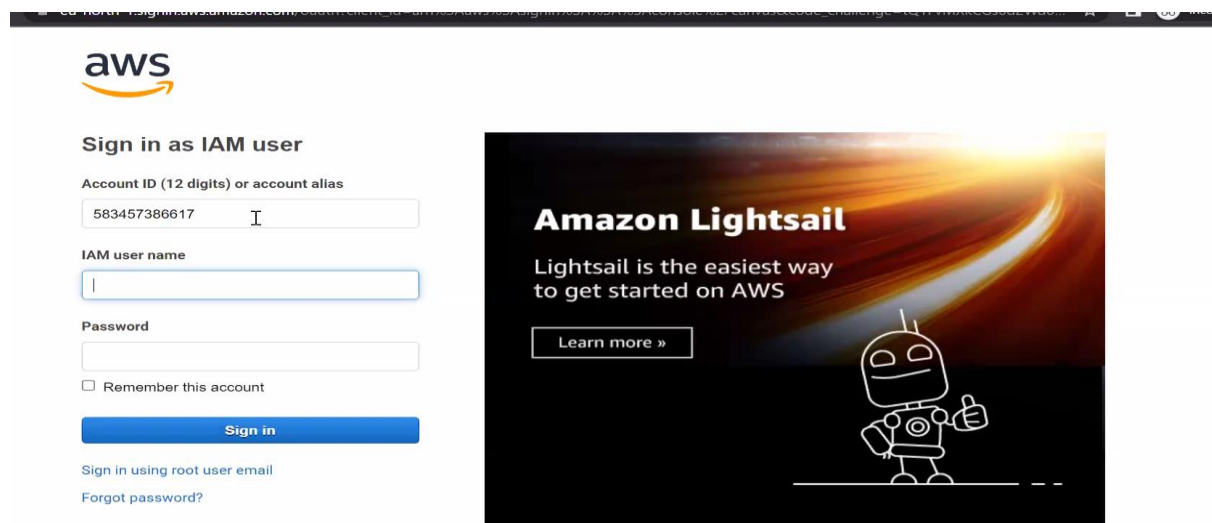
☐ Show password

☐ User must create new password at next sign-in
Users automatically get the [IAMUserChangePassword](#) policy to allow them to change their own password.

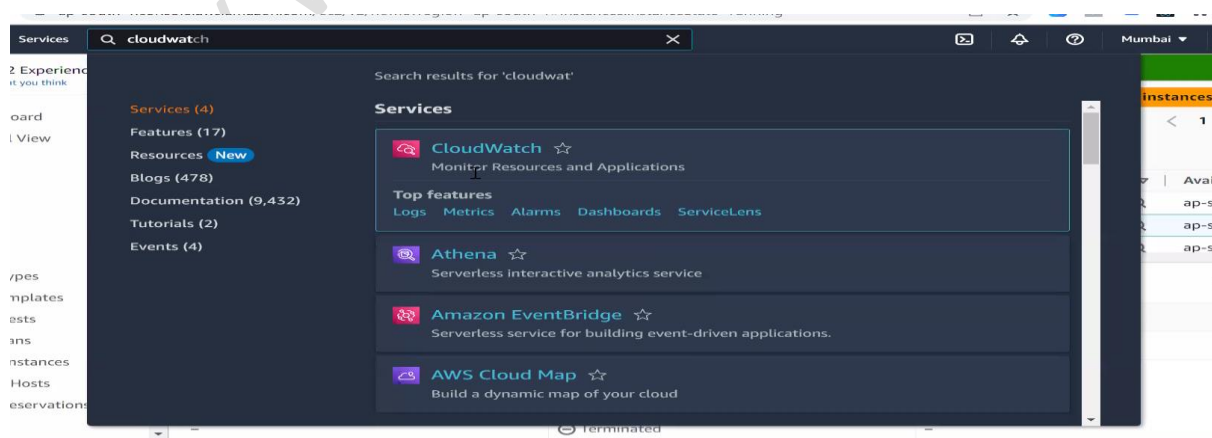
Cancel Apply

[AWS]

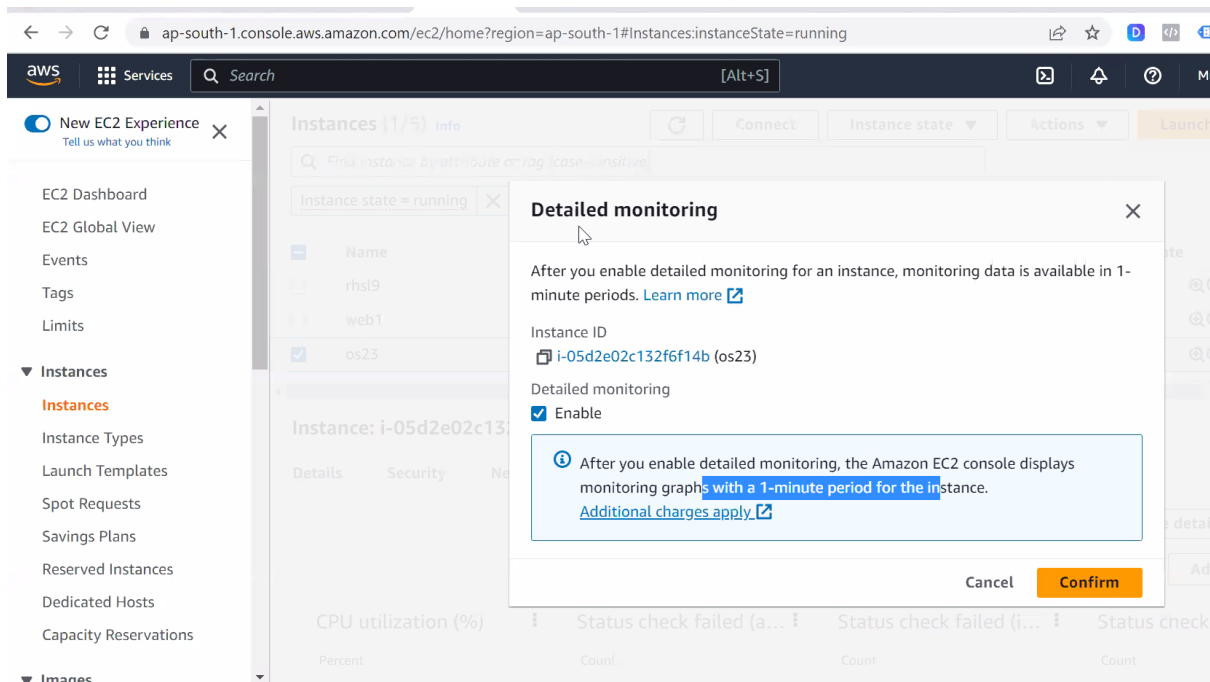
- Now login with IAM User.



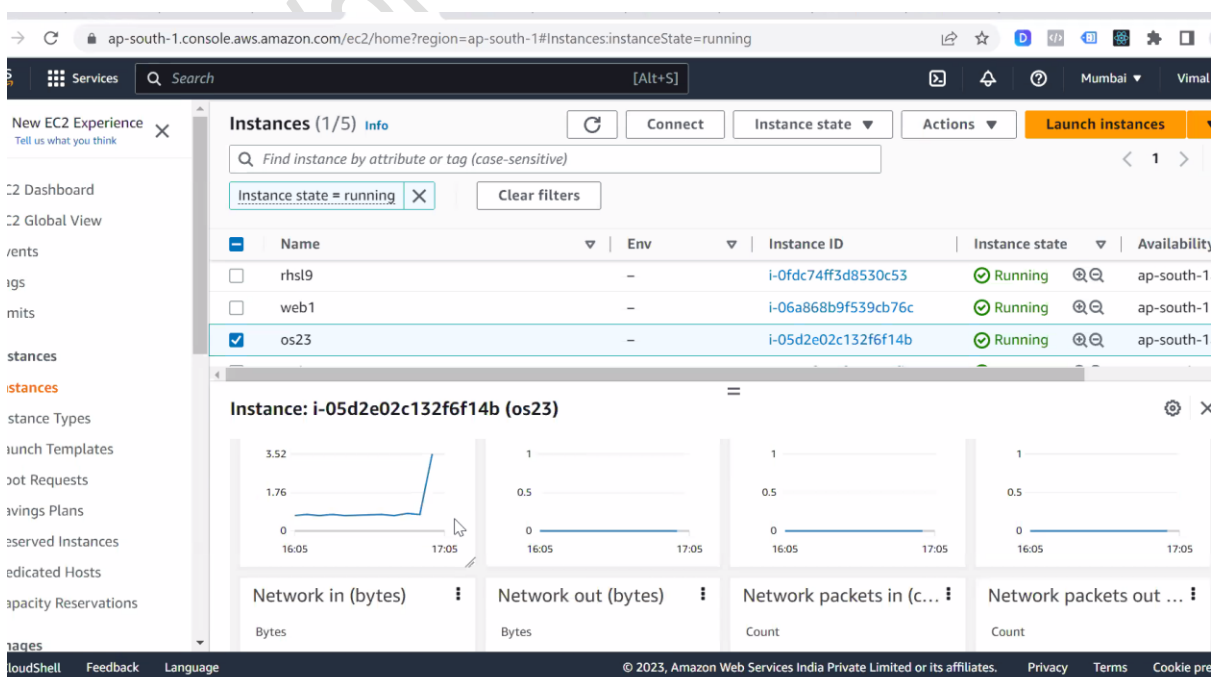
- Now open CloudWatch service of AWS.



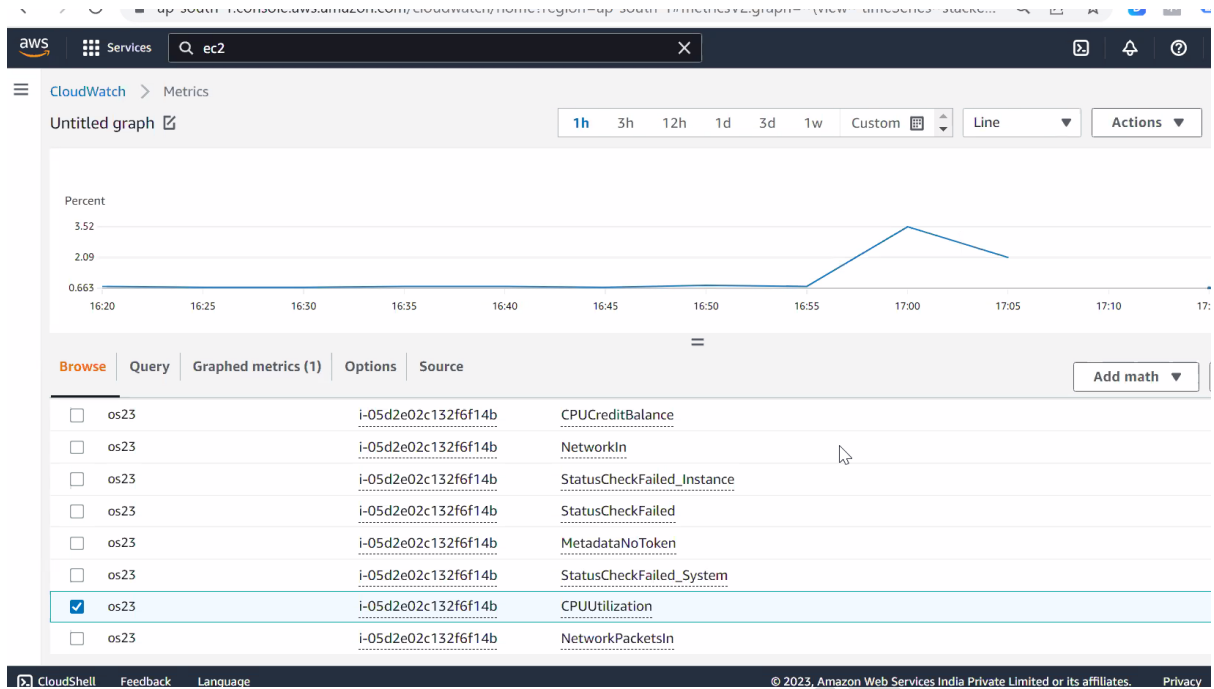
- We can also see the detailed monitoring of an instance.
- By default in AWS, Event mangement is already enabled.



- We have one program which keeps on monitoring and keeps on capturing the CPU utilization at that time. We can also see that information in the graphical format.
- CloudWatch is preconfigured. We can also customise CloudWatch.
- CloudWatch will help you to capture information.
- More the process, more performance, it will charge more called detail monitoring.



[AWS]



- Similarly we can see graphical representation for other services as well.