To alert the subscriber about the instances termination by other users using CloudTrail and CloudWatch.

1. Log in to AWS Management Console

--Go to the AWS Management Console. --Sign in with your credentials.

Navigate to EC2

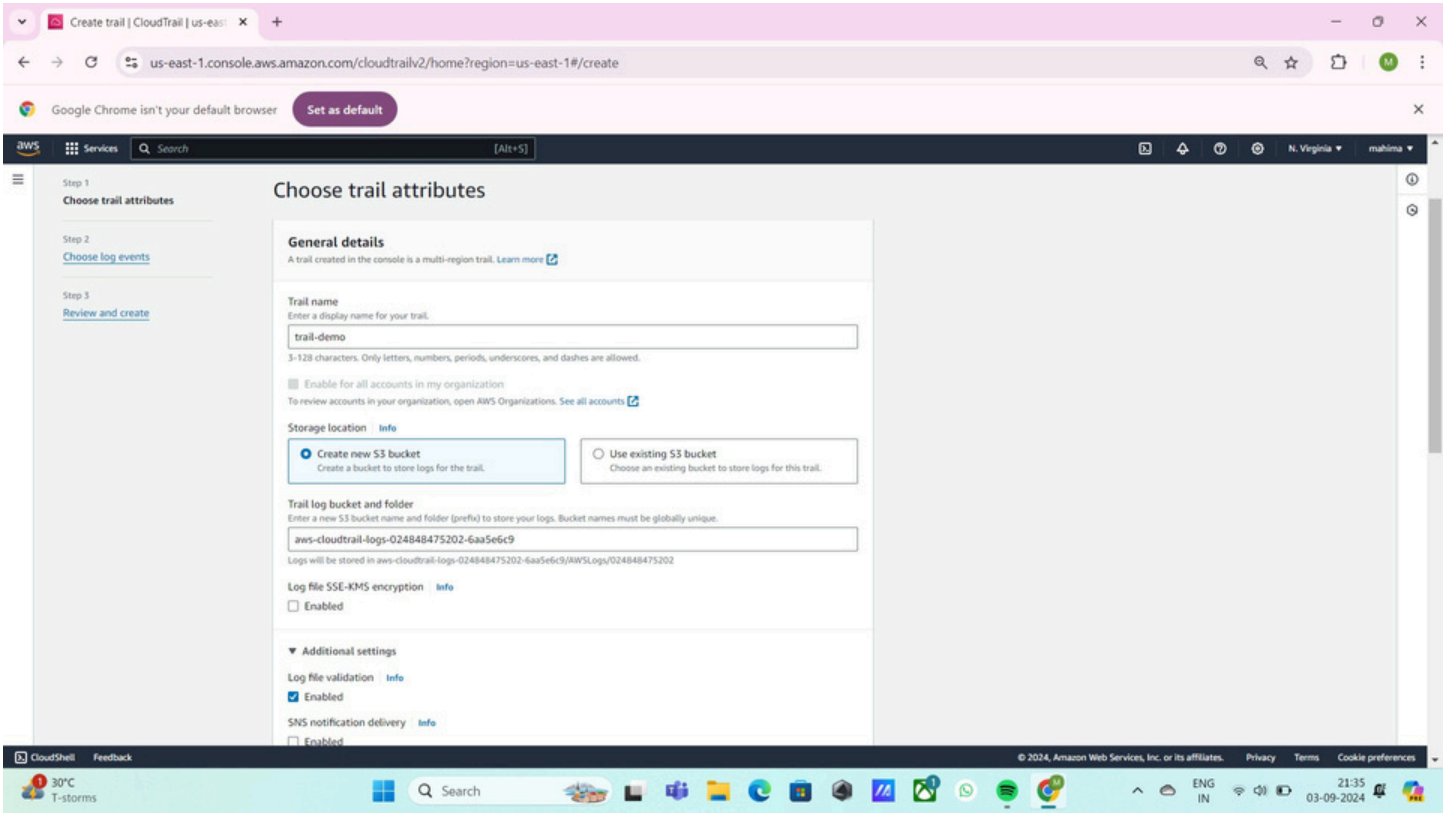
--In the AWS Management Console, type EC2 in the search bar and select it from the list of services.

Launch an Instance

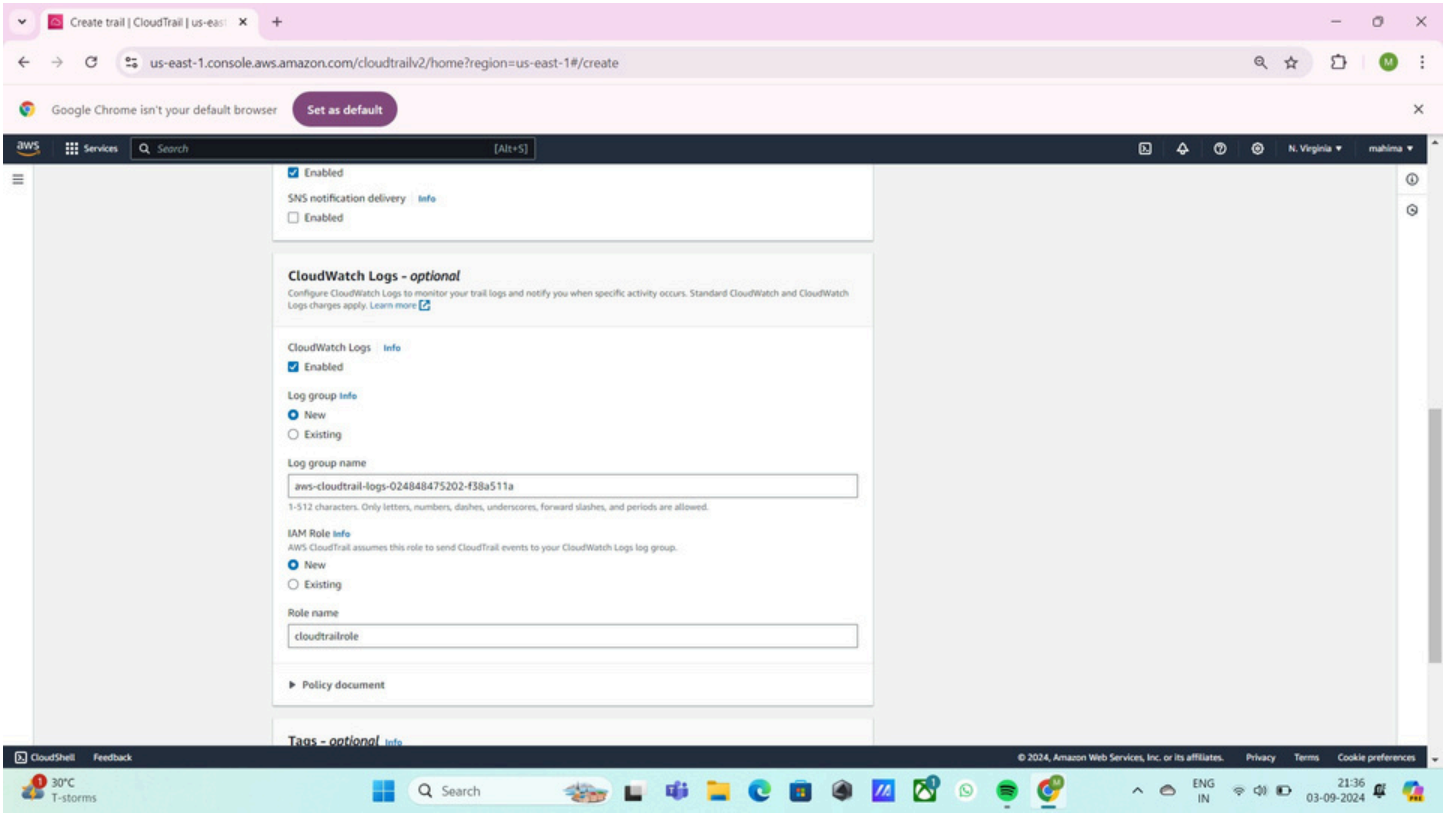
--In the EC2 Dashboard, click on the Launch Instance button.

2.Search for CloudTrail and open CloudTrail Console.

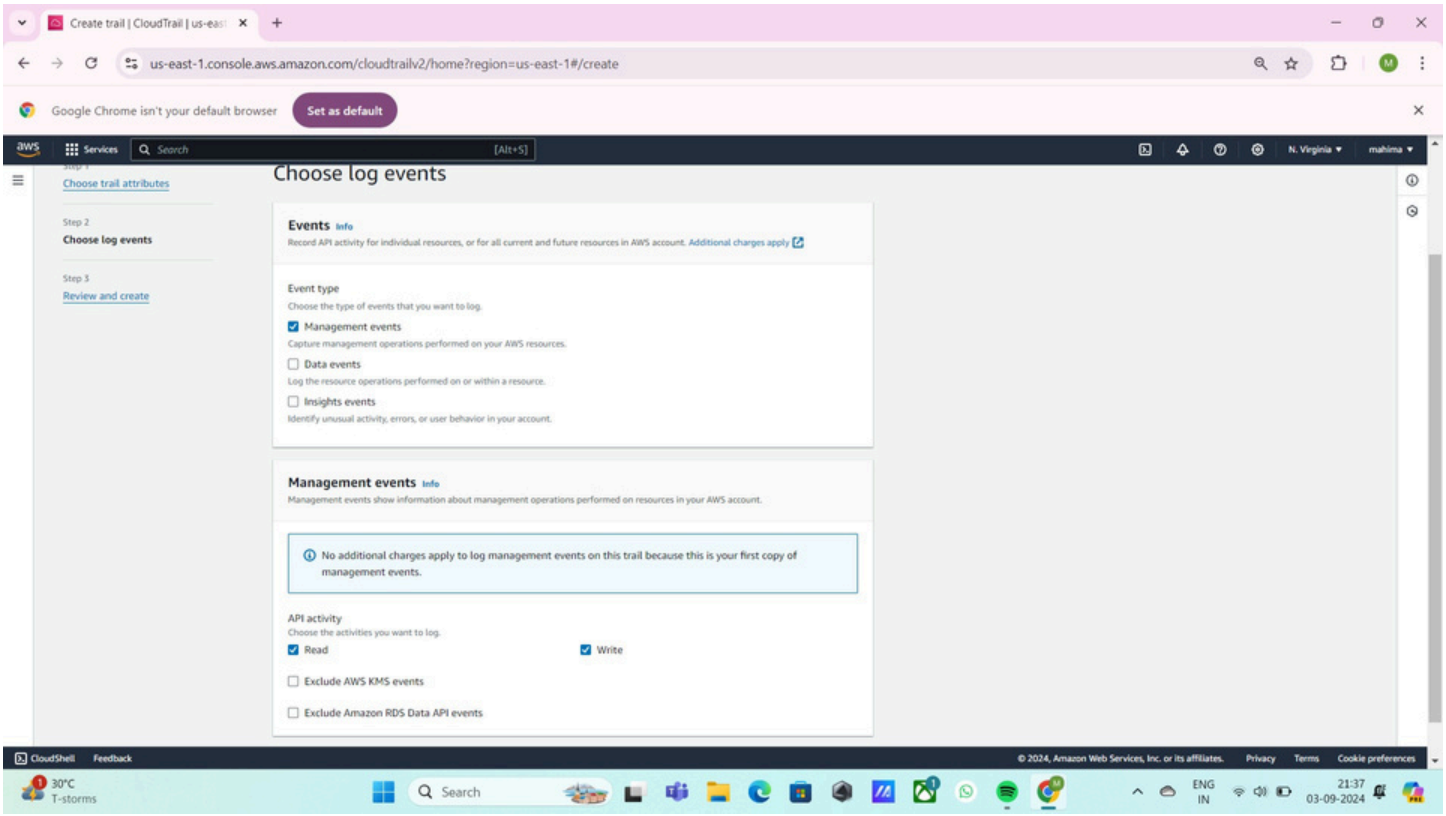
--Click on "Trails" in the navigation pane, then click on "Create trail". --create s3 buckets to store the logs.

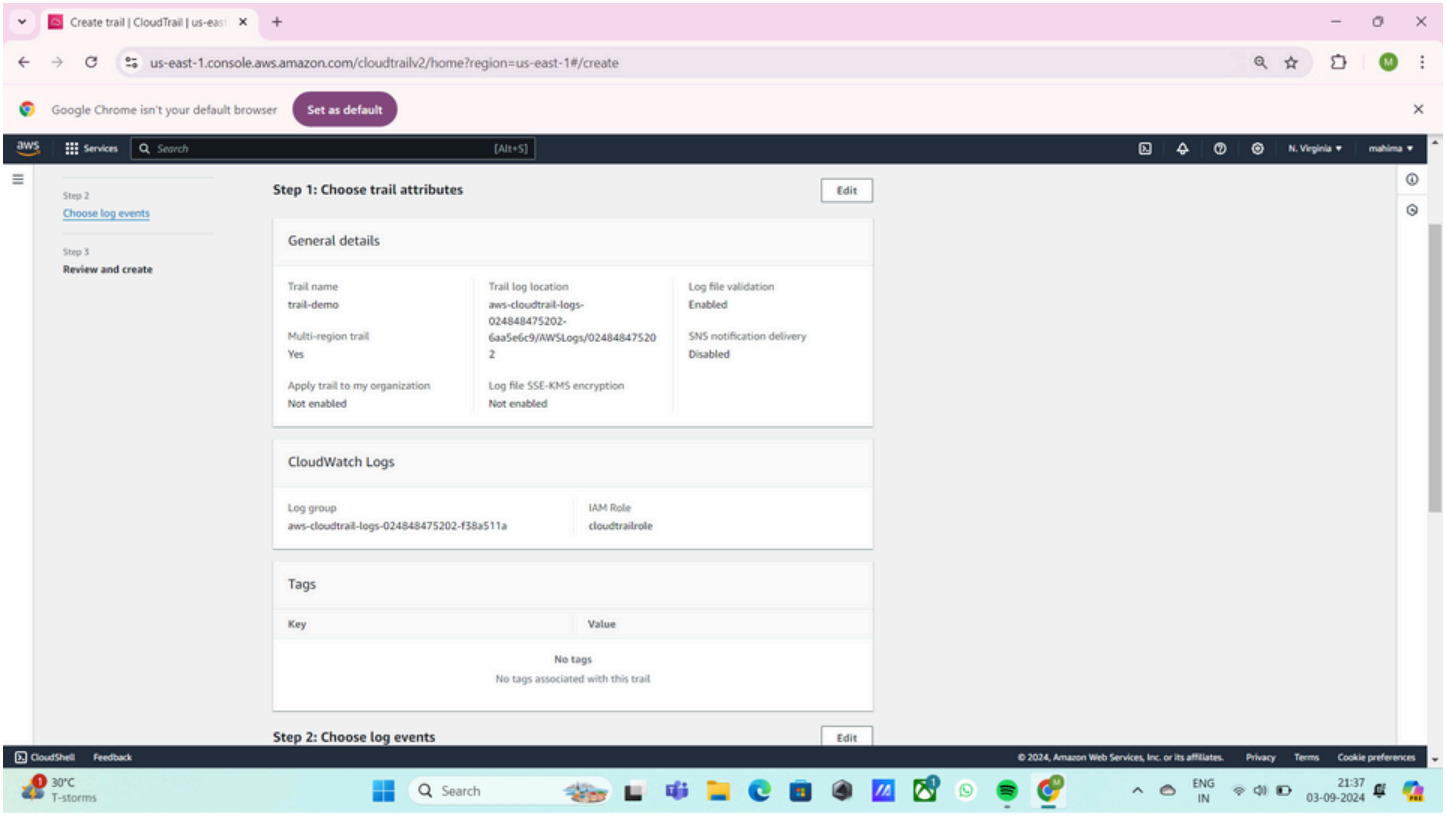


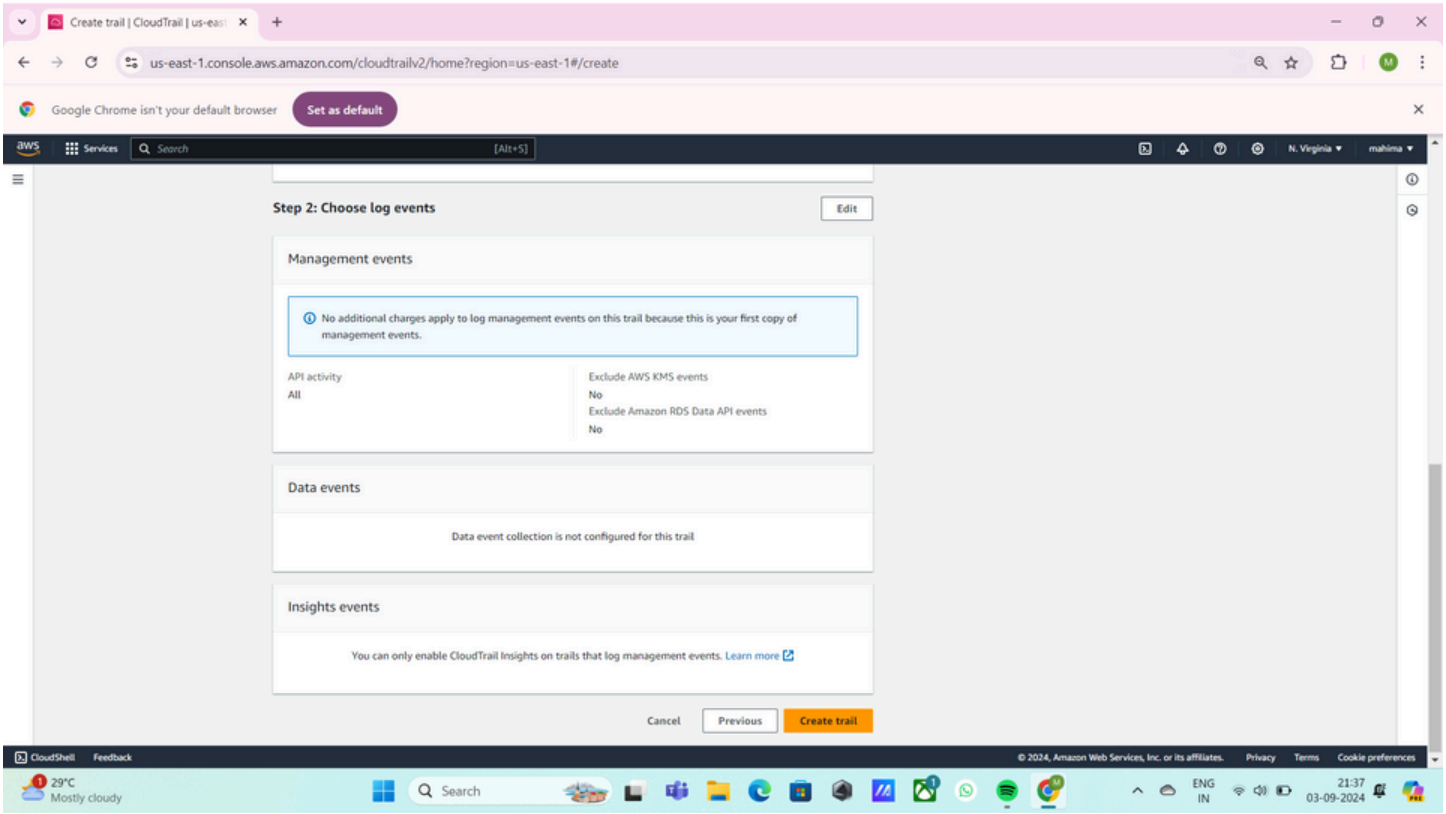
--keep the other options as default.



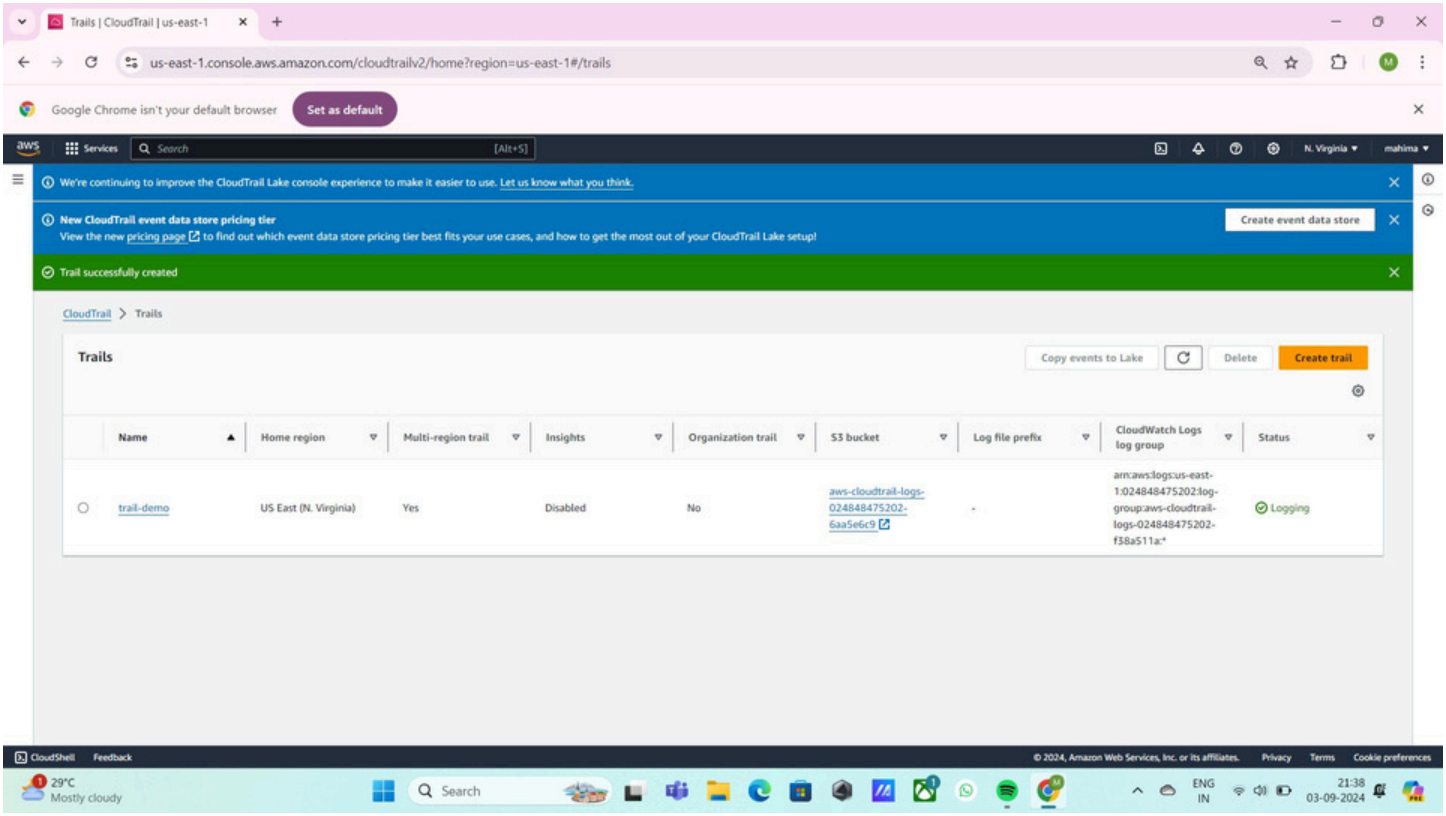
3.Choose event Type as Management events and review and create the Trail.



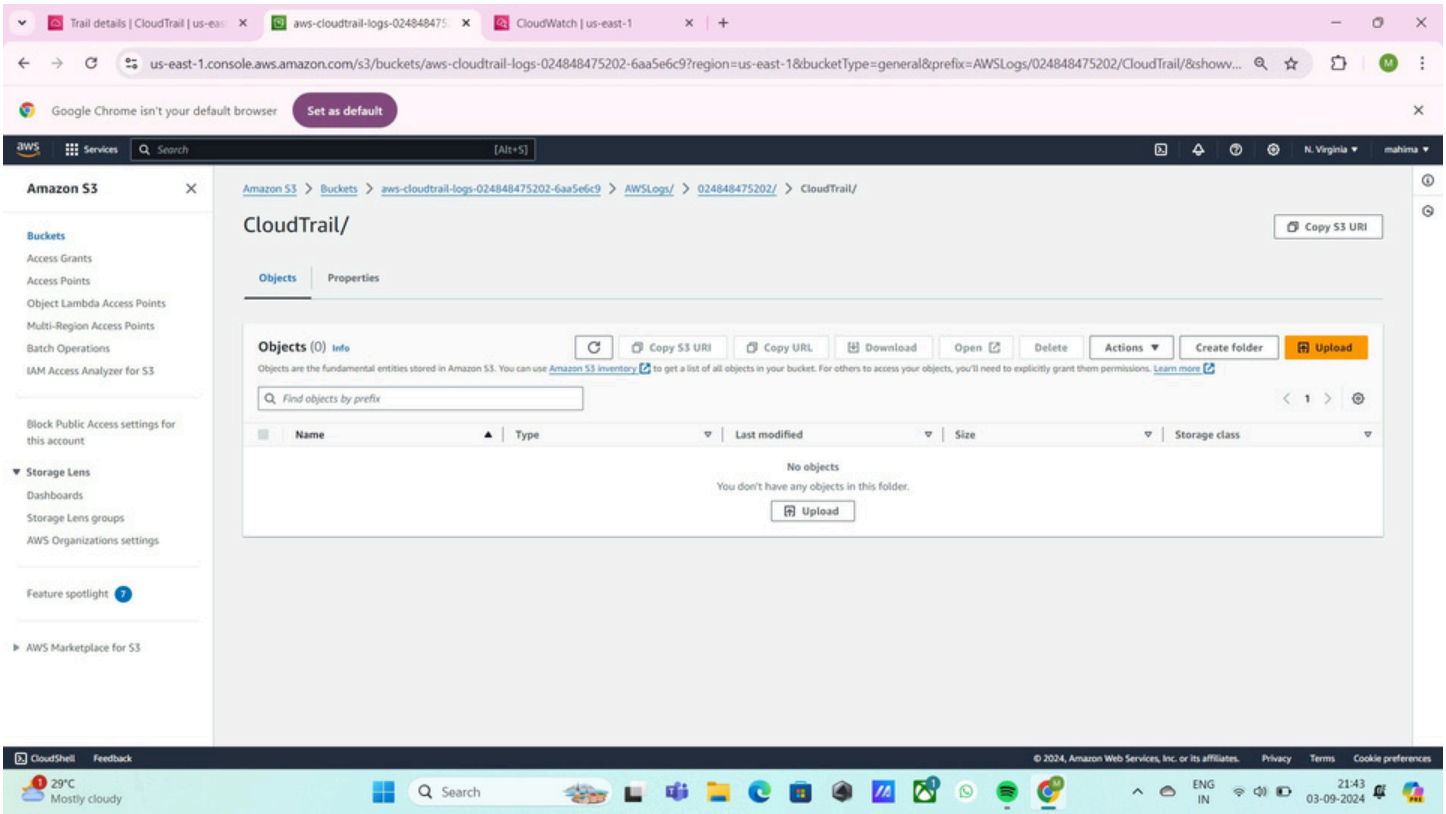




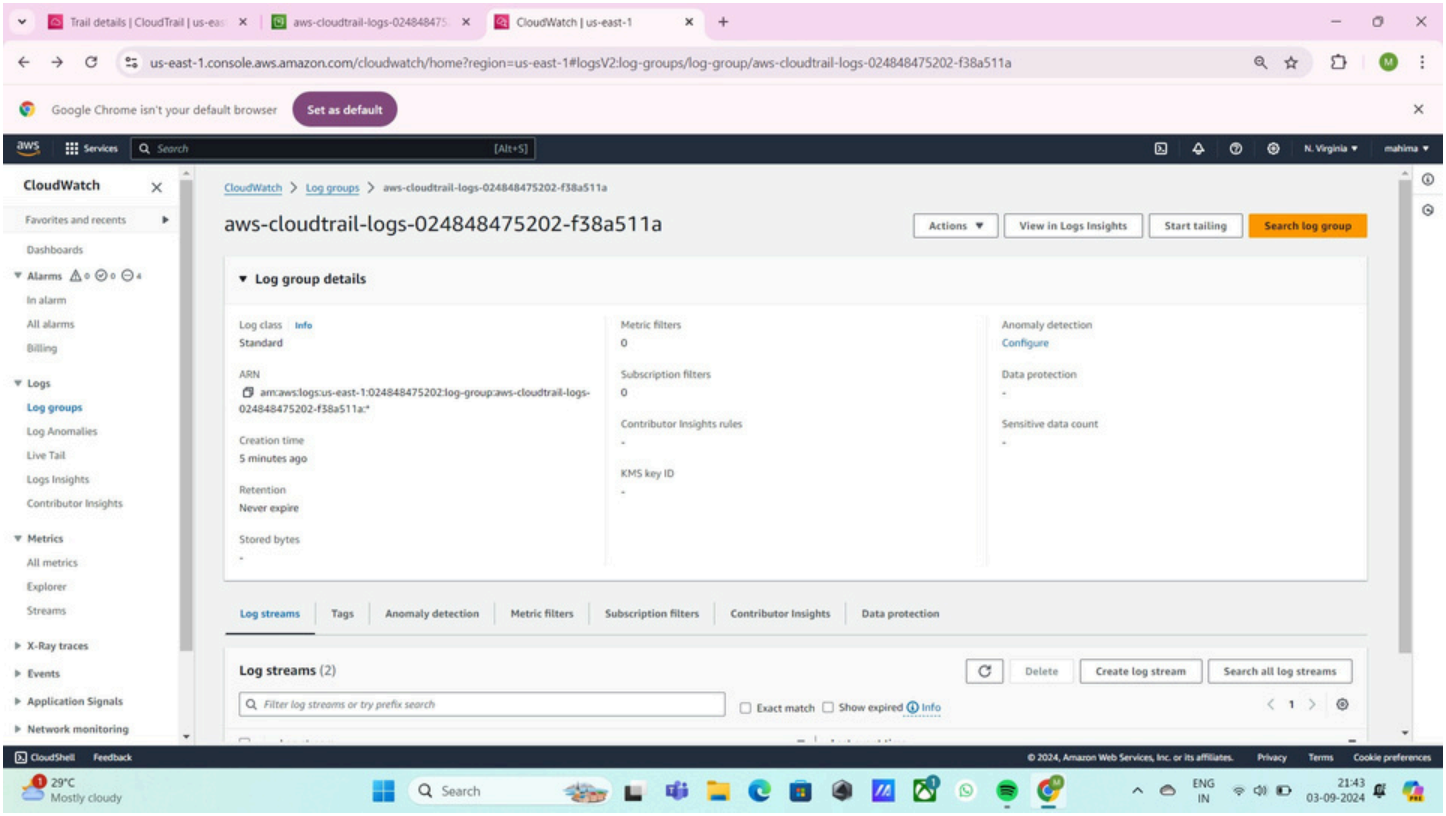
4.Trail created Successfully

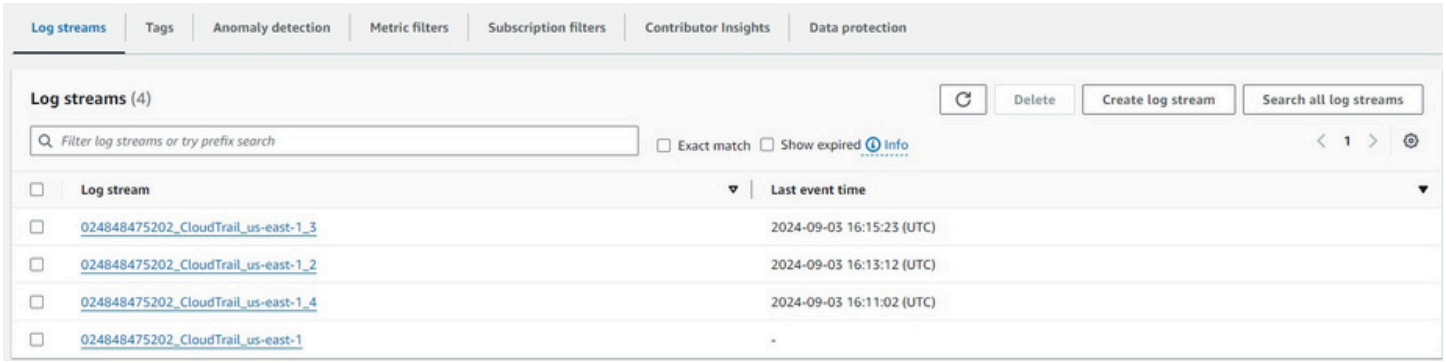


5.Go for Buckets in the left navigation pane and then check whether the bucket is created or not.

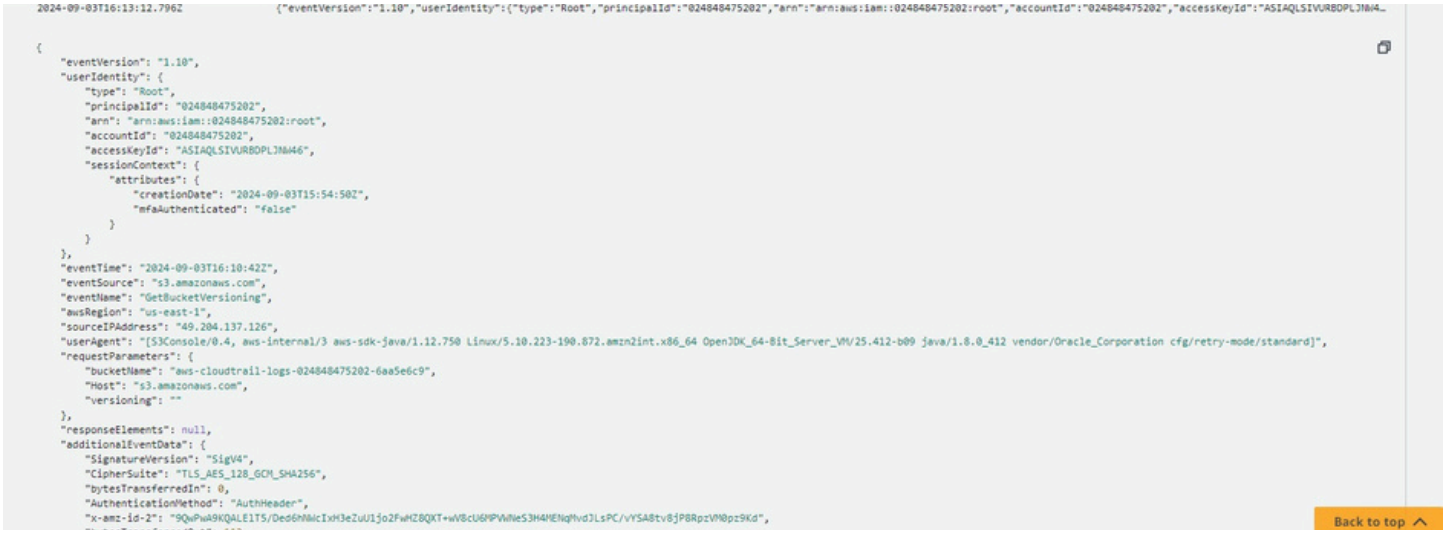


--The log streams are in log grops where every logs are recorded.

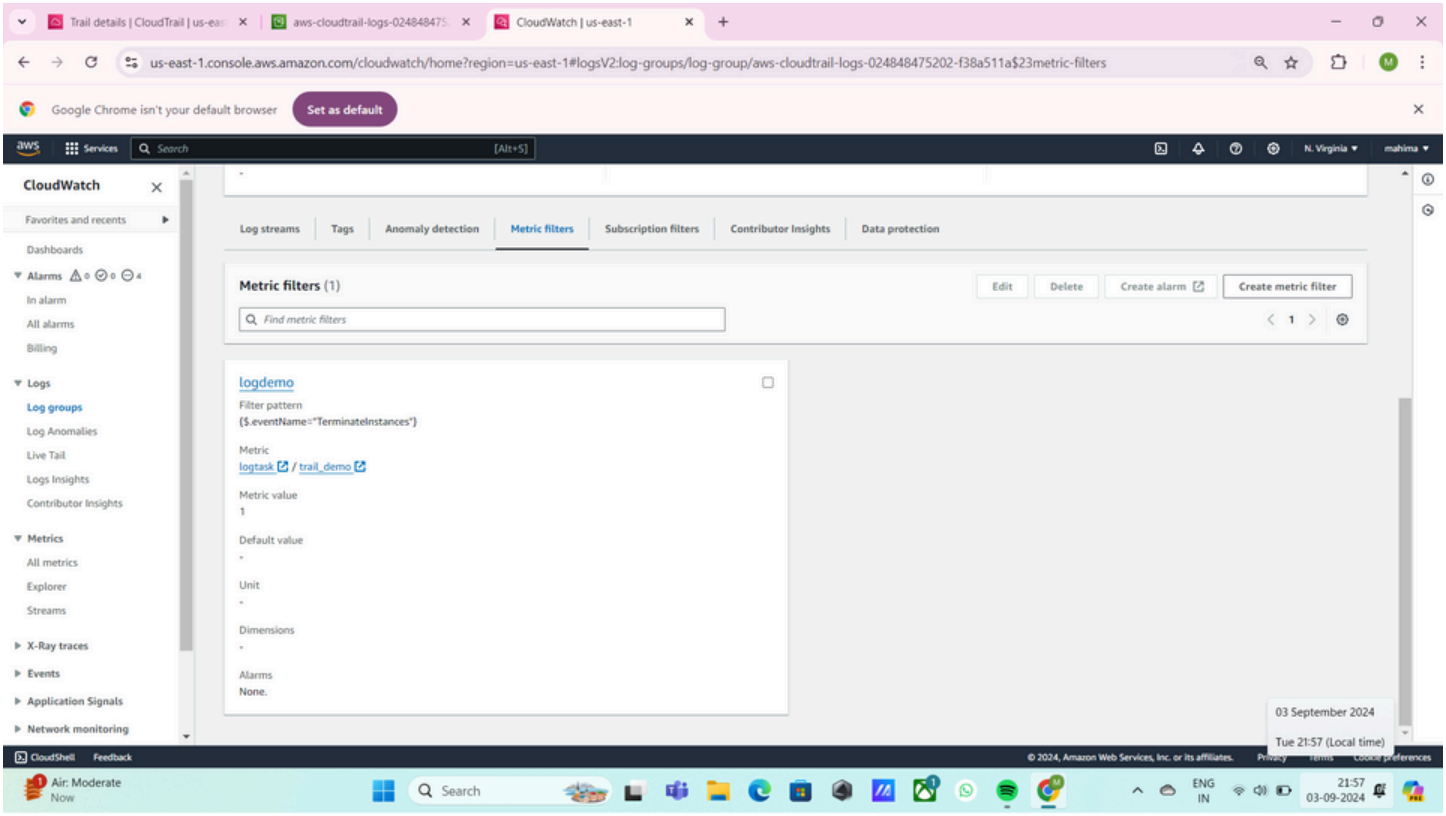


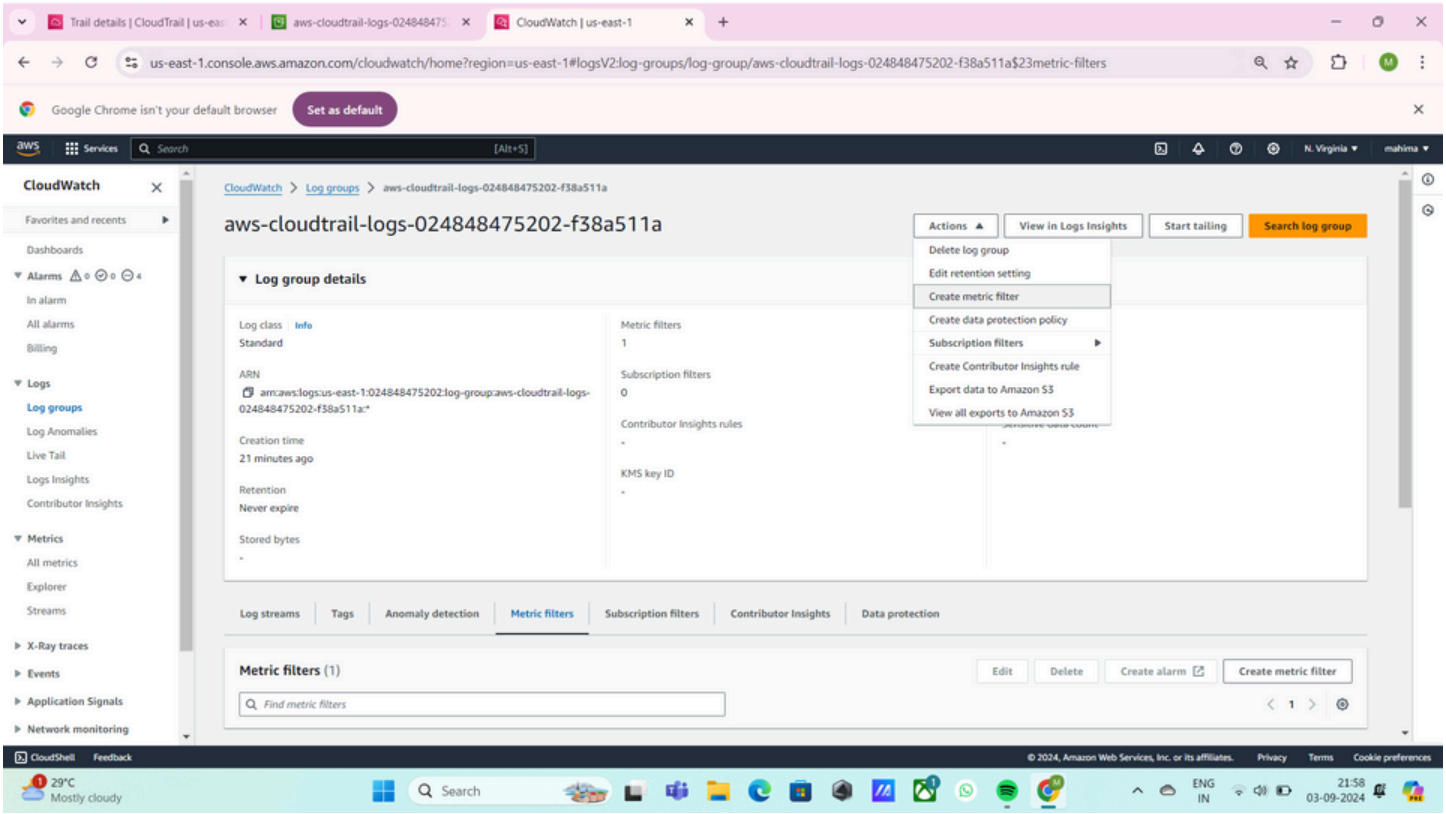


--The format of logs are shown down.



6.create the Filter Pattern for metric.Here I created {$.eventName=”TerminateInstances”}.it indicates that an event with the name TerminateInstances has occurred or is being tracked.

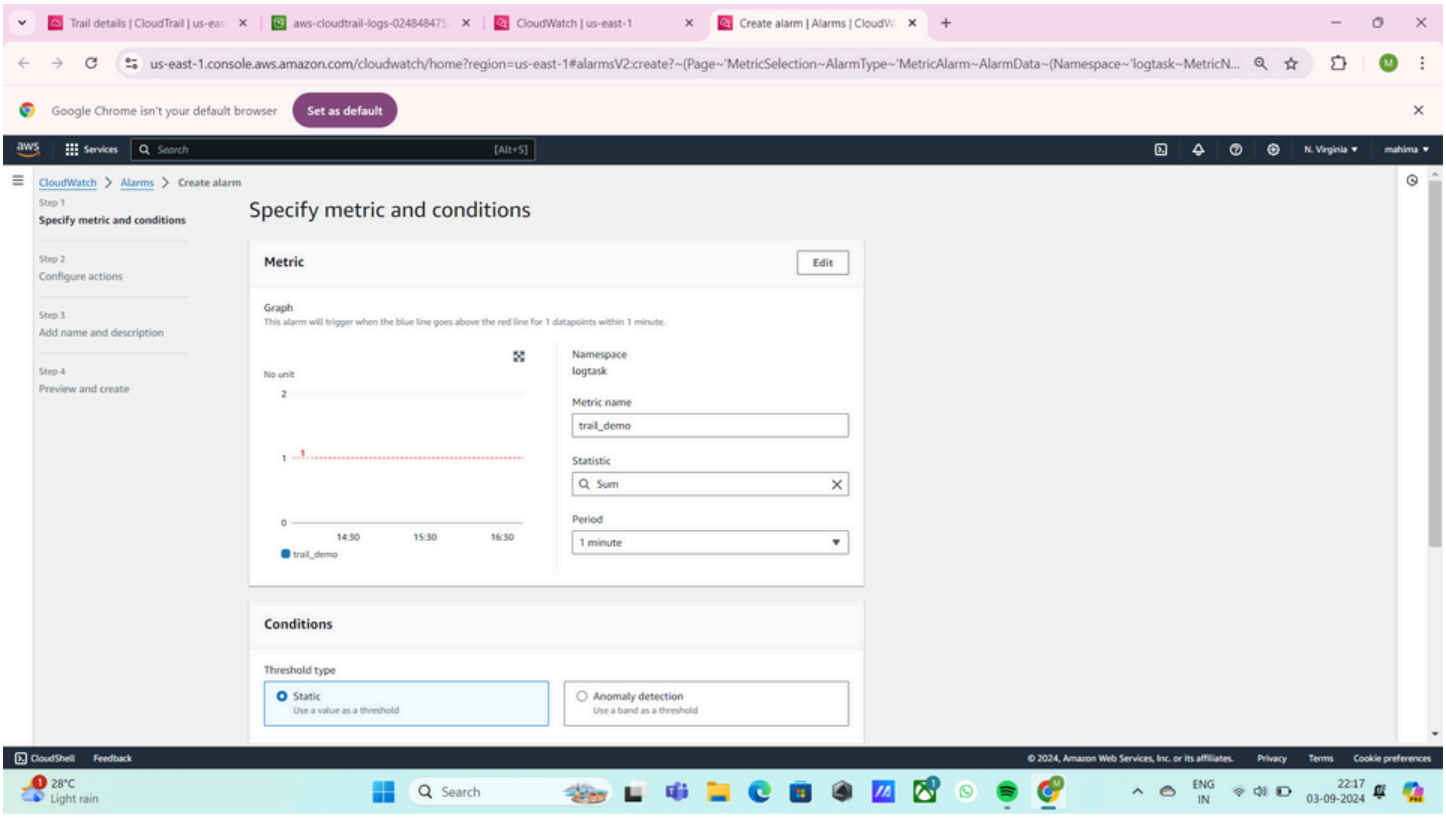


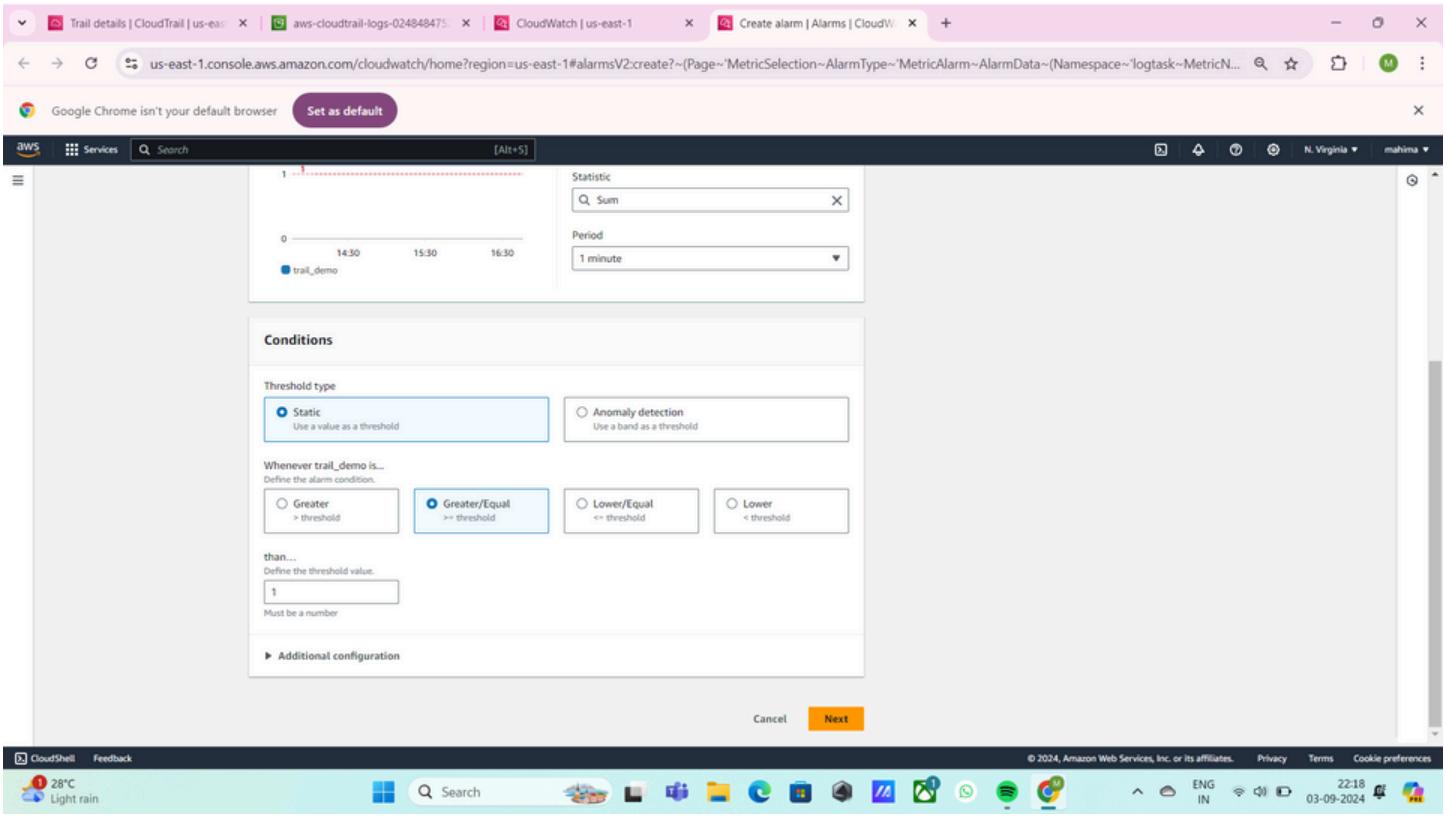


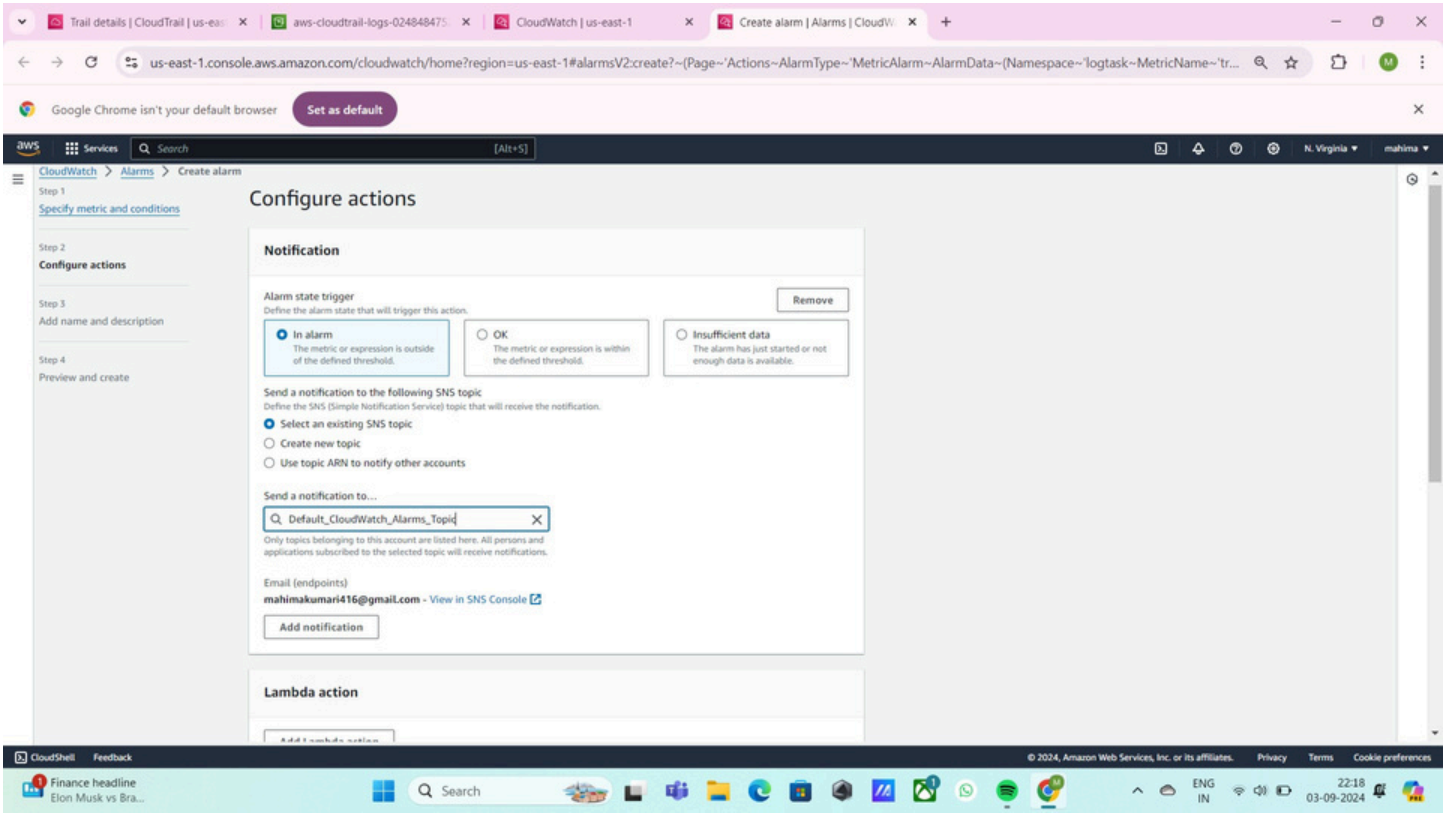
7.Open cloudwatch console to create alarm for creating alarm we need to specify metrics and conditions and configure the actions.
Configure Actions

- **Choose the actions to take when the alarm state is triggered:**
- **Send a notification to an SNS topic: Select or create an SNS topic and add the necessary recipients (e.g., email, SMS).**

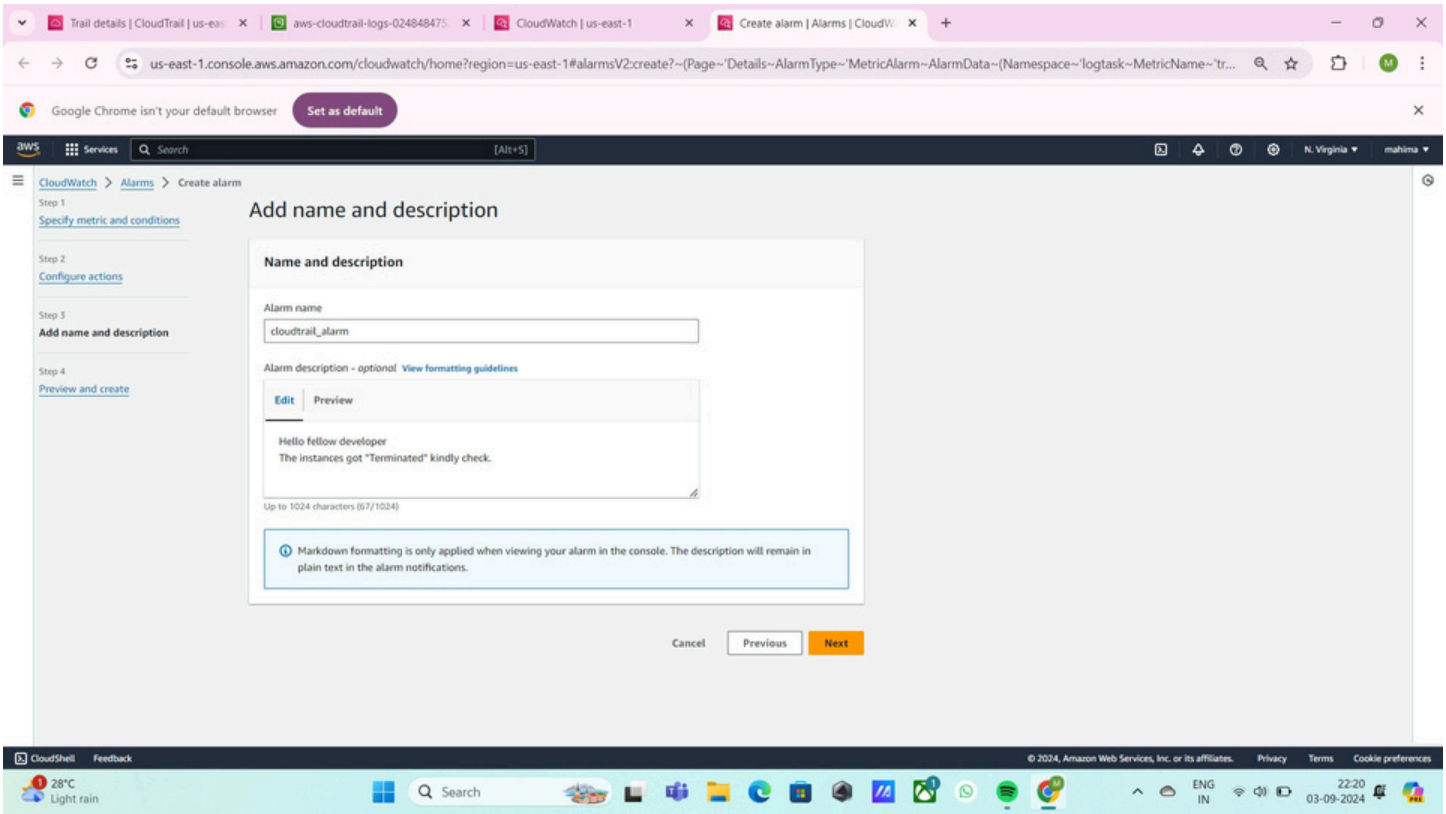
EC2 action: Stop, terminate, reboot, or recover an EC2 instance.

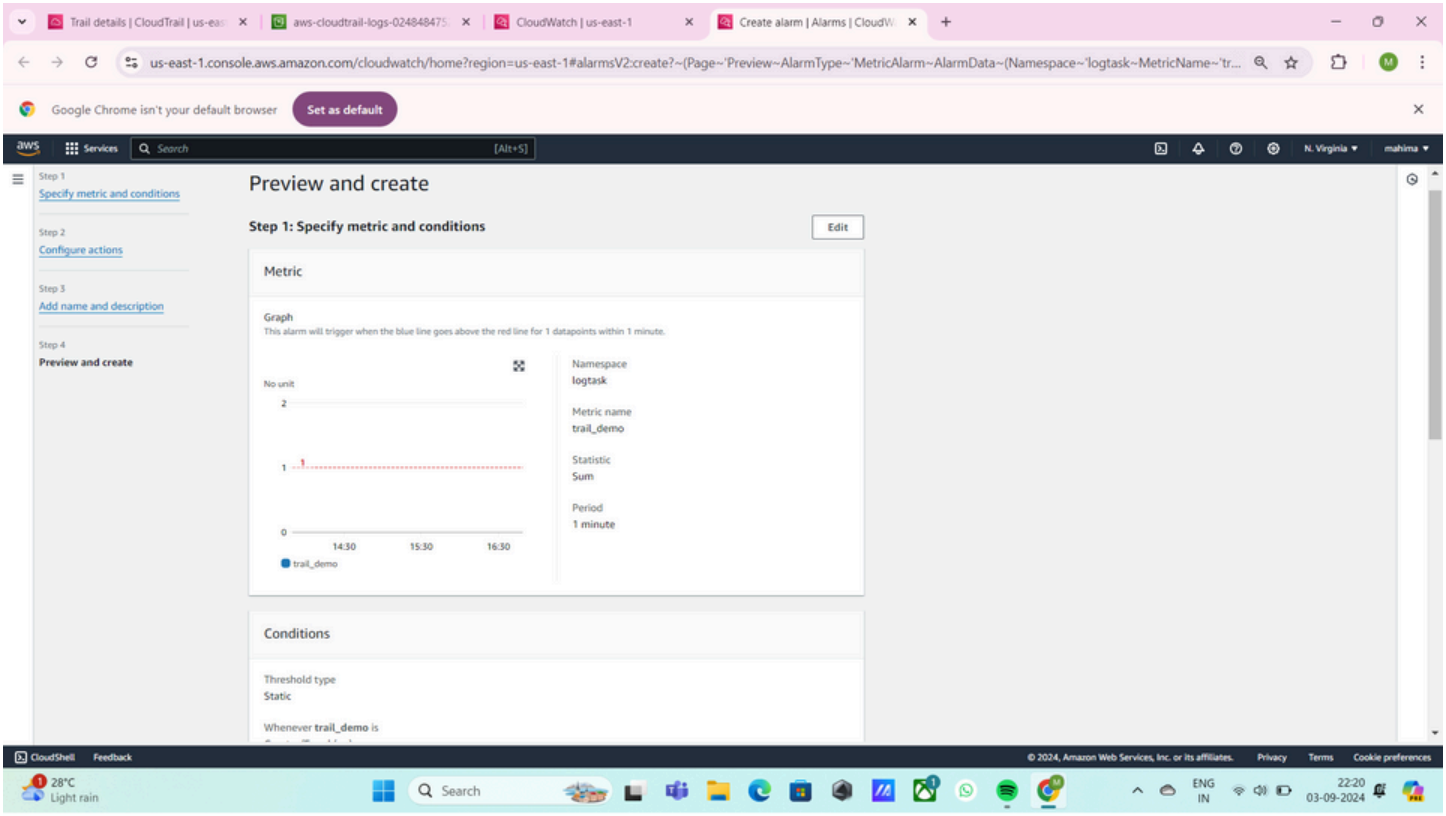


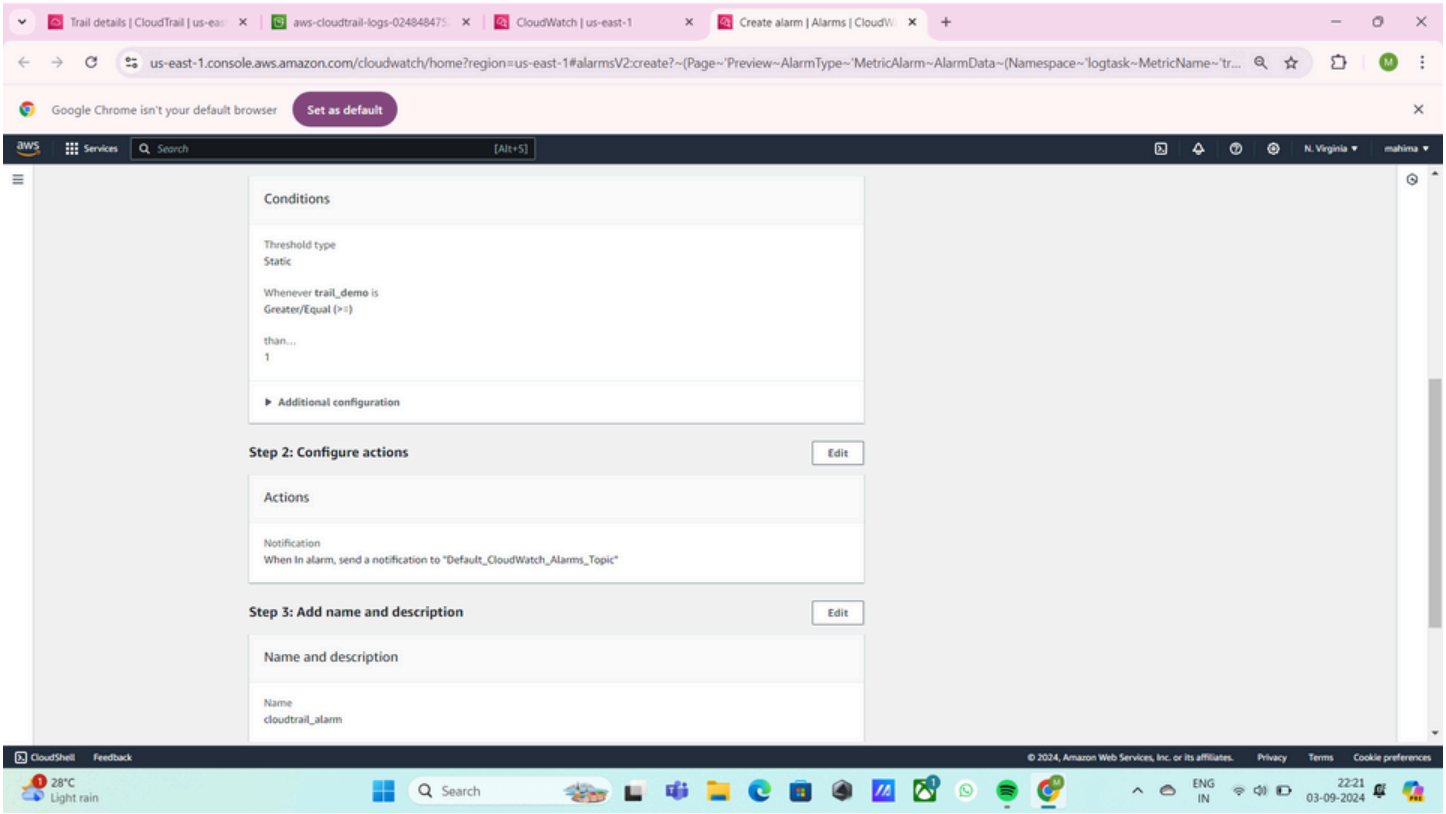


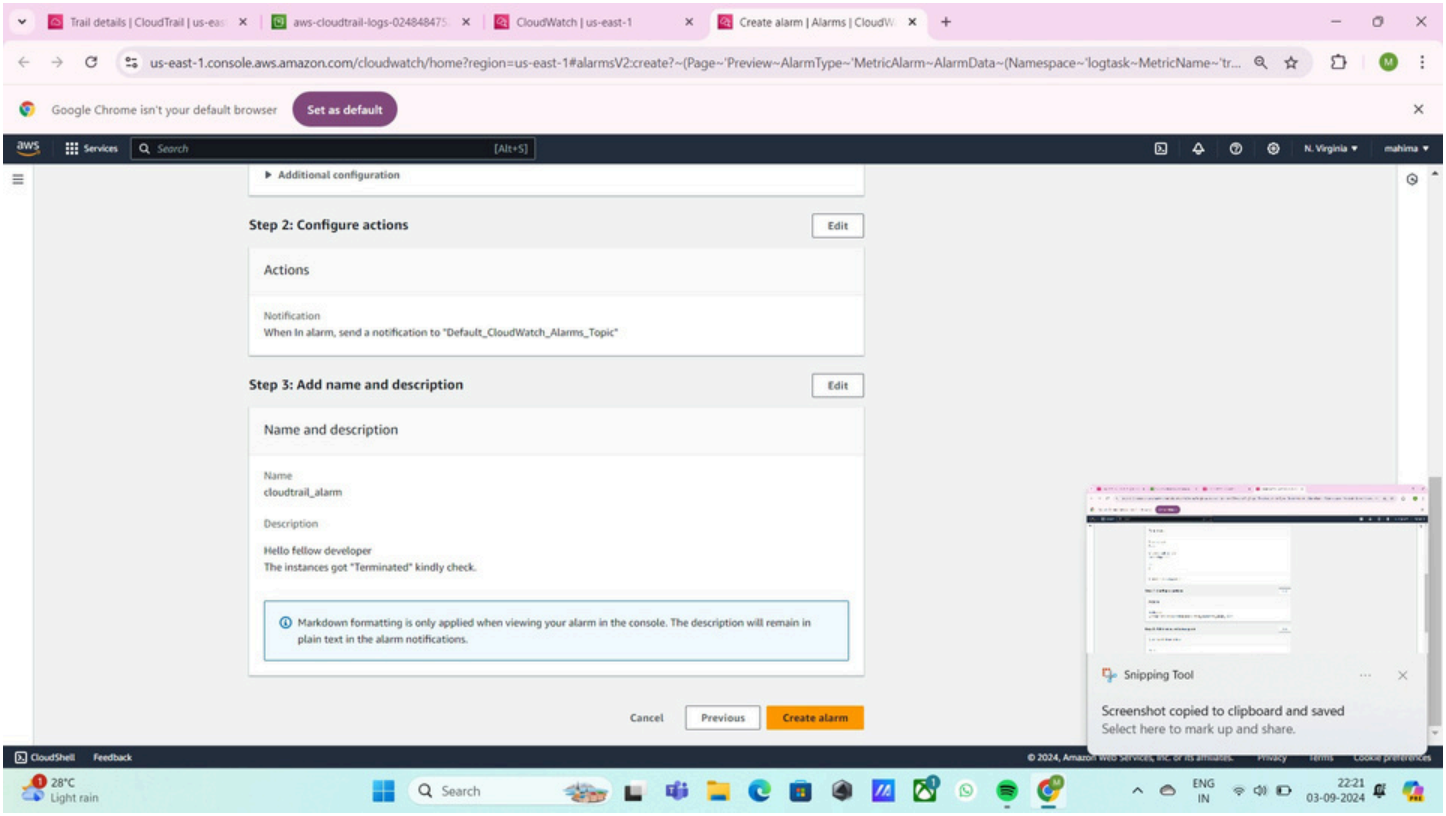


8.Add name and description for Alarm and after that preview and create.

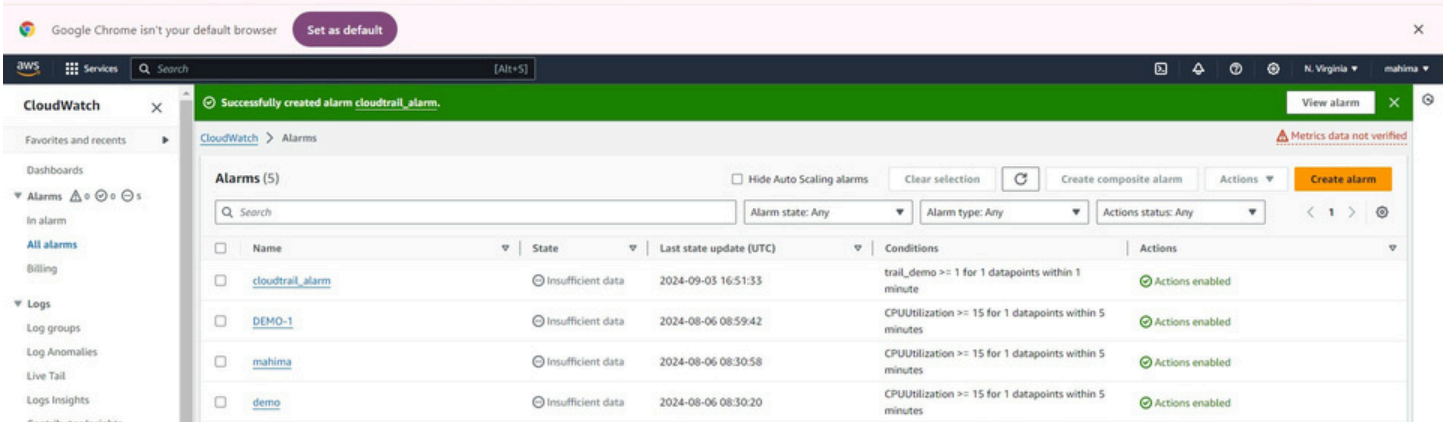



Trail details | CloudTrail | us-east
aws-cloudtrail-logs-024848475
CloudWatch | us-east-1
Create alarm | Alarms | CloudW
us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:create?~(Page~'Preview~AlarmType~'MetricAlarm~AlarmData~(Namespace~'logtask~MetricName~'tr...
Google Chrome isn't your default browser
Set as default
Services
Search
[Alt+S]
N. Virginia
mahima
Step 1
Specify metric and conditions
Step 2
Configure actions
Step 3
Add name and description
Step 4
Preview and create
Preview and create
Step 1: Specify metric and conditions
Edit
Metric
Graph
This alarm will trigger when the blue line goes above the red line for 1 datapoints within 1 minute.
No unit
2
1
0
14:30
15:30
16:30
trail_demo
Namespace
logtask
Metric name
trail_demo
Statistic
Sum
Period
1 minute
Conditions
Threshold type
Static
Whenever trail_demo is
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
28°C
Light rain
Search
ENG
IN
22:20
03-09-2024

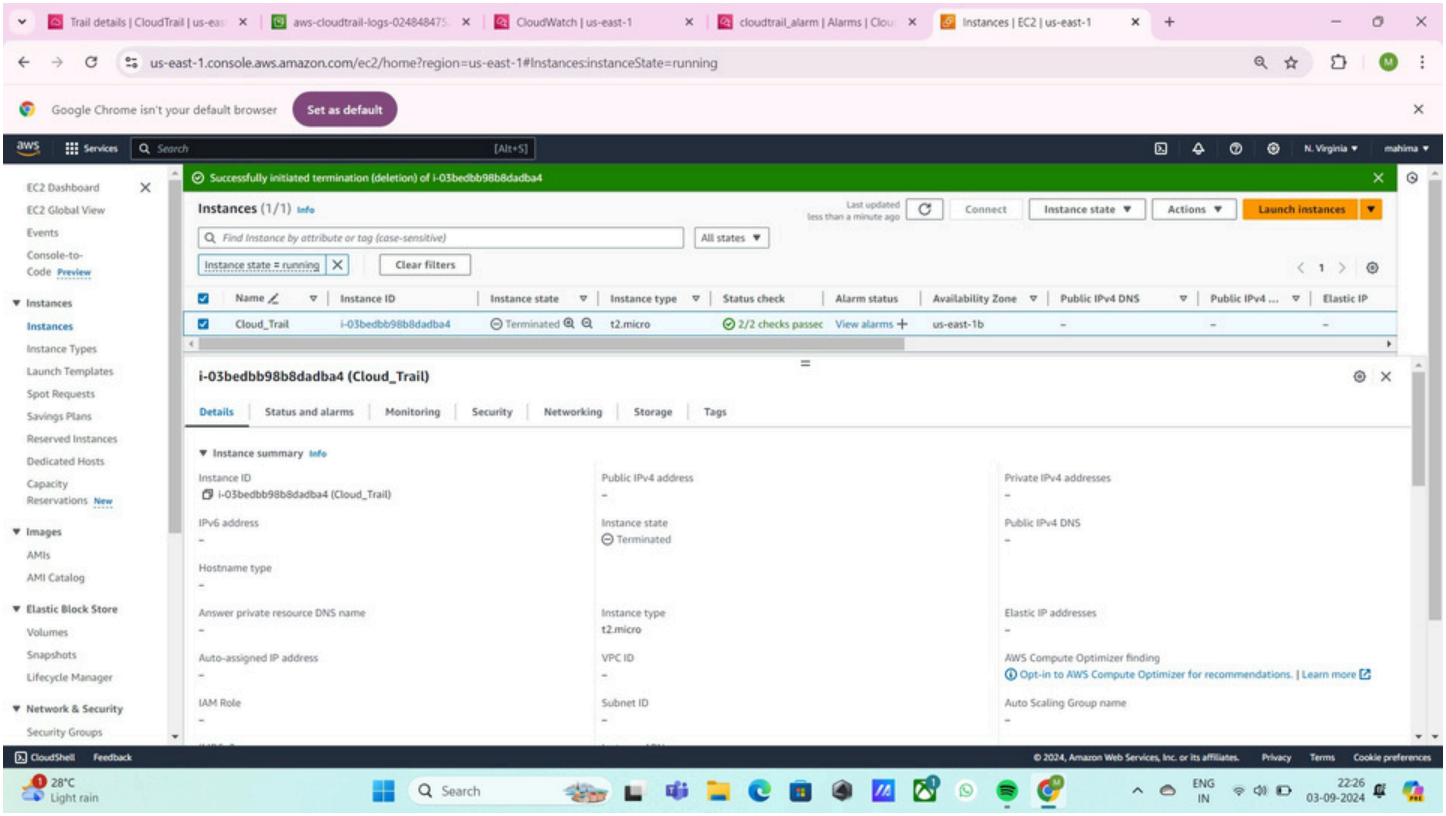

Trail details | CloudTrail | us-east
aws-cloudtrail-logs-024848475
CloudWatch | us-east-1
Create alarm | Alarms | CloudW
us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:create?~(Page~'Preview~AlarmType~'MetricAlarm~AlarmData~(Namespace~'logtask~MetricName~'tr...
Google Chrome isn't your default browser
Set as default
Services
Search
[Alt+S]
N. Virginia
mahima
Conditions
Threshold type
Static
Whenever trail_demo is
Greater/Equal (>=)
than...
1
Additional configuration
Step 2: Configure actions
Edit
Actions
Notification
When In alarm, send a notification to "Default_CloudWatch_Alarms_Topic"
Step 3: Add name and description
Edit
Name and description
Name
cloudtrail_alarm
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
28°C
Light rain
Search
ENG
IN
22:21
03-09-2024



--Successfully created alarm.

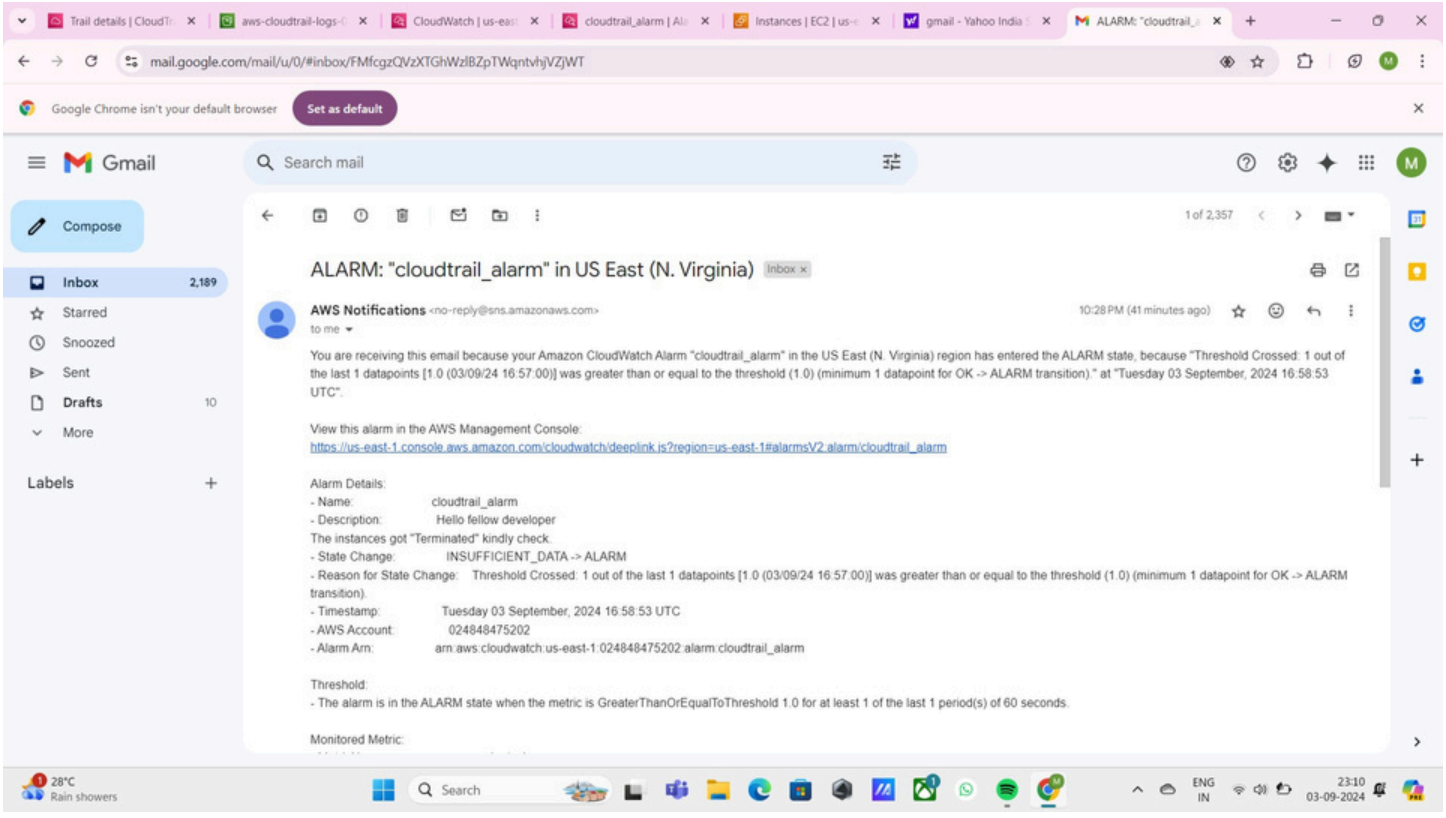


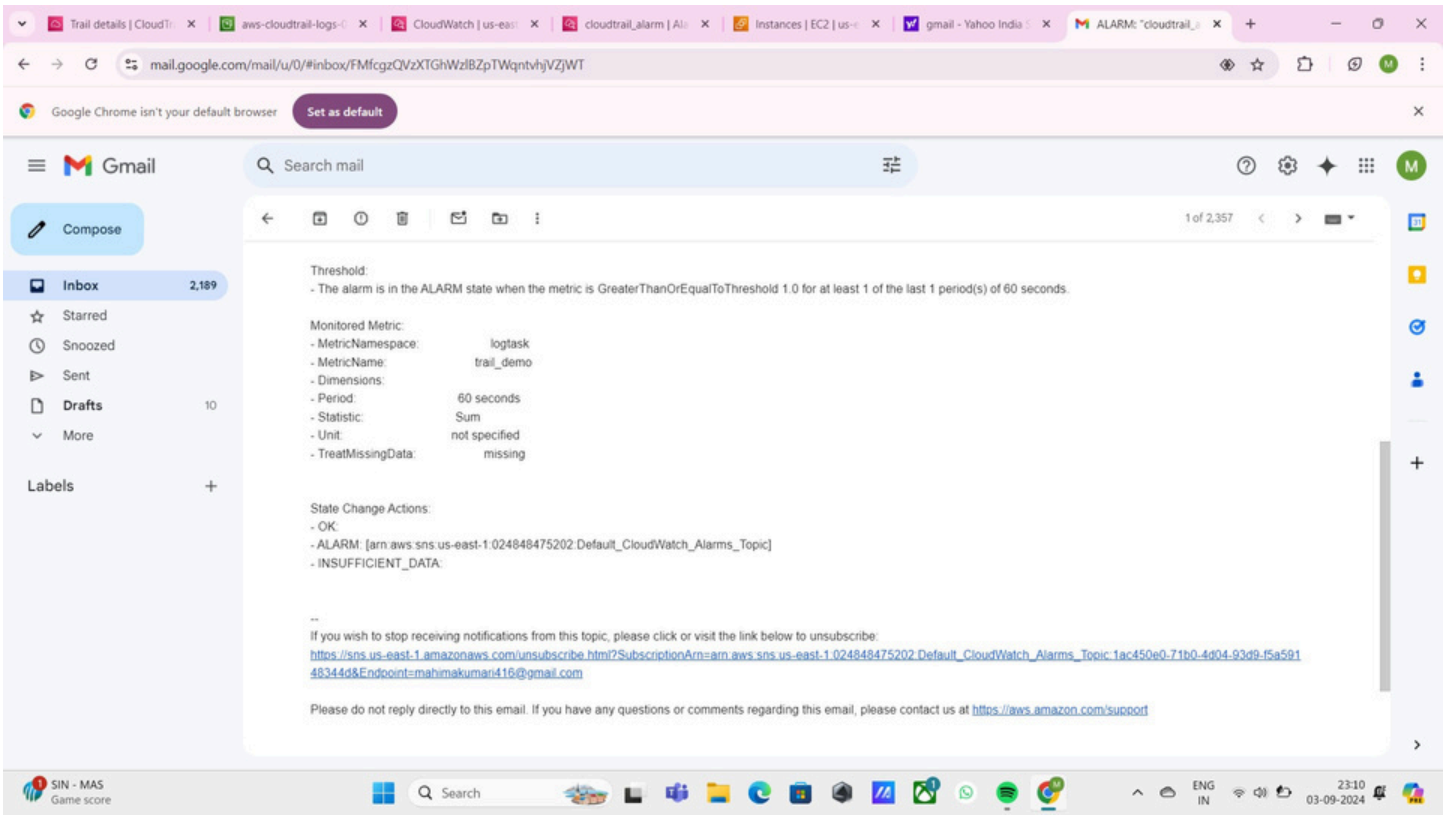
9.The termination state will be initiated for the created EC2 instance.



10.If you already have subscription then you can use the same endpoint.

--Here the alarm is triggered when the instance got terminated.




Trail details | CloudTr
aws-cloudtrail-logs-
CloudWatch | us-east
cloudtrail_alarm | Ala
Instances | EC2 | us-e
gmail - Yahoo India
ALARM: "cloudtrail_a
mail.google.com/mail/u/0/#inbox/FMfcgzQVzXTGhWzlBZpTWqntvhjVZjWT
Google Chrome isn't your default browser
Set as default
Gmail
Search mail
Compose
Inbox 2,189
Starred
Snoozed
Sent
Drafts 10
More
Labels
1 of 2,357
Threshold:
- The alarm is in the ALARM state when the metric is GreaterThanOrEqualToThreshold 1.0 for at least 1 of the last 1 period(s) of 60 seconds.
Monitored Metric:
- MetricNamespace: logtask
- MetricName: trail_demo
- Dimensions:
- Period: 60 seconds
- Statistic: Sum
- Unit: not specified
- TreatMissingData: missing
State Change Actions:
- OK:
- ALARM: [arn:aws:sns:us-east-1:024848475202:Default_CloudWatch_Alarms_Topic]
- INSUFFICIENT_DATA:
--
If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:
https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:024848475202:Default_CloudWatch_Alarms_Topic:1ac450e0-71b0-4d04-93d9-f5a59148344d&Endpoint=mahimakumari416@gmail.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
SIN - MAS
Game score
Search
ENG
IN
23:10
03-09-2024