Week 4: Implementing Cloud Logging and Monitoring

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- Task- 1) Enable CloudTrail/Cloud Audit Logs.
 - 2) Configure alerts for suspicious activity.
 - 3) Document findings.

Task 1- Enable Cloud Trail/ Cloud Audit Logs.

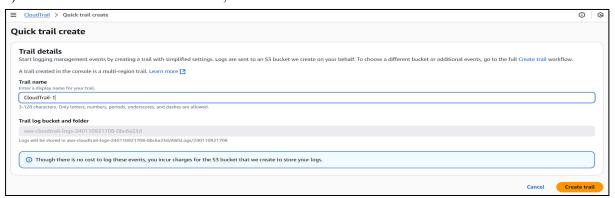
- 1) Log in to AWS Console.
- 2) Search & open CloudTrail from the Services menu.



3) Click to Create Trail.

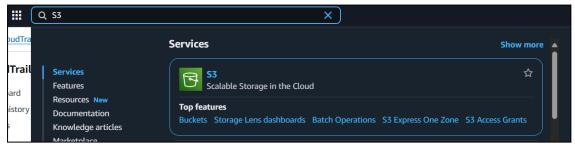


4) Fill in Trail Name CloudTrail-1, and then click to create Trail.





5) Set up S3 Bucket to store logs: Create a new bucket.



6) Enable CloudWatch Logs, Create new Log Group:/aws/cloudtrail/logs, Allow to create IAM role automatically, then click Create trail.

Task 2- Configure alerts for suspicious activity.

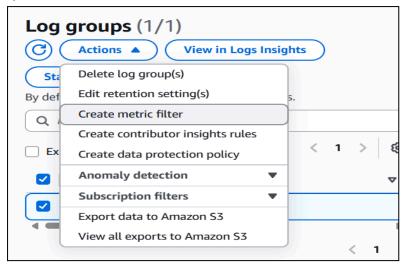
1) Go to CloudWatch, Log Groups.



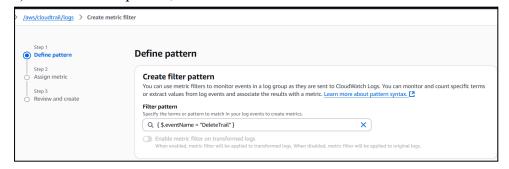
2) Select your log group: /aws/cloudtrail/logs



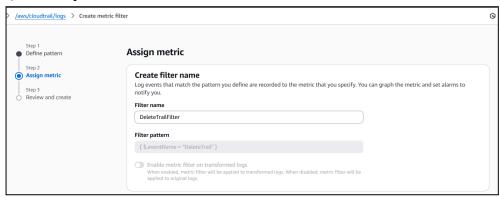
3) Click Actions→ Create Metric Filter.



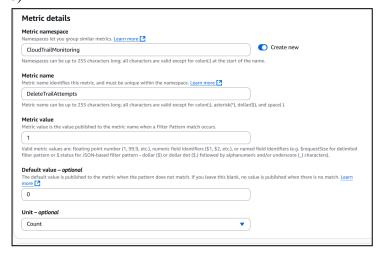
4) Paste the filter pattern, and then click Next.



5) Next step is to create a filter name. Enter the filter Name.



6) Then Enter the Matrix Details.



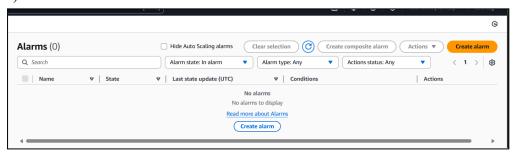
7) Then click Create Matrix.



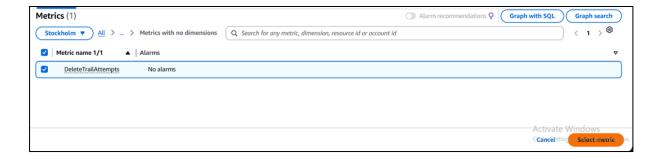
8) Matrix filter created successfully.



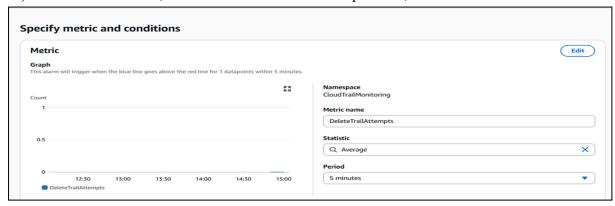
9) Go to CloudWatch→ Alarms→ Create Alarm.



10) Select Metric



11) Set threshold: Static, Condition: Greater than or equal to 1, Period: 5 minutes.



12) Set Condition, and then click Next

onditions				
reshold type				
Static Use a value as a threshold		Anomaly detection Use a band as a threshold		
Thenever DeleteTrailAttempts is efine the alarm condition.				
Greater > threshold	Greater/Equal >= threshold	Cower/Equal <= threshold	Cower < threshold	
tefine the threshold value.				
Additional configuration				

13) Add Configure action Details



14) Add Alarm Details, and then click Next.



15) Set Alarm Successfully

