SG config change.
 AWS console login failure multiple times.
 Root account login.
 Change in any resource policy.
 Source IP is outside India or US

For this

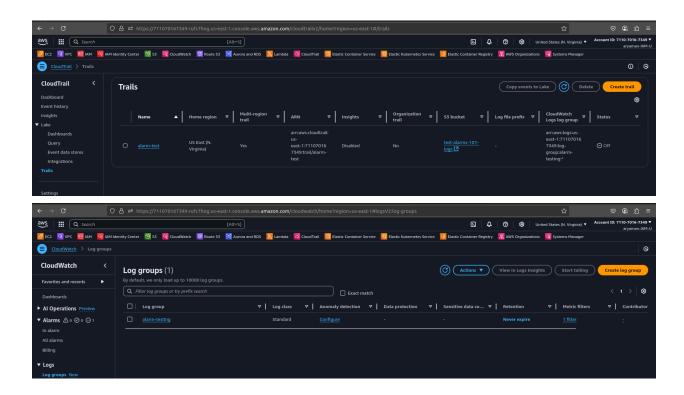
5. Source IP is outside India or US For this i have to use AWS WAF or cloudfront because by default cloudwatch does not support geographical origin of a request

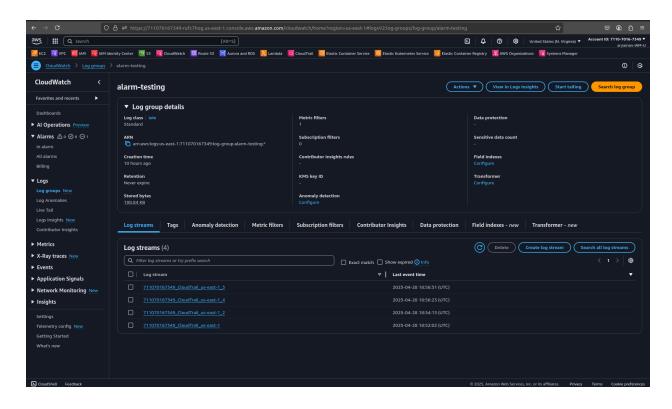
6. Deletion of any PEM key from EC2 console. **Done** 

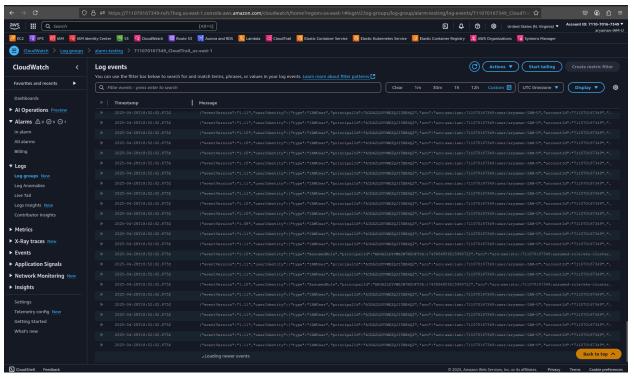
- 7. Any account is given an admin access policy.
- 8. Notify when a new IAM user is made from any other account instead of root account.
- 9. Any new route is created in a VPC.
- 10. If someone creates a custom policy.
- 11. Someone tried to SSH into an EC2 but his IP was not allowed. **Done**
- 12. No MFA console login. **Done**
- 13. Cloudtrail config changes.
- 14. Unothorised API calls.
- 15. Changes in KMS keys. **Done**
- 16. Applying any role to any service.
- 17. Unused resources.

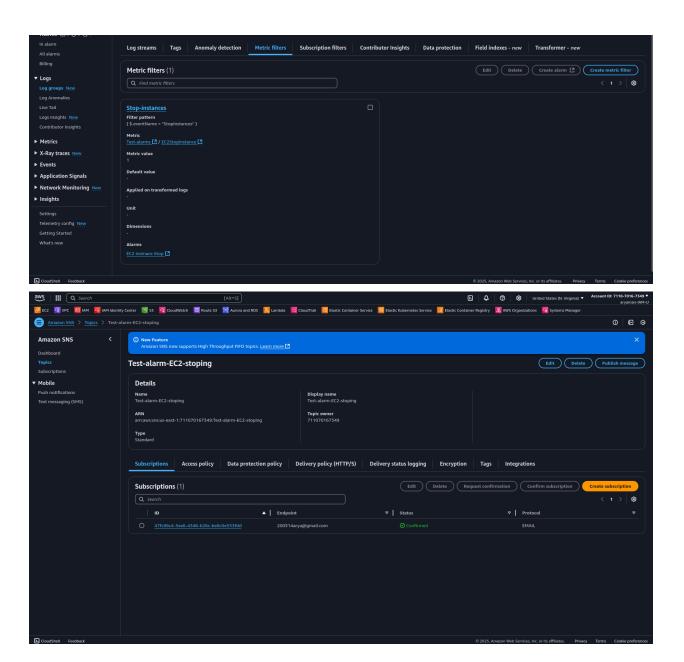
## Steps to set up an alarm:

- 1. Go to cloudtrail make a trail choose an option to send trail logs to cloudwatch to create a log group.
- 2. Then go to cloudwatch and then select the log group that you want to set up an alarm for.
- 3. There would be multiple data streams that select your desired data stream.
- 4. And then click on to create a metric filter.
- 5. After creating the alarm test the pattern from the sample data.
- 6. And then connect that metric filter to an alarm.

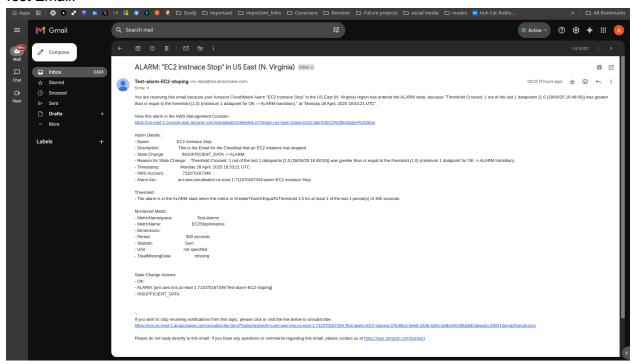








## Test Email:



## Setting up alarms:

chnage in SG	
Filter pattern	
{ \$.eventName = "AuthorizeSecurityGroupIngress" }	
Metric	
Test-alarms [2] / chnage in SG [2]	
Metric value	
1	
Default value	
-	
Applied on transformed logs	
Unit	
-	
Dimensions	
-	
Alarms	
change in SG 🛂	

