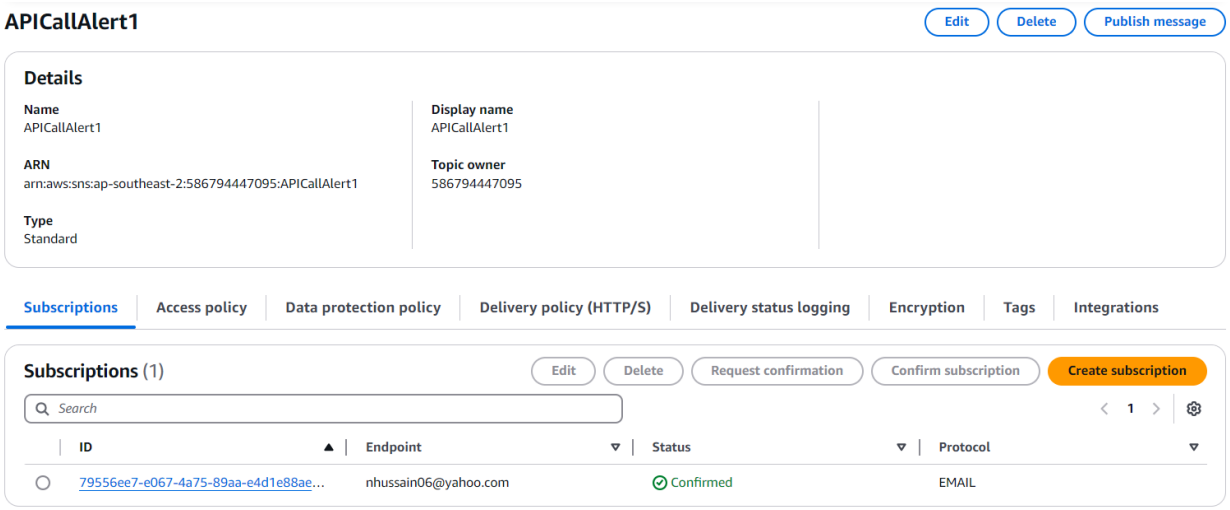
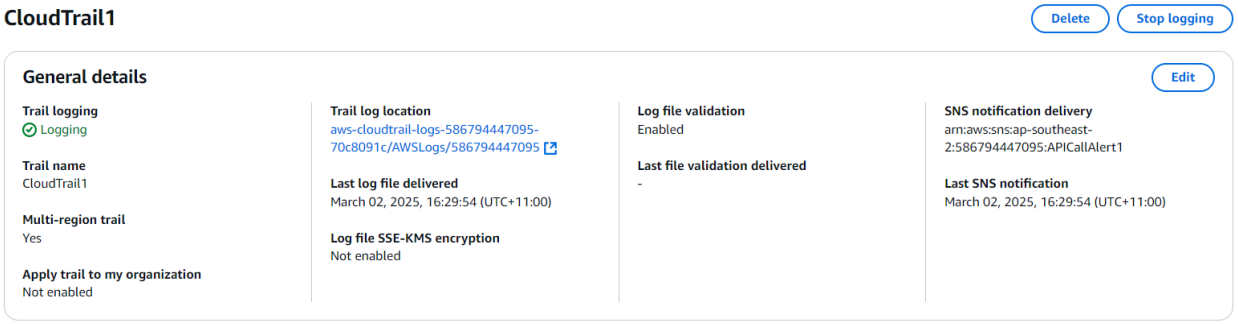
Cyber Security AWS Cloud Home Lab Setup

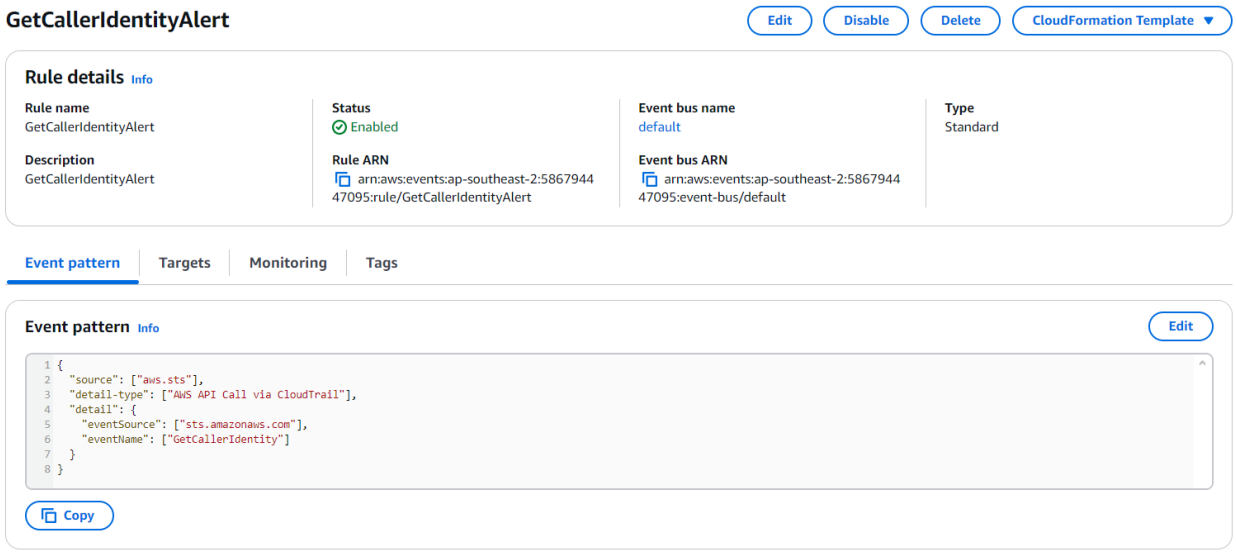
Amazon Simple Notification Service (SNS) - Topic and Subscription



AWS CloudTrail - Trail

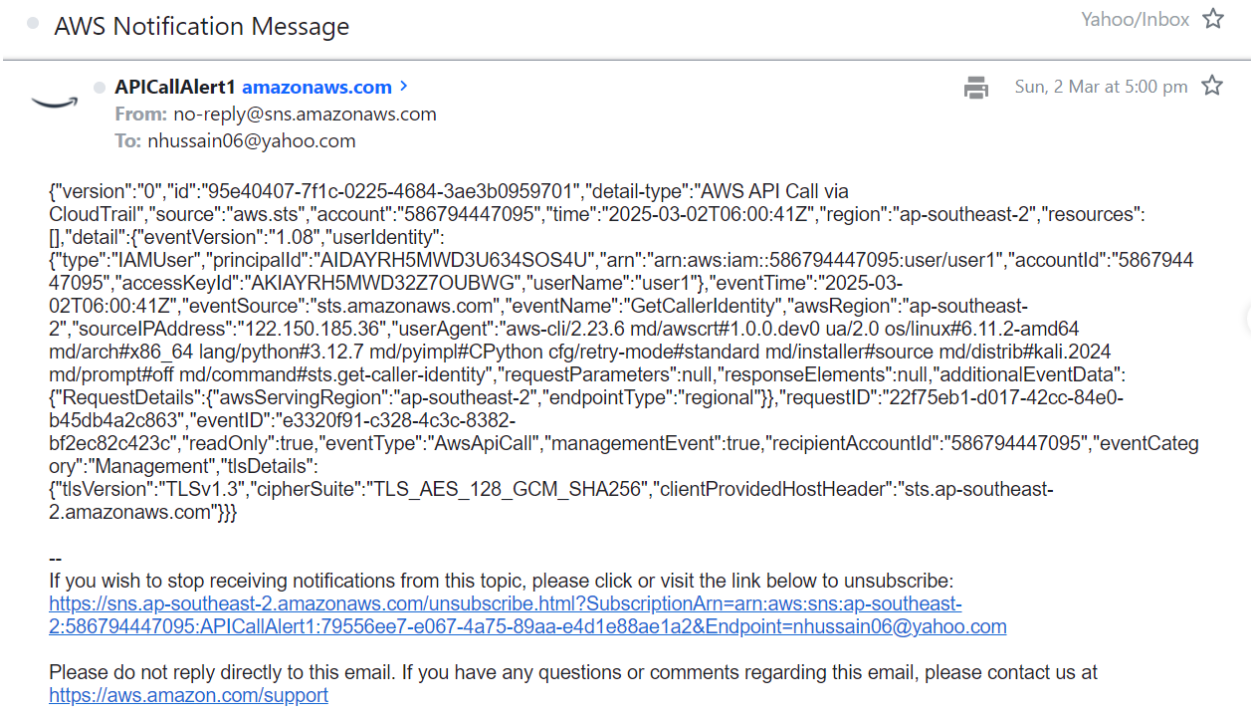


AWS EventBridge - Rule



Testing - Kali Linux

Email Notification



AWS Notification Message

Yahoo/Inbox

APICallAlert1 amazonaws.com

From: no-reply@sns.amazonaws.com

To: nhussain06@yahoo.com

Sun, 2 Mar at 5:00 pm

{"version":"0","id":"95e40407-7f1c-0225-4684-3ae3b0959701","detail-type":"AWS API Call via CloudTrail","source":"aws.sts","account":"586794447095","time":"2025-03-02T06:00:41Z","region":"ap-southeast-2","resources":[],"detail":{"eventVersion":"1.08","userIdentity":{"type":"IAMUser","principalId":"AIDAYRH5MWD3U634SOS4U","arn":"arn:aws:iam::586794447095:user/user1","accountId":"586794447095","accessKeyId":"AKIAYRH5MWD32Z7OUBWG","userName":"user1"},"eventTime":"2025-03-02T06:00:41Z","eventSource":"sts.amazonaws.com","eventName":"GetCallerIdentity","awsRegion":"ap-southeast-2","sourceIPAddress":"122.150.185.36","userAgent":"aws-cli/2.23.6 md/awscrt#1.0.0.dev0 ua/2.0 os/linux#6.11.2-amd64 md/arch#x86_64 lang/python#3.12.7 md/pyimpl#CPython cfg/retry-mode#standard md/installer#source md/distrib#kali.2024 md/prompt#off md/command#sts.get-caller-identity","requestParameters":null,"responseElements":null,"additionalEventData":{"RequestDetails":{"awsServingRegion":"ap-southeast-2","endpointType":"regional"}},"requestID":"22f75eb1-d017-42cc-84e0-b45db4a2c863","eventID":"e3320f91-c328-4c3c-8382-bf2ec82c423c","readOnly":true,"eventType":"AwsApiCall","managementEvent":true,"recipientAccountId":"586794447095","eventCategory":"Management","tlsDetails":{"tlsVersion":"TLSv1.3","cipherSuite":"TLS_AES_128_GCM_SHA256","clientProvidedHostHeader":"sts.ap-southeast-2.amazonaws.com"}}}

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