25-05-2024

**Simple Notifciation service ( SNS )**

Notification Mechanism

1. Notification from AWS Native services to your email >>>> SNS

2. Notification from AWS Native services to your SMS >>>> SNS

3. Notification from AWS Native service when there is any action >>> SNS

4. Notification from one AWS service to another AWS service >>> SNS

SNS with S3

https://docs.aws.amazon.com/AmazonS3/latest/userguide/ways-to-add-notification-config-to-bucket.html#step1-create-sns-topic-for-notification

Step 1 - Create a SNS topic if not already , Go to AWS Console and open SNS service

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Check the Topics are created or Noe if not create the topic

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Choose Standard

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Give a name

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Then Click on create topic rest all leave it .

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Topic created

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Step 2 - Add a Subscriptions >>> email and SMS >>> get that verified

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Select protocol as email and endpoint email address

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Click on create subscription

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Go to your email and and click on pendimg subscription

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Now Status is showing confirmed.

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Now copy the url and paste in browser and copy the

<https://docs.aws.amazon.com/AmazonS3/latest/userguide/ways-to-add-notification-config-to-bucket.html#step1-create-sns-topic-for-notification>

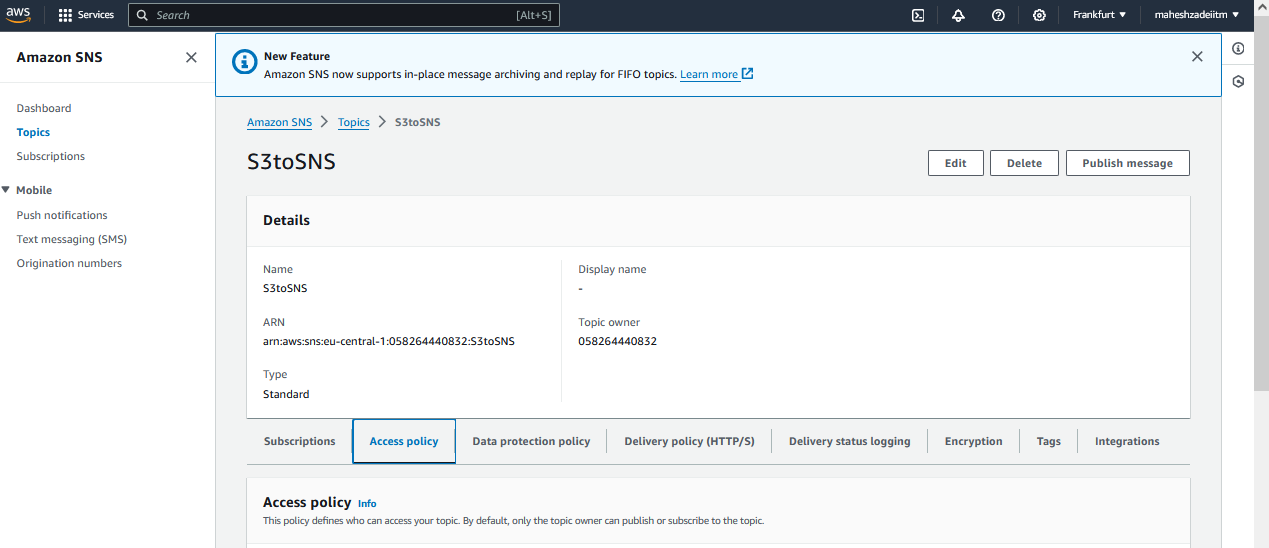
Copy the access policy

From the url and paste in the SNS policy

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Edit SNS , go to access policy and click on edit



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Step 3 - Edit your SNS and go to the Access Policy

Step 4 - Copy the policy from the above URL

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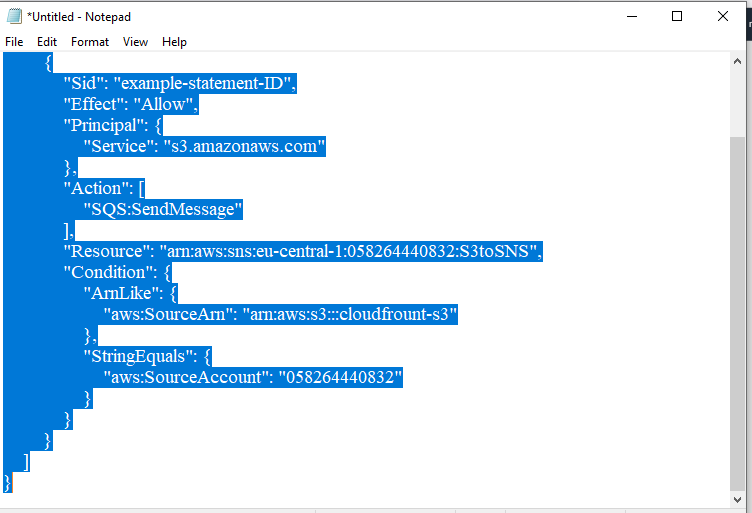
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Description automatically generated

And replace the policy copy and paste

And update below parameters

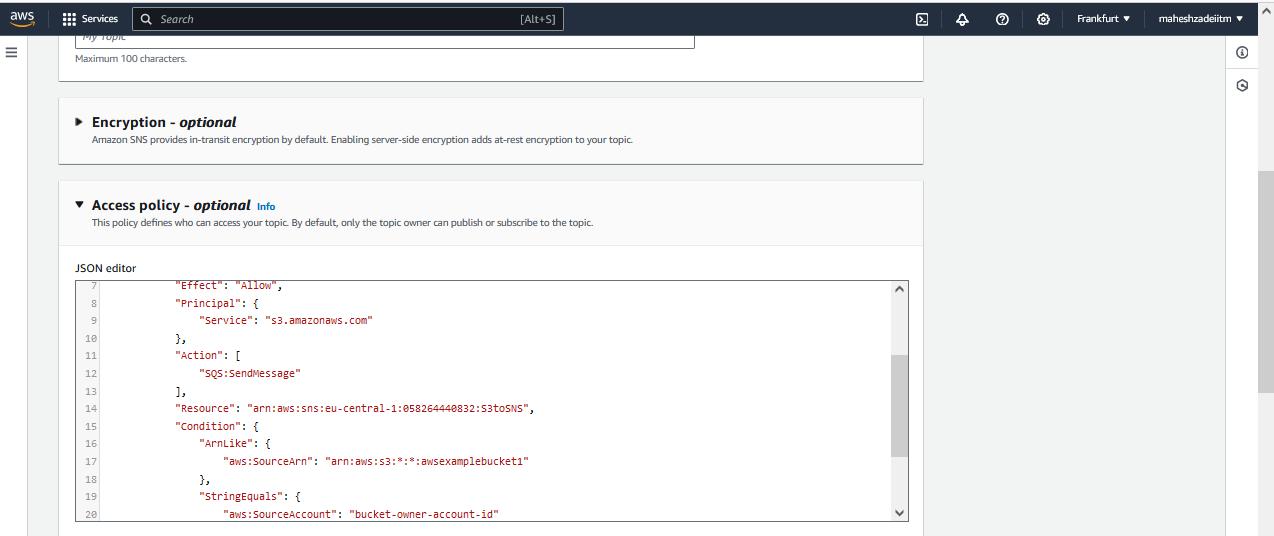


SNS-topic-ARN >>>> SNS ARN

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arn:aws:s3:\*:\*:bucket-name >>> S3 ARN



bucket-owner-account-id >>>> your AWS Account ID

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I have used below policy

{

"Version": "2008-10-17",

"Id": "\_\_default\_policy\_ID",

"Statement": [{

"Sid": "\_\_default\_statement\_ID",

"Effect": "Allow",

"Principal": {

"AWS": "\*"

},

"Action": [

"SNS:GetTopicAttributes",

"SNS:SetTopicAttributes",

"SNS:AddPermission",

"SNS:RemovePermission",

"SNS:DeleteTopic",

"SNS:Subscribe",

"SNS:ListSubscriptionsByTopic",

"SNS:Publish"

],

"Resource": "arn:aws:sns:eu-central-1:058264440832:S3toSNS",

"Condition": {

"StringEquals": {

"AWS:SourceOwner": "058264440832"

},

"ArnLike": {

"AWS:SourceArn": "arn:aws:s3:::cloudfrount-s3"

}

}

}]

}

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And update at the SNS Access policy >>> Save

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Step 5 >>> now go to your Bucket >>>>> Properties >>>>> Event notifications >>>>> Create event notification

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Event name >>>> s3update

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Event types >>> Check all the boxes as your want

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Destination >>>>> SNS topic

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Specify SNS topic >>>> Enter SNS topic ARN >>>> Update your SNS ARN

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Copy SNS ARN  
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Description automatically generated

Save Changes

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SNS is DONE?

NO

- SNS Vs SQS

- S3 notification to the SNS

- etc