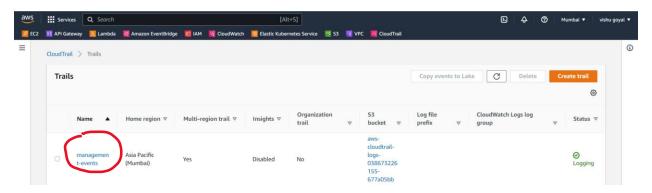
Notify When S3 bucket made public and private in nature after created

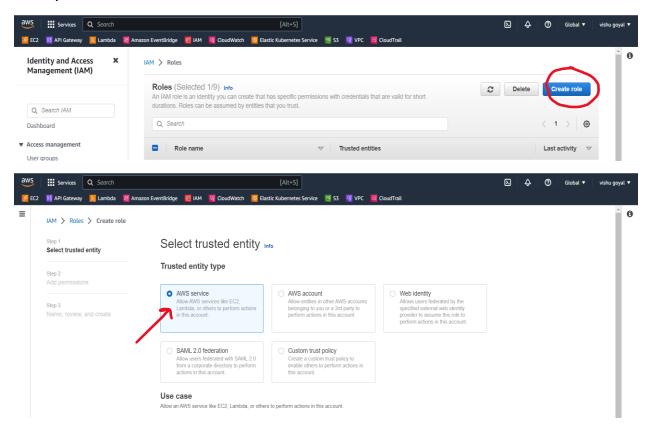
Step 1: Make sure you have create a cloud Trail bucket for storing a logs whatever you occur in aws account.

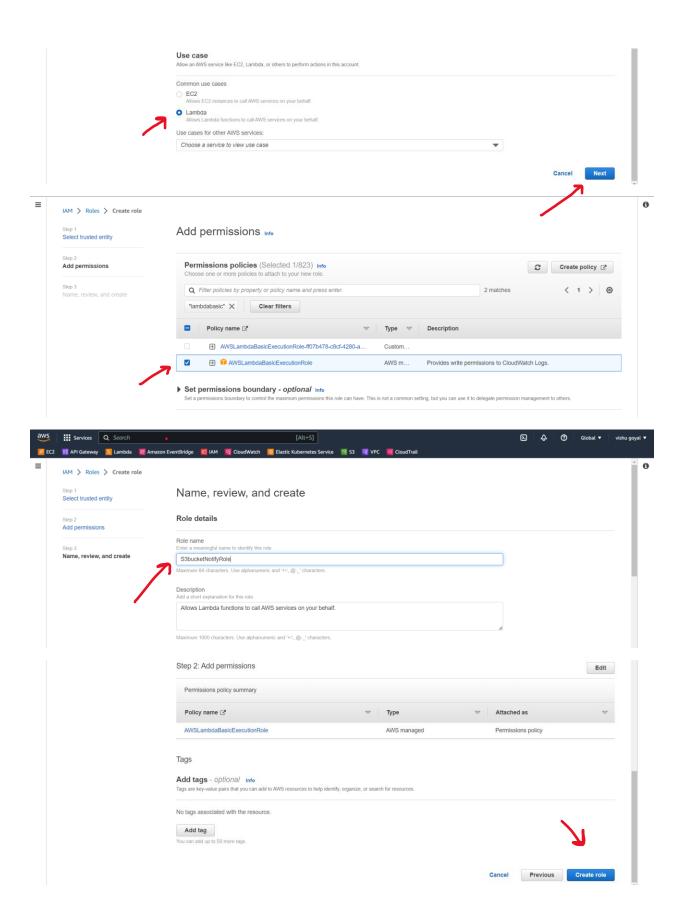


Its looks like that the above screenshot.

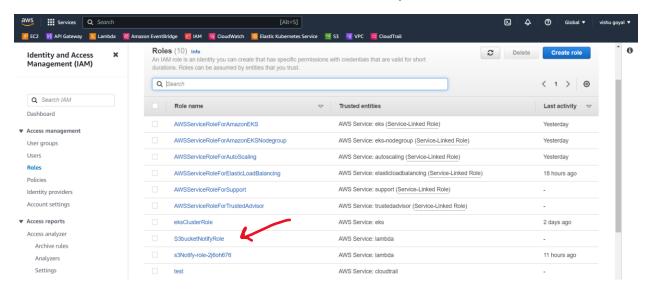
Step 2:

Now you have to create a IAM role for lambda function

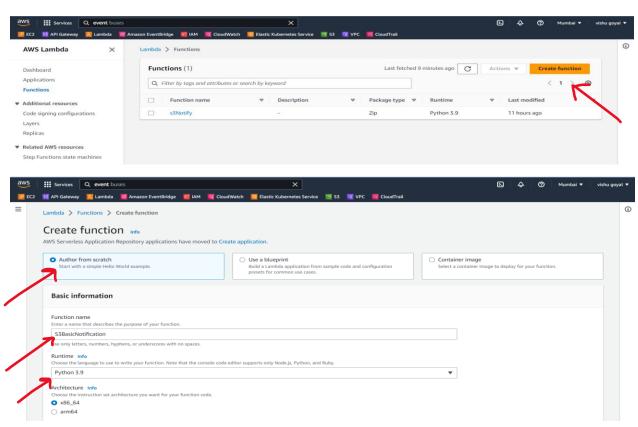


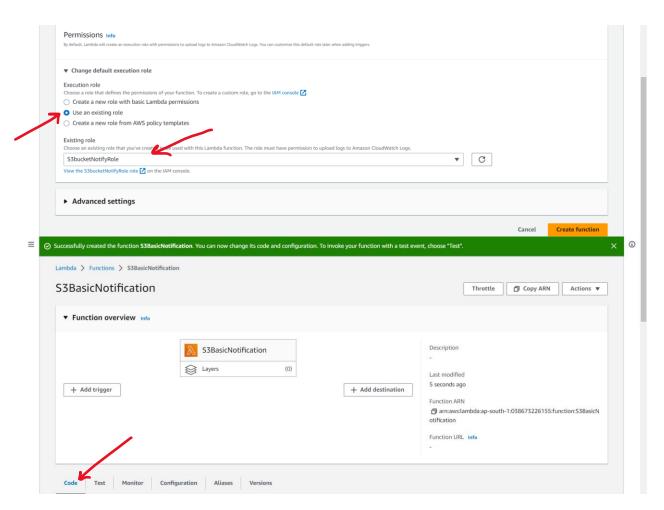


Just click on Next button it seem like the below step

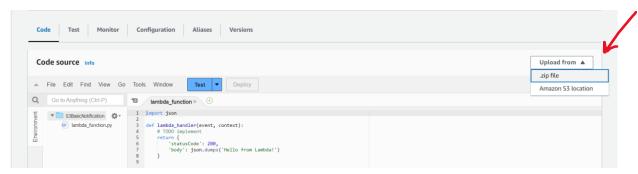


Now create a lambda function



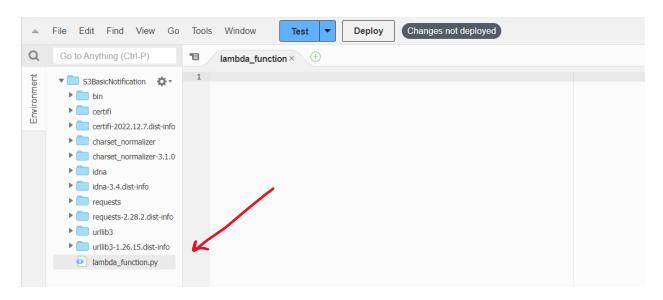


Now Scroll down and open the code Tab



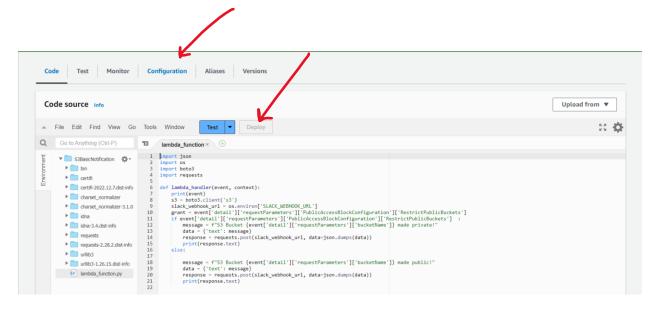
https://drive.google.com/drive/folders/1BiltuSGWxPeD0QDDTmNEI7vJ21p8fMdq?usp=sharing



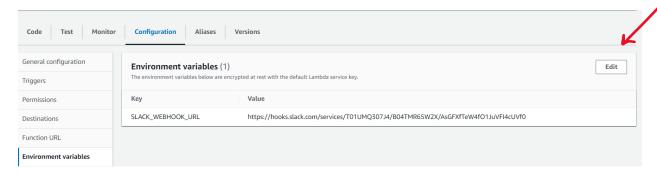


After created a lambda_function.py now just write a code or copy paste the given code below.

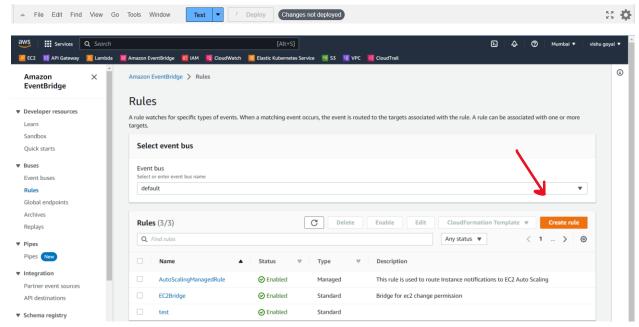
```
import json
import os
import boto3
import requests
def lambda_handler(event, context):
     print(event)
     s3 = boto3.client('s3')
     slack\_webhook\_url = os.environ['SLACK\_WEBHOOK\_URL']
     grant = event['detail']['requestParameters']['PublicAccessBlockConfiguration']['RestrictPublicBuckets']
     if\ event['detail']['request Parameters']['Public Access Block Configuration']['Restrict Public Buckets'] \ : \\
          message = f"S3 Bucket {event['detail']['requestParameters']['bucketName']} made private!"
          data = {'text': message}
          response = requests.post(slack_webhook_url, data=json.dumps(data))
          print(response.text)
     else:
          message = f"S3 Bucket {event['detail']['requestParameters']['bucketName']} made public!"
          data = {'text': message}
          response = requests.post(slack_webhook_url, data=json.dumps(data))
          print(response.text)
```



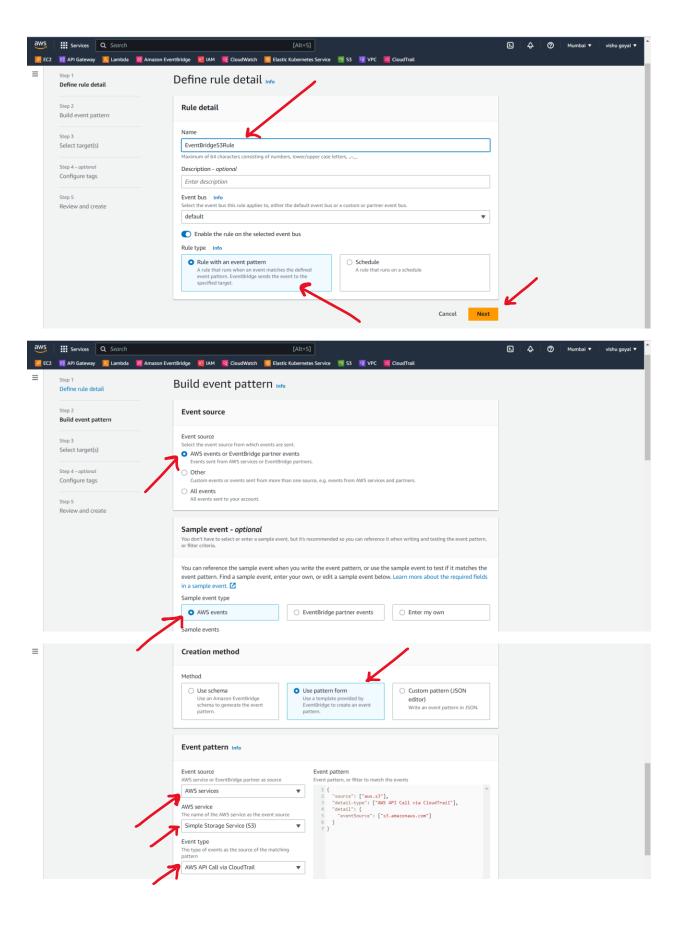
Now add the Environmental variable.

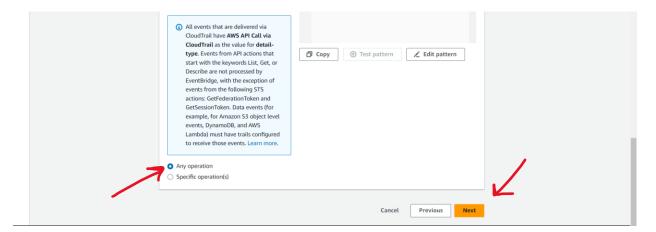


Now deploy the lambda function

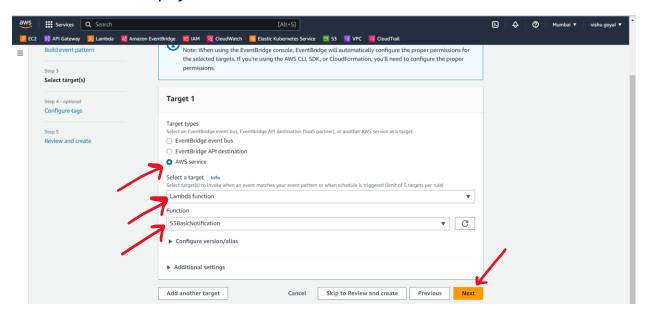


Now you have to create a eventBridge Rule



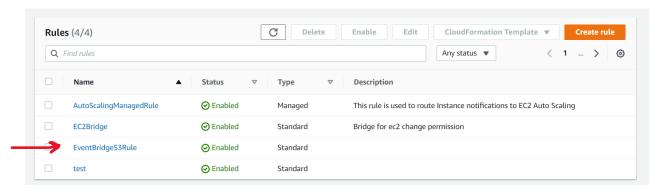


After the above steps just click on the Next button.



After the above steps just click on the next button to move forward steps.

Next → Next → createRule



The interface looks like that.

Now have to do a check to create a bucket with private permission it trigger the lambda function after when you have changed the permission of that bucket make public or private again it trigger notification on slack.





Everything is complete !!!!

Congratulations you have setup Successfully!!!!