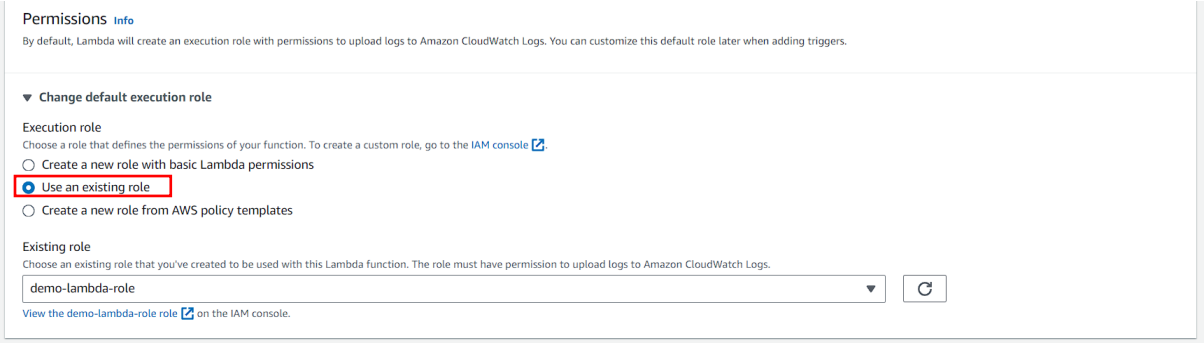
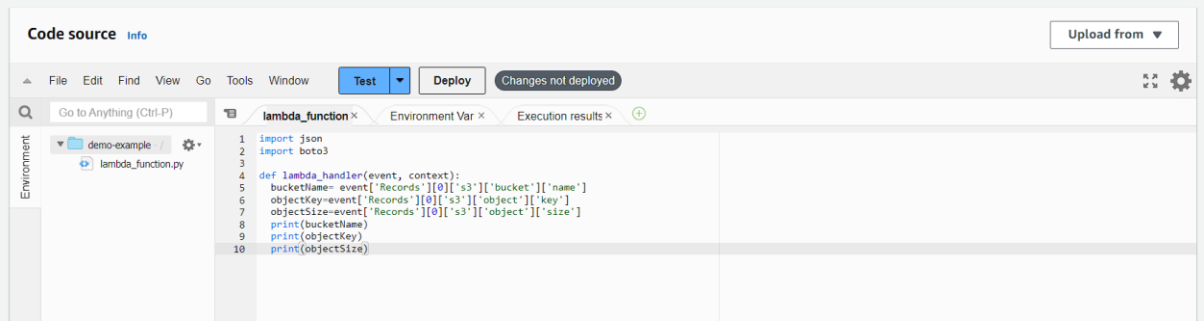
😊 AWS Lambda and Events

1. Now you need to create a function in Lambda with Python as your runtime environment.
2. Now in the permission section, click on use an existing role and choose your role. After that click on create function.

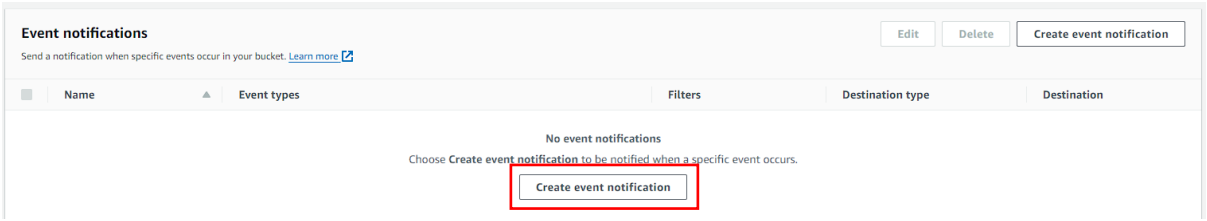


3. Once your function is created then scroll down and write code. Do not deploy the code.

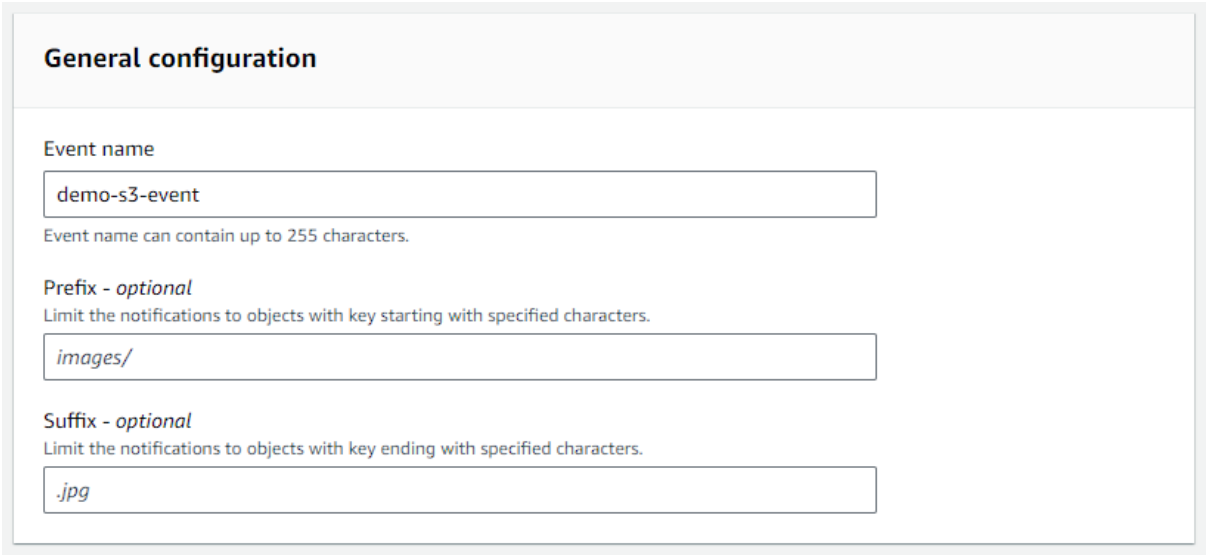
```
import json
import boto3

def lambda_handler(event, context):
  bucketName= event['Records'][0]['s3']['bucket']['name']
  objectKey=event['Records'][0]['s3']['object']['key']
  objectSize=event['Records'][0]['s3']['object']['size']
  print(bucketName)
  print(objectKey)
  print(objectSize)
```



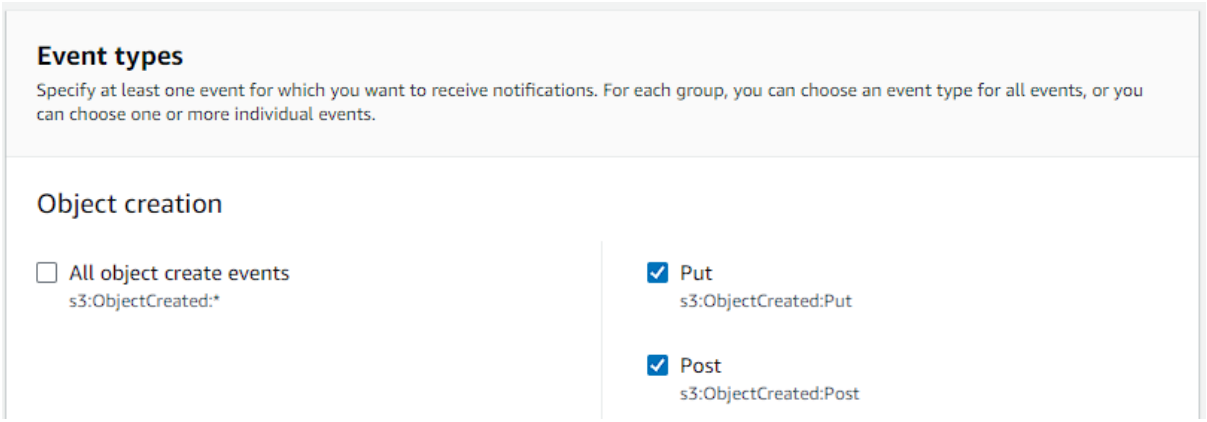
4. After that you need to navigate to S3. Choose any bucket of your choice and then open its properties. Then scroll to Event notifications.
5. Now click on create event notification.



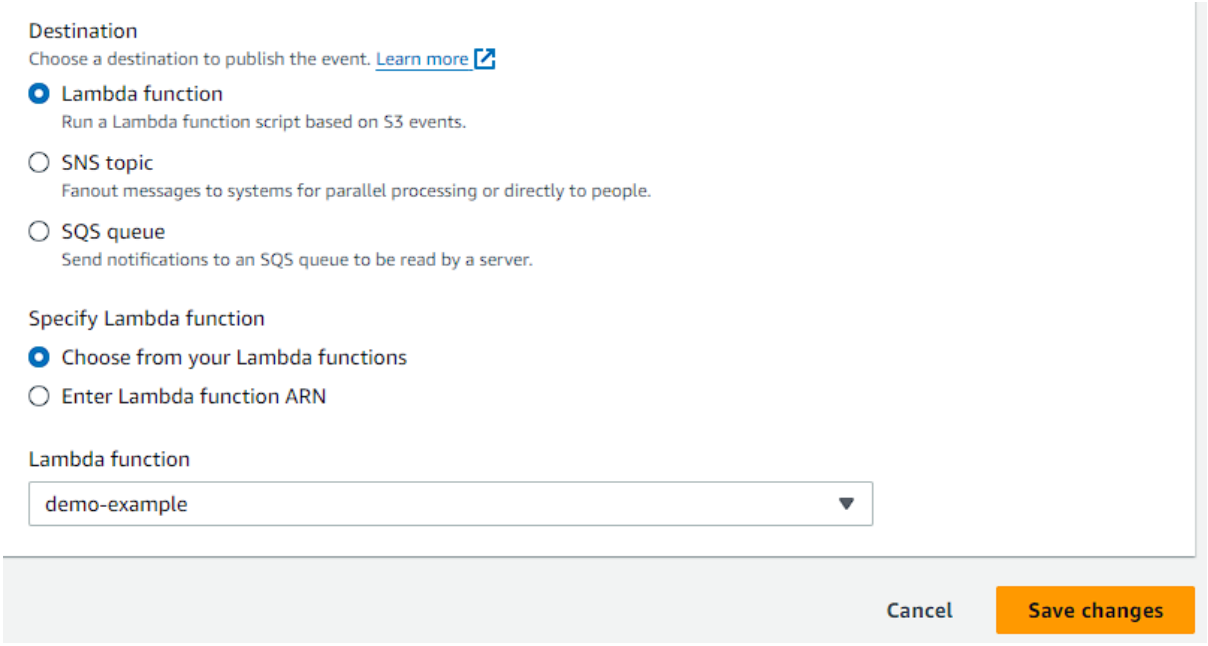
6. Here you just need to give the event name.



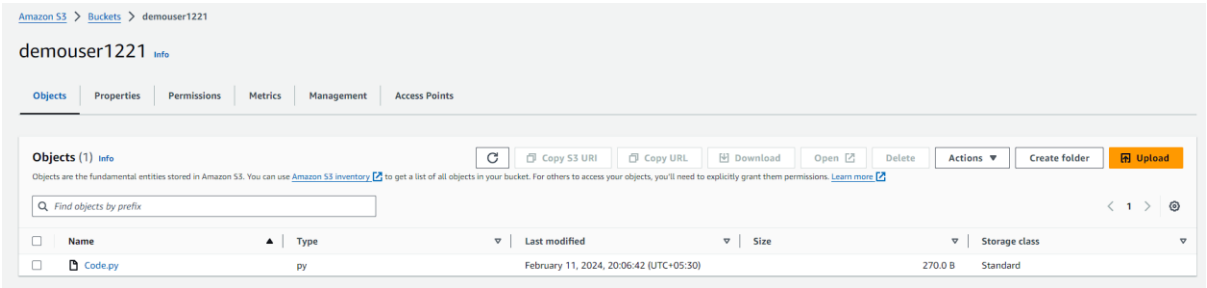
7. Then in event types just select PUT and POST. After that scroll down to the bottom.



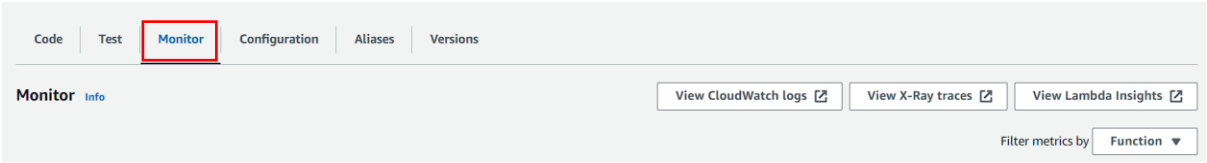
8. Now choose your destination as Lambda Function. Then you need to specify the Lambda function.
9. For that you just need to choose your Lambda function. Then click on Save changes.



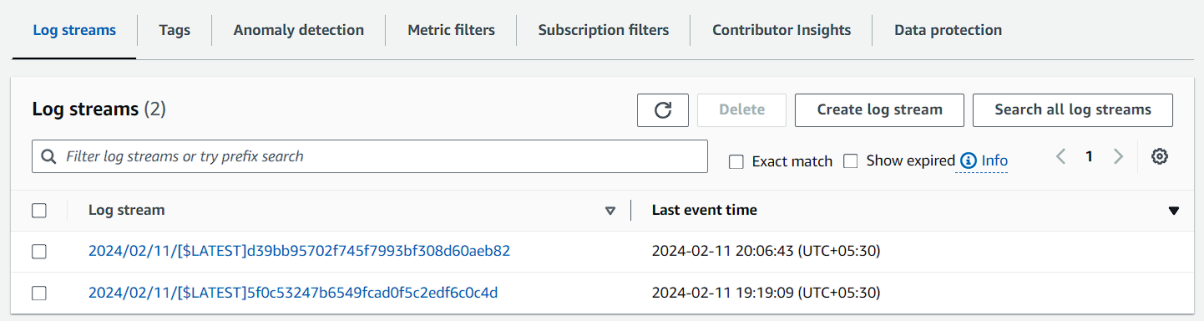
10. After that you can come back to Lambda function and deploy your code.
11. Once your code is deployed then you need to go back to S3 and quickly upload any file in that.



12. Now to check that your Lambda function worked or not.
13. Go back to lambda and the navigate to Monitor. There you need to click on view CloudWatch logs.



14. In CloudWatch log groups you will see some logs.
15. But you need to open the latest one first.



16. Now based on your code that you deployed on Lambda it will generate the output.
17. Like here you can see that name of bucket and the name of object in it.