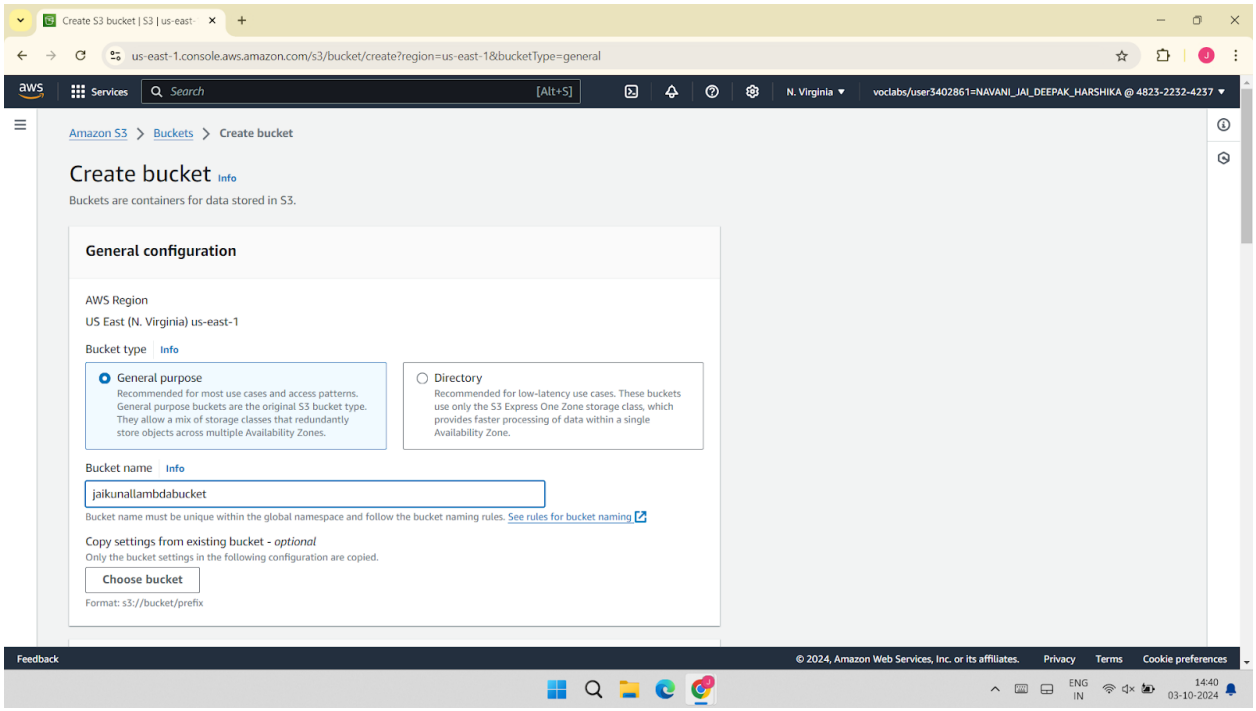
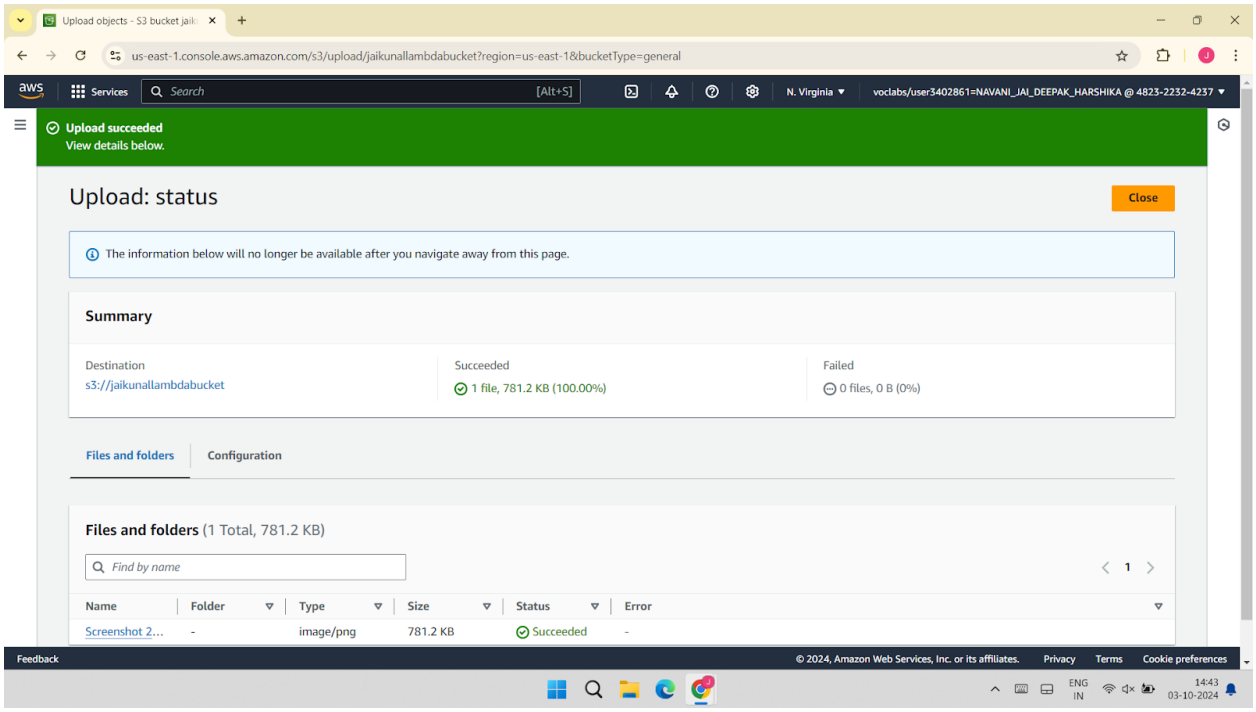
Advanced DevOps Exp-12

Kunal Punjabi
D15A 44

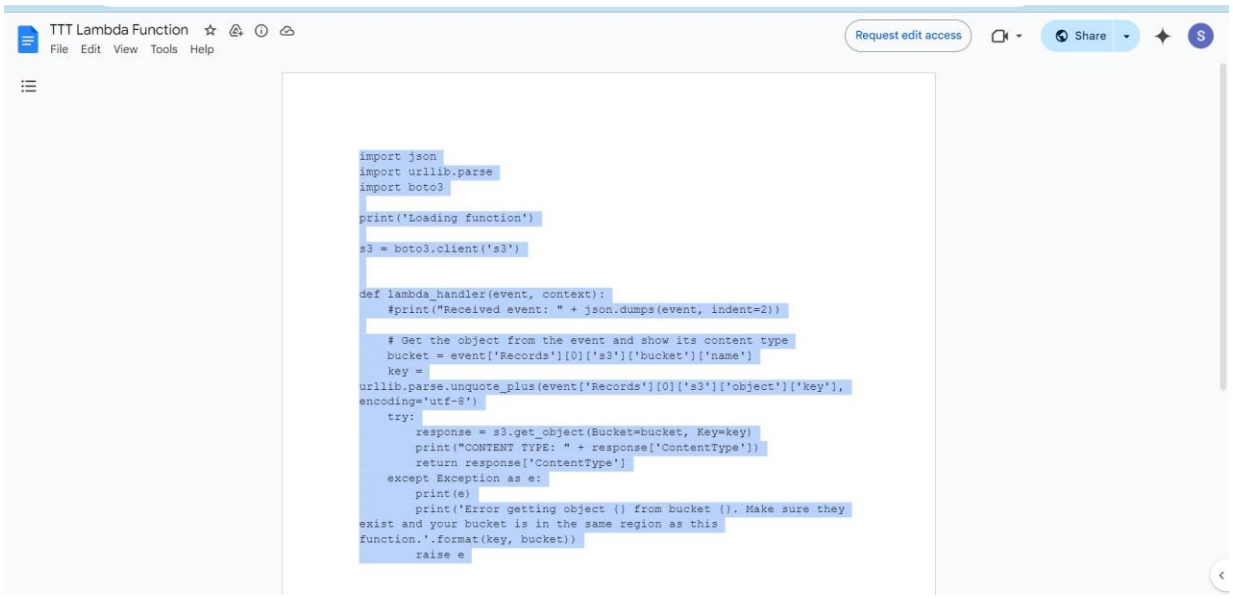
Procedure:-

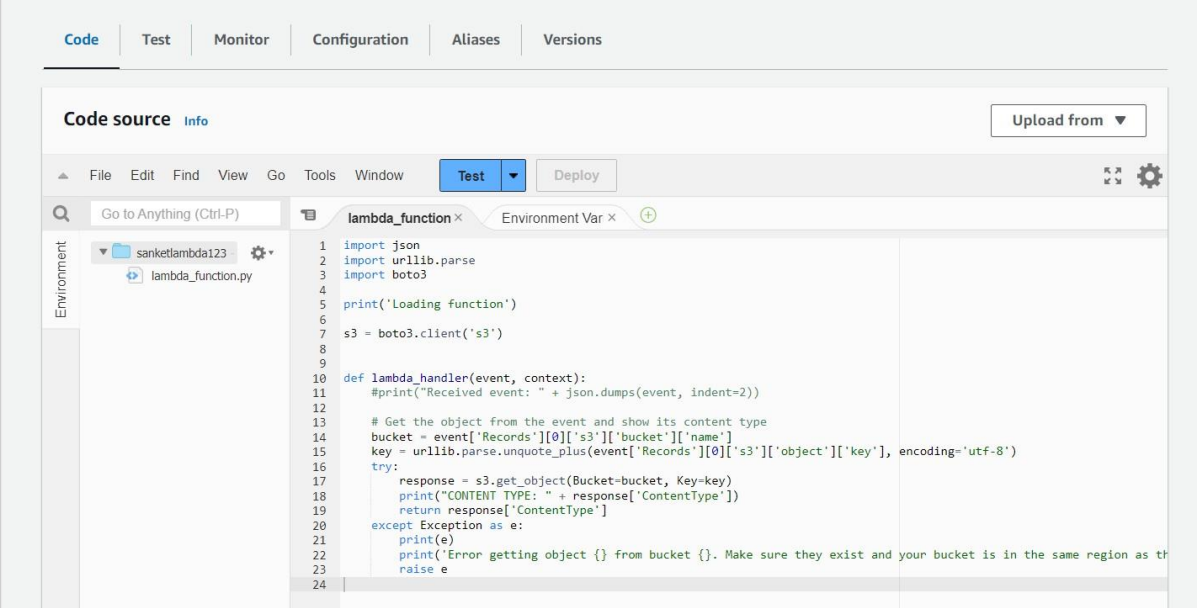
1. Create an S3 bucket of the same location as that of the Lambda function



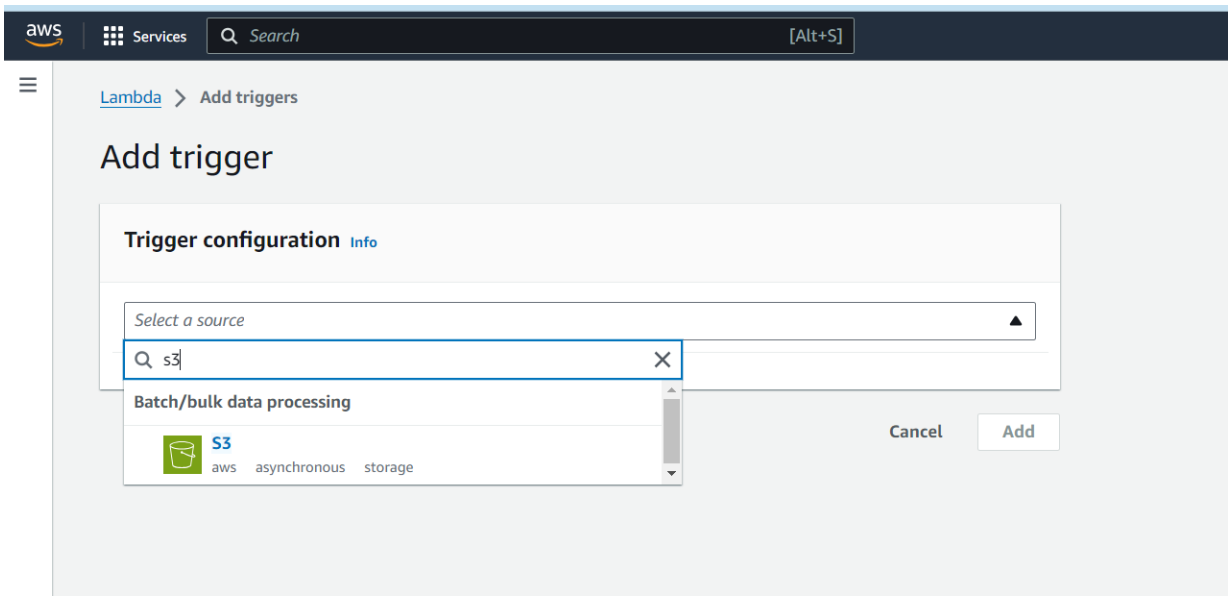

Upload objects - S3 bucket jaik
us-east-1.console.aws.amazon.com/s3/upload/jaikunallambdabucket?region=us-east-1&bucketType=general
aws
Services
Search
[Alt+S]
N. Virginia
voclabs/user3402861=NAVANI_IAI_DEEPAK_HARSHIKA @ 4823-2232-4237
Upload succeeded
View details below.
Upload: status
Close
The information below will no longer be available after you navigate away from this page.
Summary
Destination
s3://jaikunallambdabucket
Succeeded
1 file, 781.2 KB (100.00%)
Failed
0 files, 0 B (0%)
Files and folders
Configuration
Files and folders (1 Total, 781.2 KB)
Find by name
1
Name
Folder
Type
Size
Status
Error
Screenshot 2...
-
image/png
781.2 KB
Succeeded
-
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
ENG
IN
14:43
03-10-2024

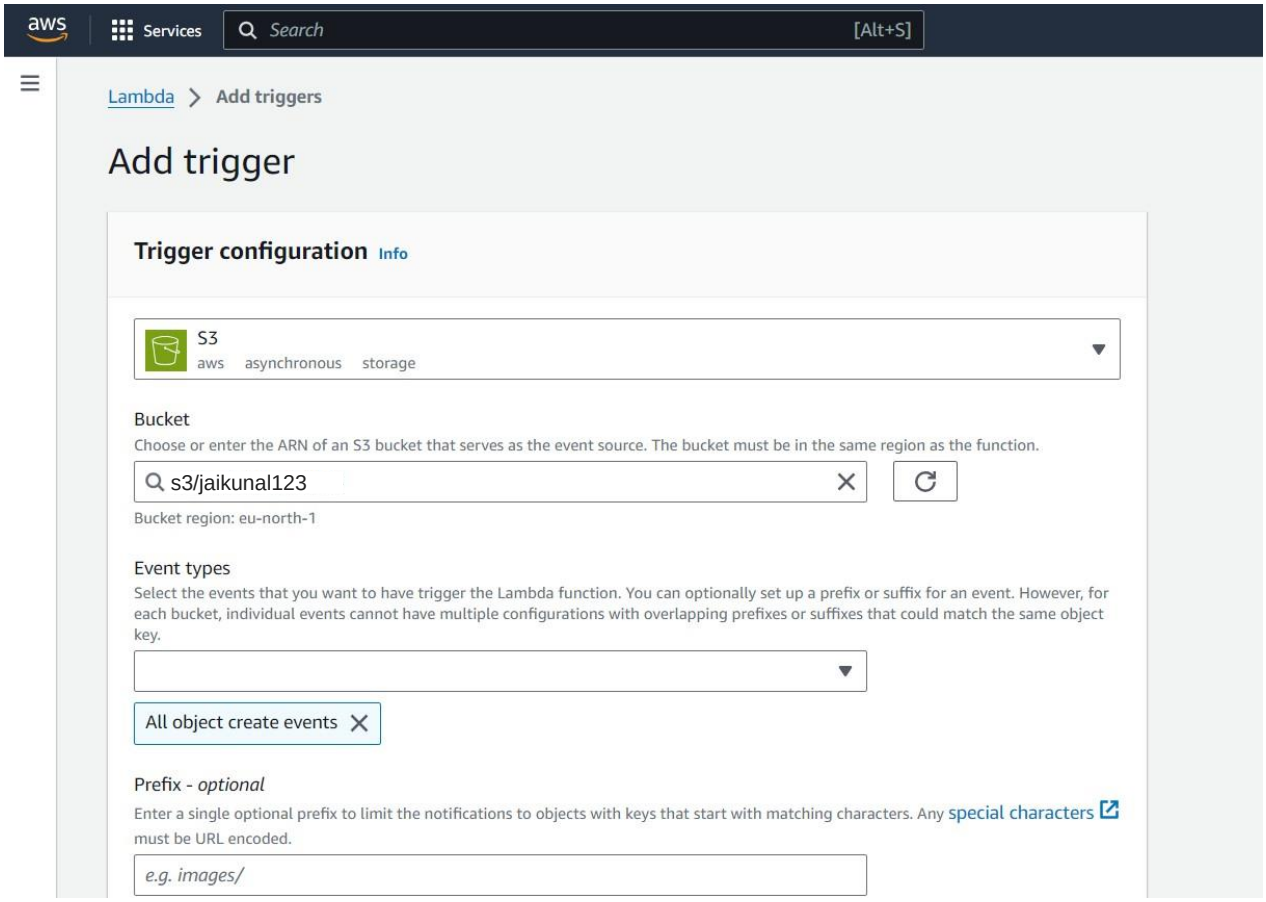
2. After creating the Lambda function copy a code available on the internet which allows the Lambda function to access the S3 bucket contents.

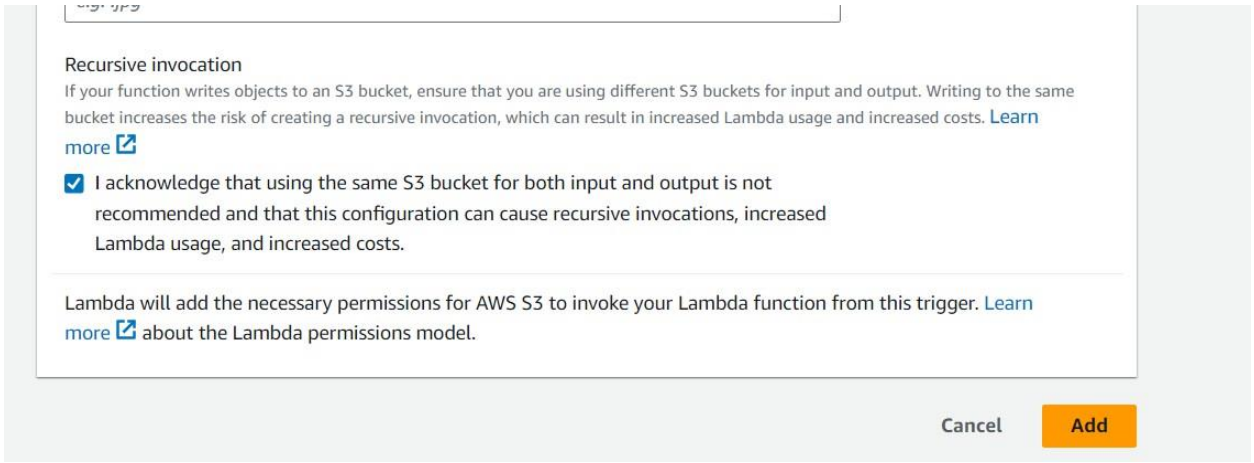




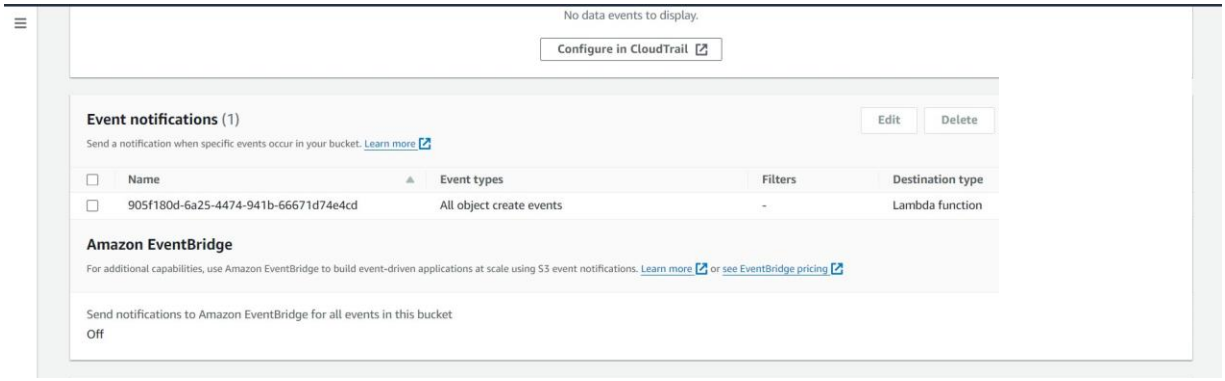
3. Add a trigger to the Lambda function so any changes in the S3 bucket will be first visible to the user.

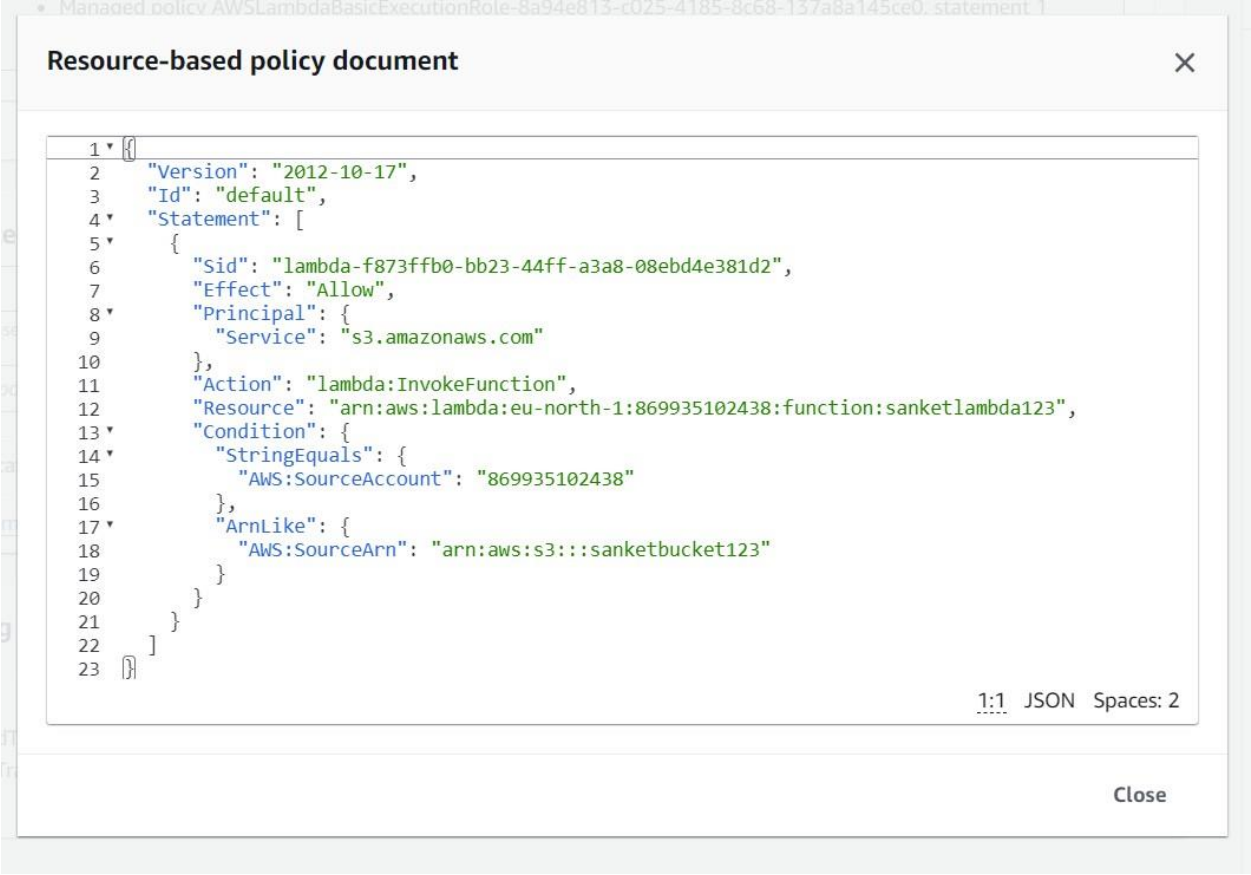



aws
Services
Search
[Alt+S]
Lambda
Add triggers
Add trigger
Trigger configuration
Info
S3
aws
asynchronous
storage
Bucket
Choose or enter the ARN of an S3 bucket that serves as the event source. The bucket must be in the same region as the function.
s3/jaikunal123
Bucket region: eu-north-1
Event types
Select the events that you want to have trigger the Lambda function. You can optionally set up a prefix or suffix for an event. However, for each bucket, individual events cannot have multiple configurations with overlapping prefixes or suffixes that could match the same object key.
All object create events
Prefix - optional
Enter a single optional prefix to limit the notifications to objects with keys that start with matching characters. Any special characters must be URL encoded.
e.g. images/

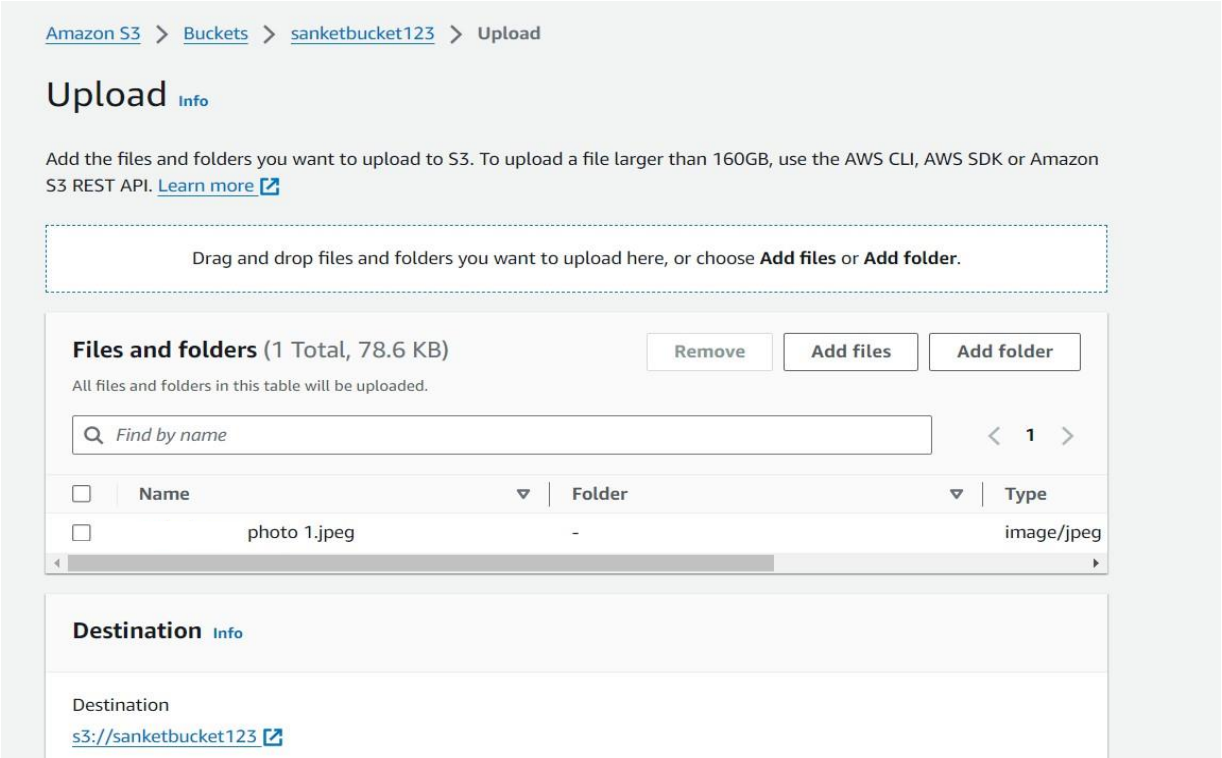

Recursive invocation
If your function writes objects to an S3 bucket, ensure that you are using different S3 buckets for input and output. Writing to the same bucket increases the risk of creating a recursive invocation, which can result in increased Lambda usage and increased costs. Learn more
I acknowledge that using the same S3 bucket for both input and output is not recommended and that this configuration can cause recursive invocations, increased Lambda usage, and increased costs.
Lambda will add the necessary permissions for AWS S3 to invoke your Lambda function from this trigger. Learn more about the Lambda permissions model.
Cancel
Add

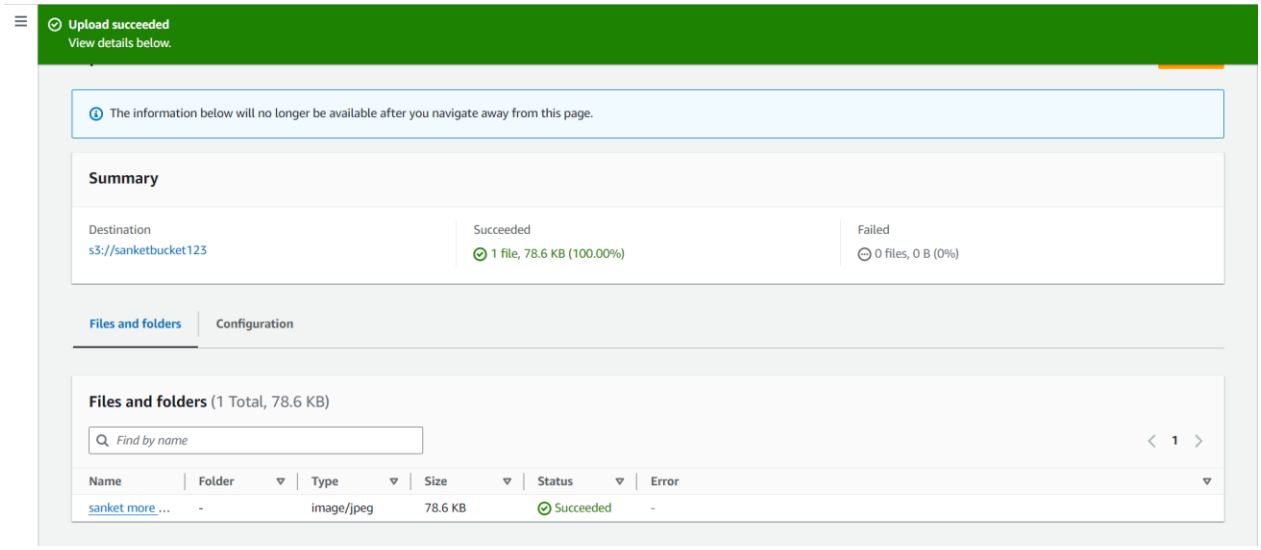
4. In the event notification of the S3 bucket we can see that it has been connected to the Lambda function .



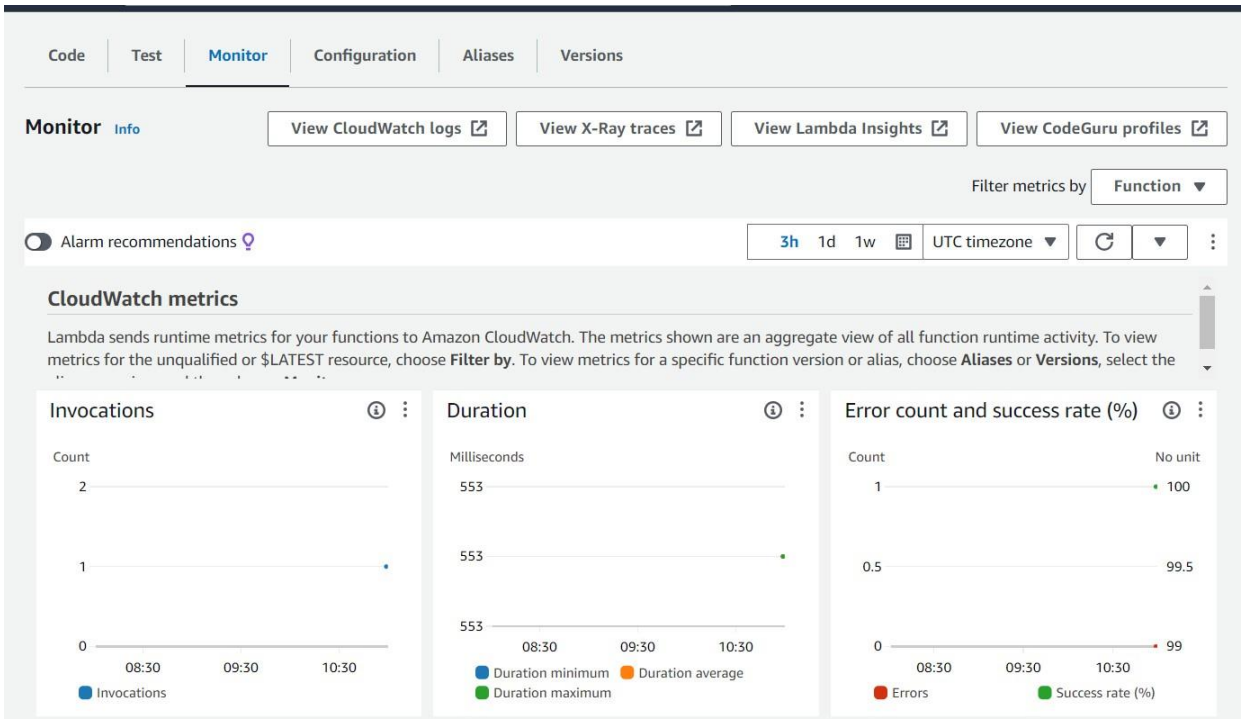


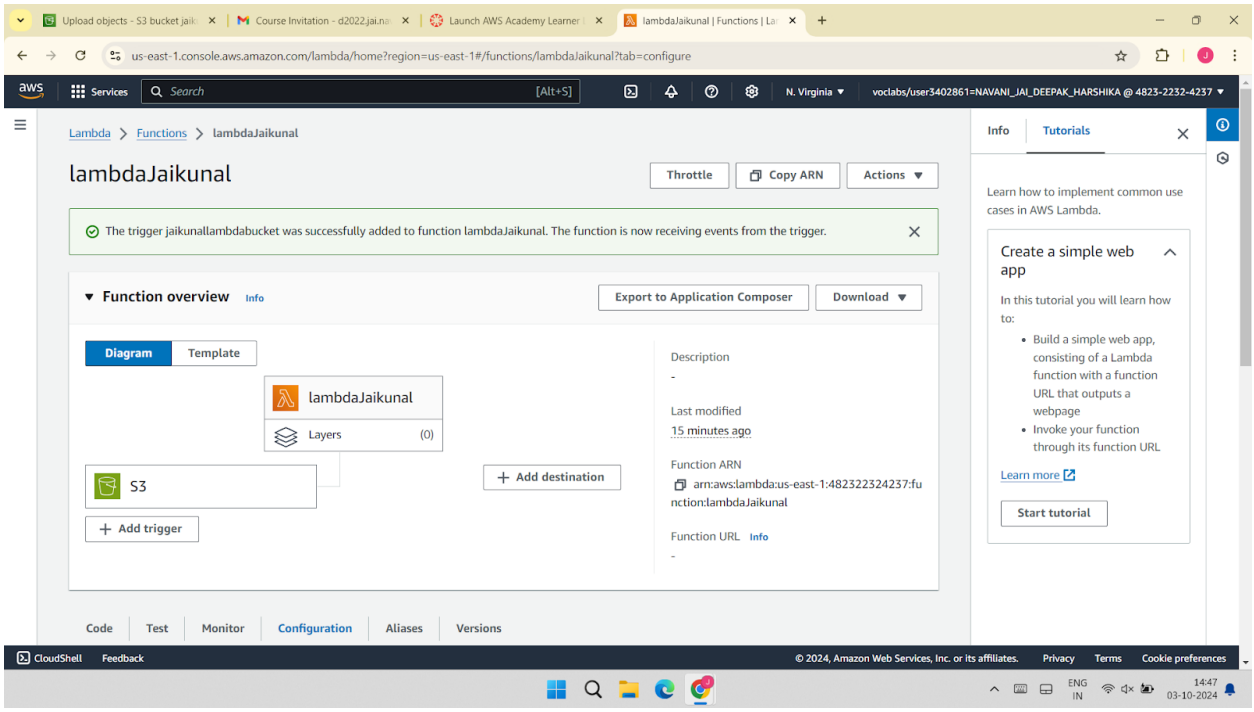
5. Upload a photo to the S3 bucket





6. Now run the function and in the cloud watch logs of AWS you can see the message printed and all the other details of the working of the Lambda function.




us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/lambdaJaikunal?tab=configure
Lambda > Functions > lambdaJaikunal
lambdaJaikunal
Throttle
Copy ARN
Actions
The trigger jaikunallambdabucket was successfully added to function lambdaJaikunal. The function is now receiving events from the trigger.
Function overview Info
Export to Application Composer
Download
Diagram
Template
lambdaJaikunal
Layers (0)
S3
Add trigger
Add destination
Description
-
Last modified
15 minutes ago
Function ARN
arn:aws:lambda:us-east-1:482322324237:function:lambdaJaikunal
Function URL Info
-
Code
Test
Monitor
Configuration
Aliases
Versions
Info
Tutorials
Learn how to implement common use cases in AWS Lambda.
Create a simple web app
In this tutorial you will learn how to:
Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
Invoke your function through its function URL
Learn more
Start tutorial
CloudShell
Feedback
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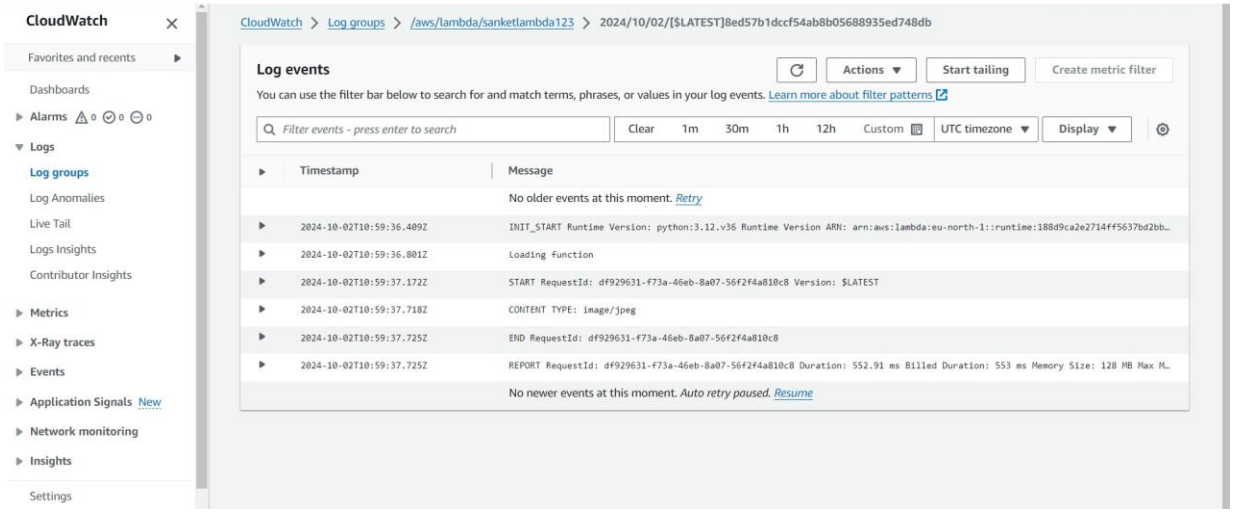
Terms
Cookie preferences


CloudWatch
Favorites and recents
Dashboards
Alarms
Logs
Log groups
Log Anomalies
Live Tail
Logs Insights
Contributor Insights
Metrics
X-Ray traces
Events
Application Signals New
Network monitoring
Insights
Settings
CloudWatch > Log groups > /aws/lambda/sanketlambda123 > 2024/10/02/[$LATEST]8ed57b1dccf54ab8b05688935ed748db
Log events
You can use the filter bar below to search for and match terms, phrases, or values in your log events. Learn more about filter patterns
Actions
Start tailing
Create metric filter
Filter events - press enter to search
Clear
1m
30m
1h
12h
Custom
UTC timezone
Display
Timestamp
Message
No older events at this moment. Retry
2024-10-02T10:59:36.409Z INIT_START Runtime Version: python:3.12.v36 Runtime Version ARN: arn:aws:lambda:eu-north-1::runtime:188d9ca2e2714ff5637bd2bb...
2024-10-02T10:59:36.801Z Loading function
2024-10-02T10:59:37.172Z START RequestId: df929631-f73a-46eb-8a07-56f2f4a810c8 Version: $LATEST
2024-10-02T10:59:37.718Z CONTENT TYPE: image/jpeg
2024-10-02T10:59:37.725Z END RequestId: df929631-f73a-46eb-8a07-56f2f4a810c8
2024-10-02T10:59:37.725Z REPORT RequestId: df929631-f73a-46eb-8a07-56f2f4a810c8 Duration: 552.91 ms Billed Duration: 553 ms Memory Size: 128 MB Max M...
No newer events at this moment. Auto retry paused. Resume