AWS Lambda

SUSHANT AHER

Why Lambda?

AWS Lambda is a compute service that runs your code in response to events and automatically manages the compute resources, making it the fastest way to turn an idea into a modern, production, serverless applications.

Benefits of Lambda

- No need for managing servers
- Automatic scaling
- Pay-as-you-go pricing
- Performance optimization

Use cases

- Quickly process data at scale
- Run interactive web and mobile backends
- Enable powerful ML insights
- Create event-driven applications

Supports Multiple Languages

- Node.js
- Python
- Java

- Go
- Ruby
- .NET Core

Workflow:

- **Write the Code**: Write a function in the supported language of your choice.
- **Define a Trigger**: Specify the event that will invoke your Lambda function.
- **Deploy and Monitor**: Deploy the function to AWS Lambda and monitor its execution using AWS CloudWatch.

Function in lambda -

- Select Create Function
- Select author from scratch
- Function name –
- Create function

For execution -

- Select configuration
- Function URL
- Create function URL
- Name-
- Save
- Copy function URL and Test.

Task –

If any object upload in my s3 bucket then with the help of lambda notify me in mail.

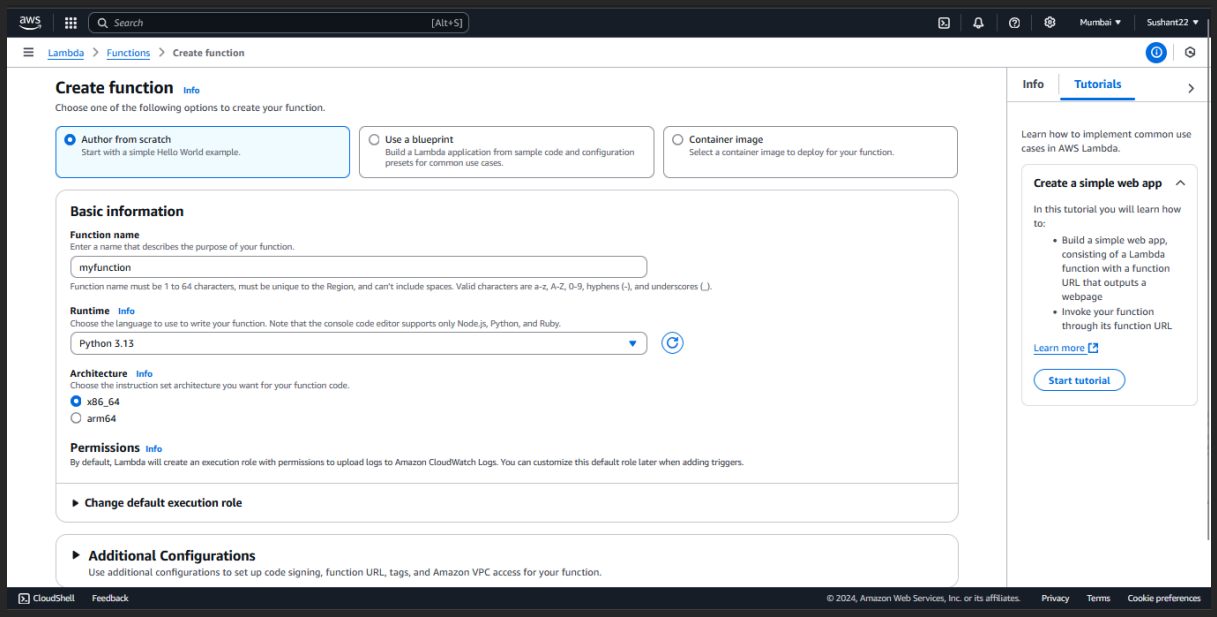
Step 1) Create lambda function

Step 2) Create trigger

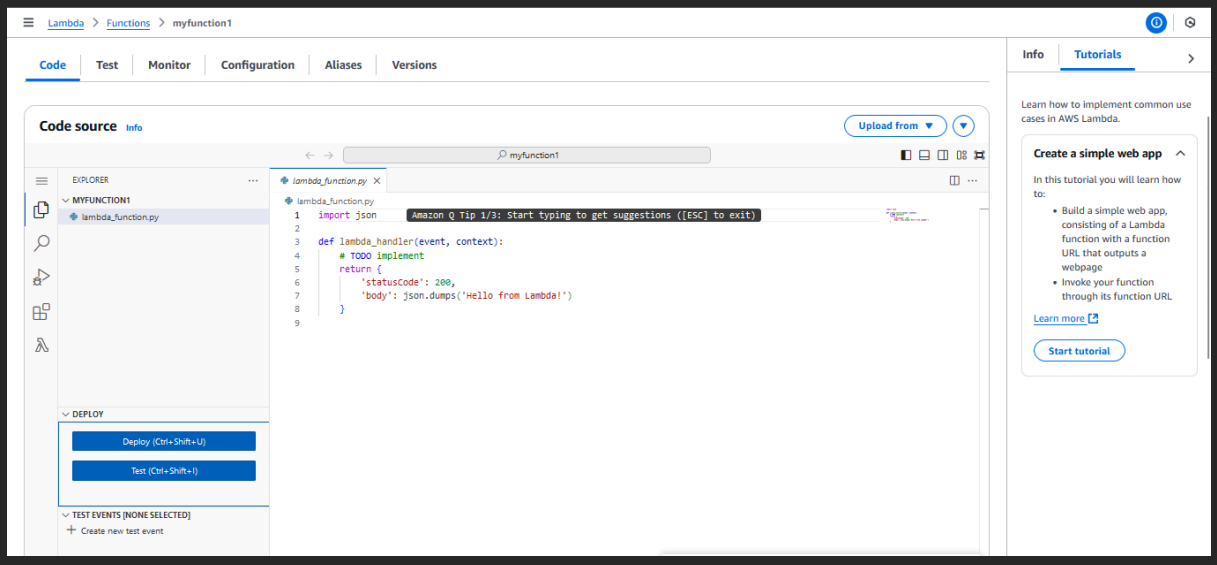
Step 3) Add destination

Step 4) Testing

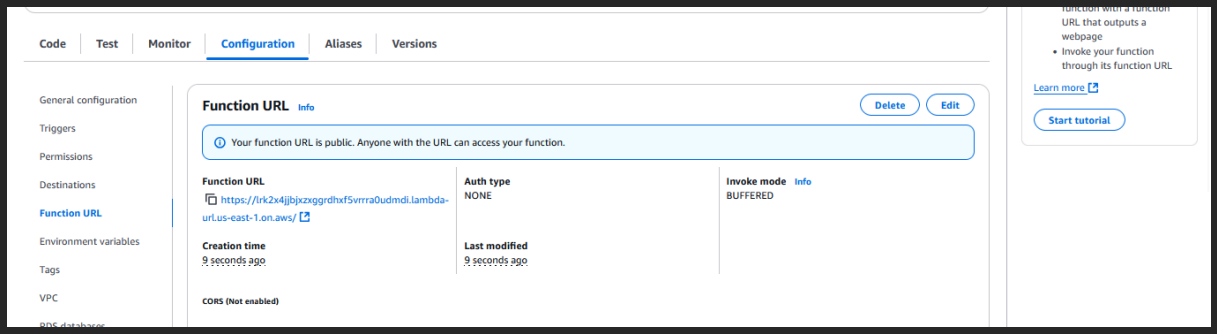
Create function



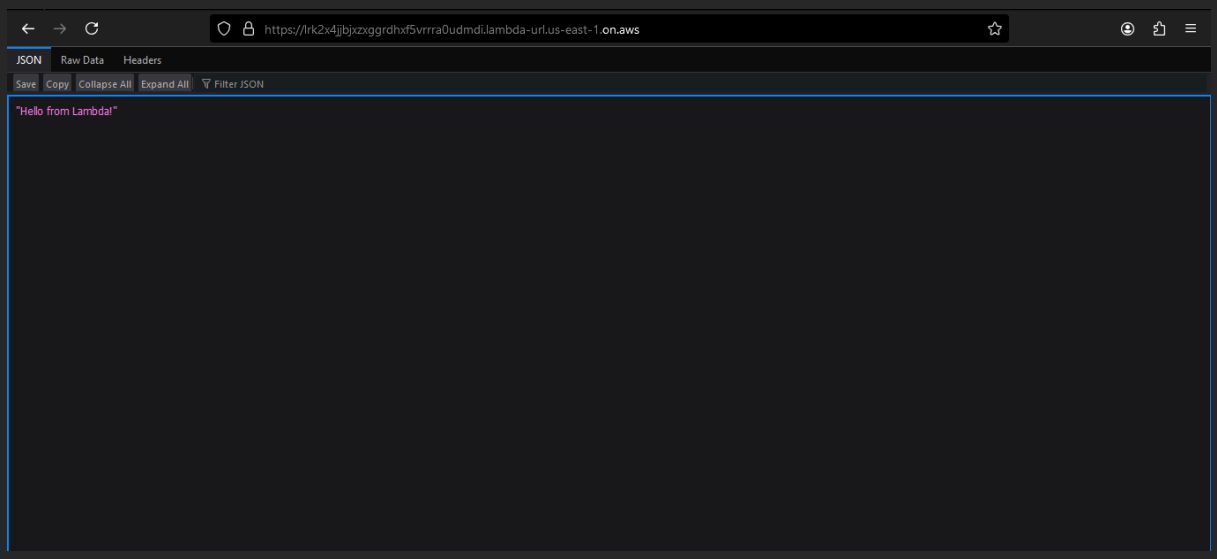
See code



For execution create function url.

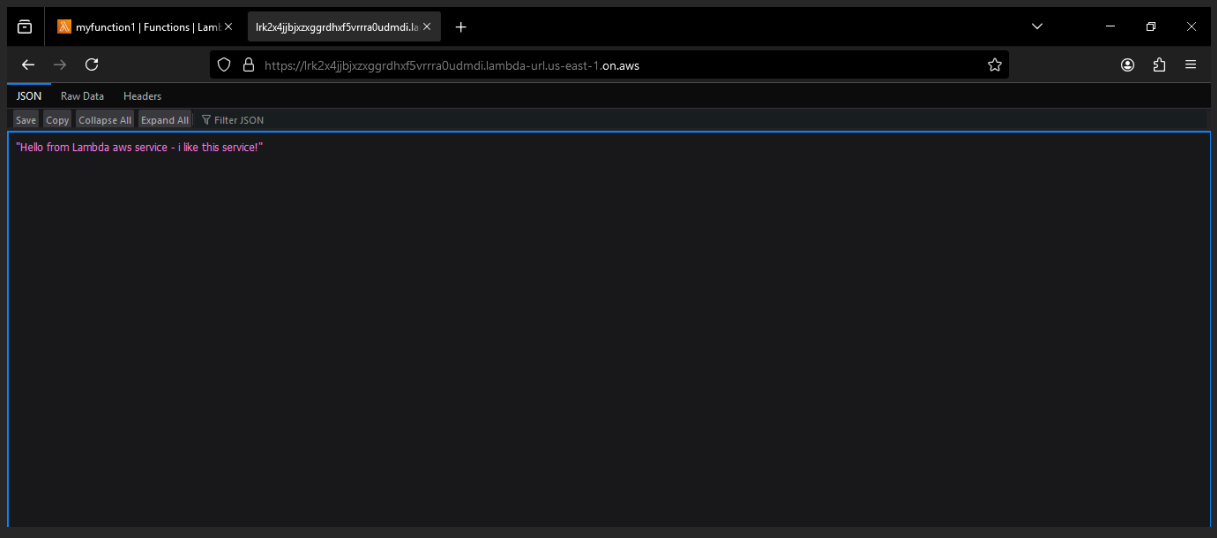


Test our python default code.

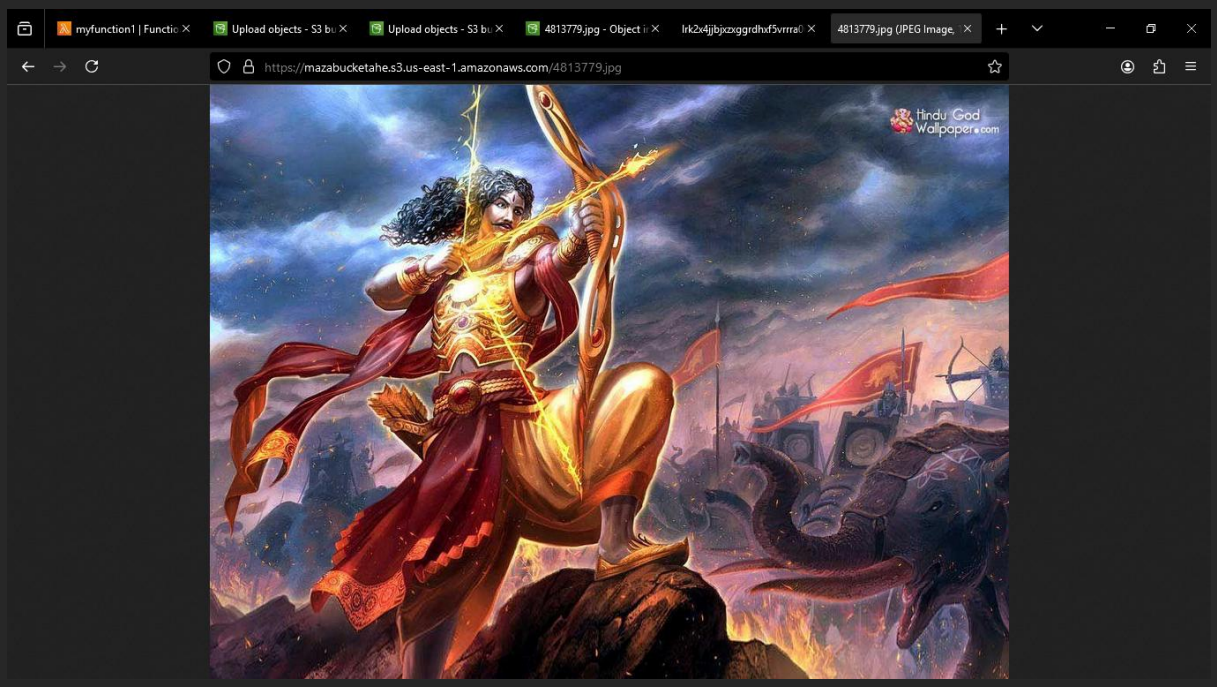


Change some code.

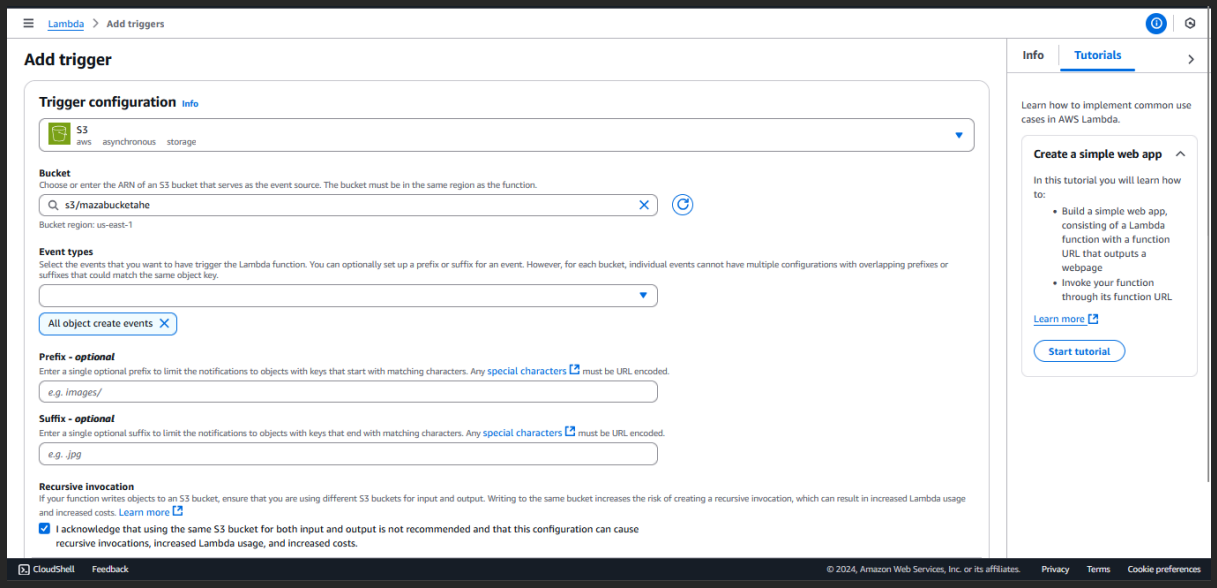
Deploy this code .



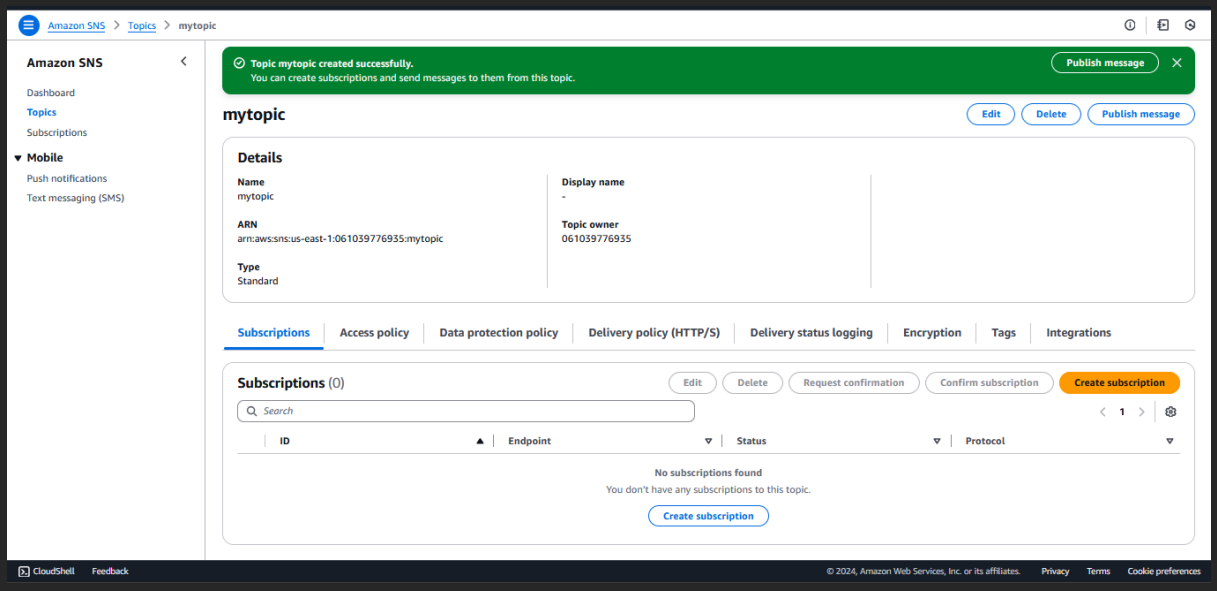
Create s3 bucket and test it first uploading any object.



Add trigger in our lambda function.



Create topic with subscription.


Amazon SNS > Topics > mytopic
Amazon SNS
Dashboard
Topics
Subscriptions
Mobile
Push notifications
Text messaging (SMS)
Topic mytopic created successfully.
You can create subscriptions and send messages to them from this topic.
Publish message
mytopic
Edit
Delete
Publish message
Details
Name
mytopic
Display name
-
ARN
arn:aws:sns:us-east-1:061039776935:mytopic
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Type
Standard
Subscriptions
Access policy
Data protection policy
Delivery policy (HTTP/S)
Delivery status logging
Encryption
Tags
Integrations
Subscriptions (0)
Edit
Delete
Request confirmation
Confirm subscription
Create subscription
Search
ID
Endpoint
Status
Protocol
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You don't have any subscriptions to this topic.
Create subscription
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
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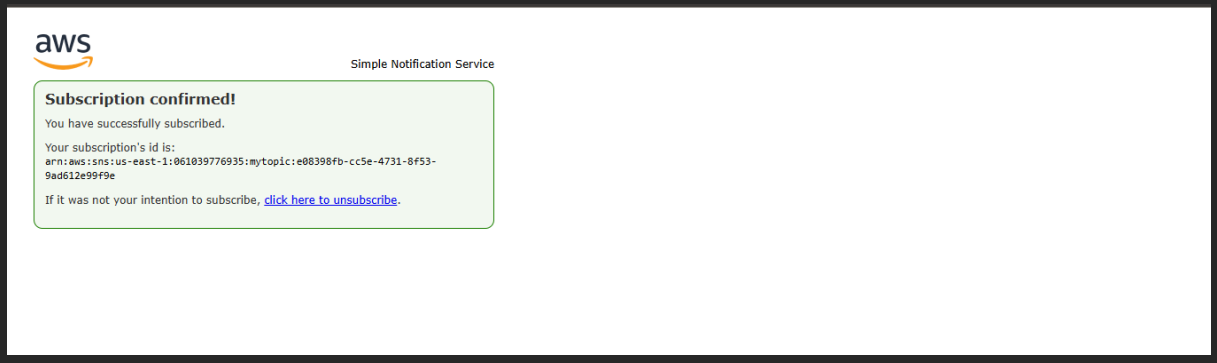
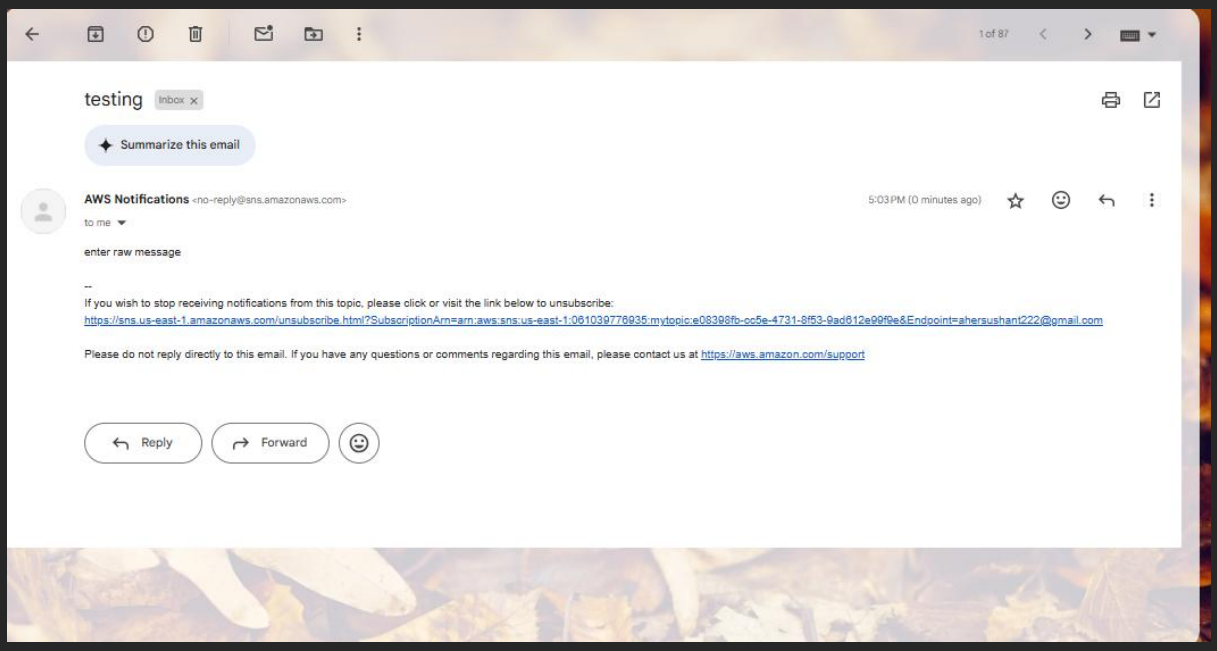

aws
Simple Notification Service
Subscription confirmed!
You have successfully subscribed.
Your subscription's id is:
arn:aws:sns:us-east-1:061039776935:mytopic:e08398fb-cc5e-4731-8f53-9ad612e99f9e
If it was not your intention to subscribe, click here to unsubscribe.


testing
Inbox
Summarize this email
AWS Notifications <no-reply@sns.amazonaws.com>
5:03 PM (0 minutes ago)
to me
enter raw message
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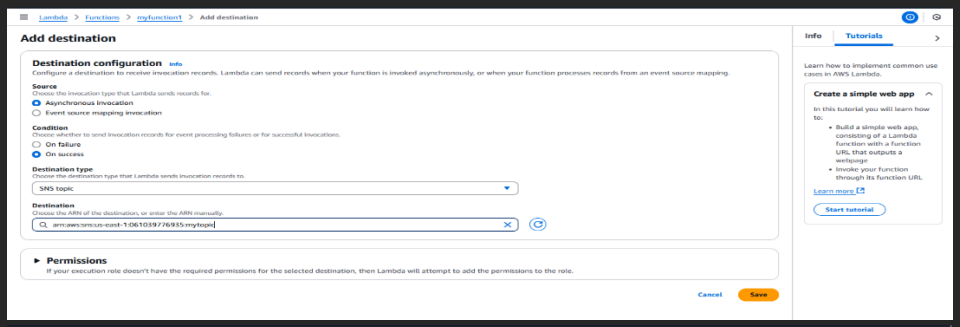
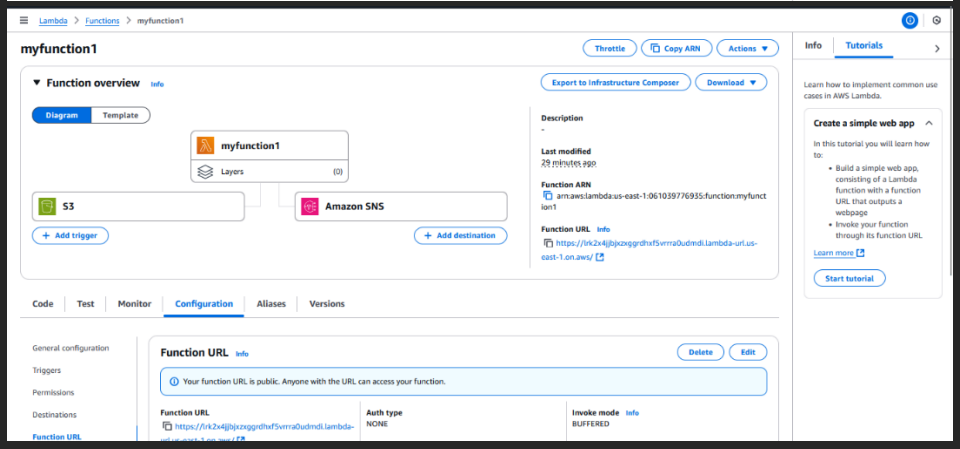
If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:
https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:061039776935:mytopic:e08398fb-cc5e-4731-8f53-9ad612e99f9e&Endpoint=ahersushant222@gmail.com
Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at https://aws.amazon.com/support
Reply
Forward

Add destination in our lambda function.





Testing by uploading object.