PRACTICAL-4

OBJECTIVE – CREATE AN AWS LAMBDA FUNCTION

1. Log in to AWS Management Console

- Go to AWS Console.
- Sign in with your credentials.

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2. Navigate to AWS Lambda

- In the search bar, type **Lambda**.
- Click on **Lambda** service.

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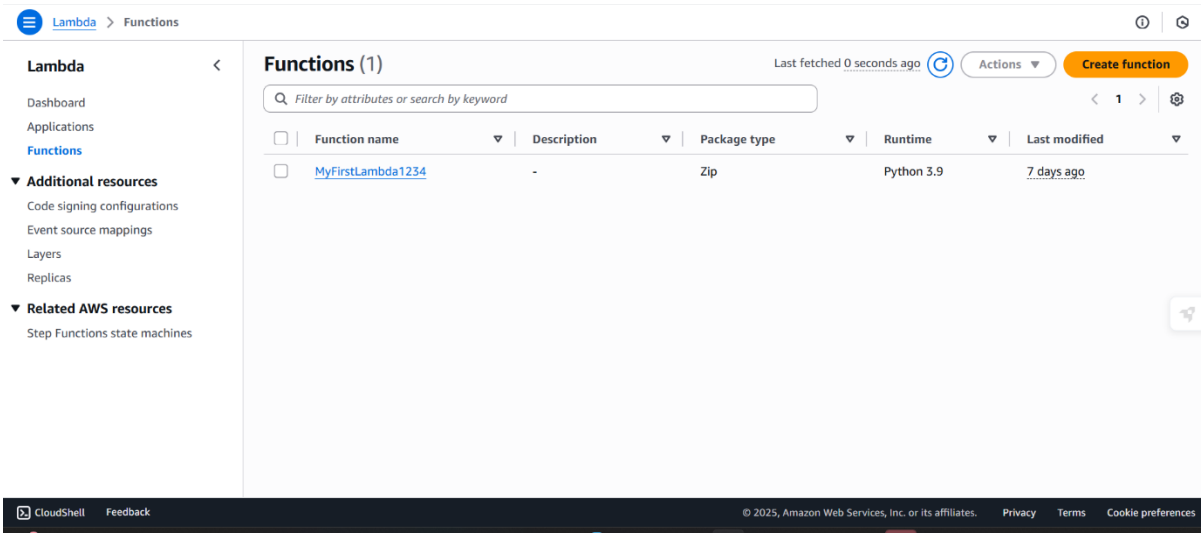
3. Create a New Lambda Function

- Click **Create function**.



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4. Choose a Creation Method

You'll see 3 options:

1. **Author from scratch** → (most common, start fresh).
2. **Use a blueprint** → predefined templates.
3. **Container image** → deploy code as Docker container.

Select **Author from scratch**.

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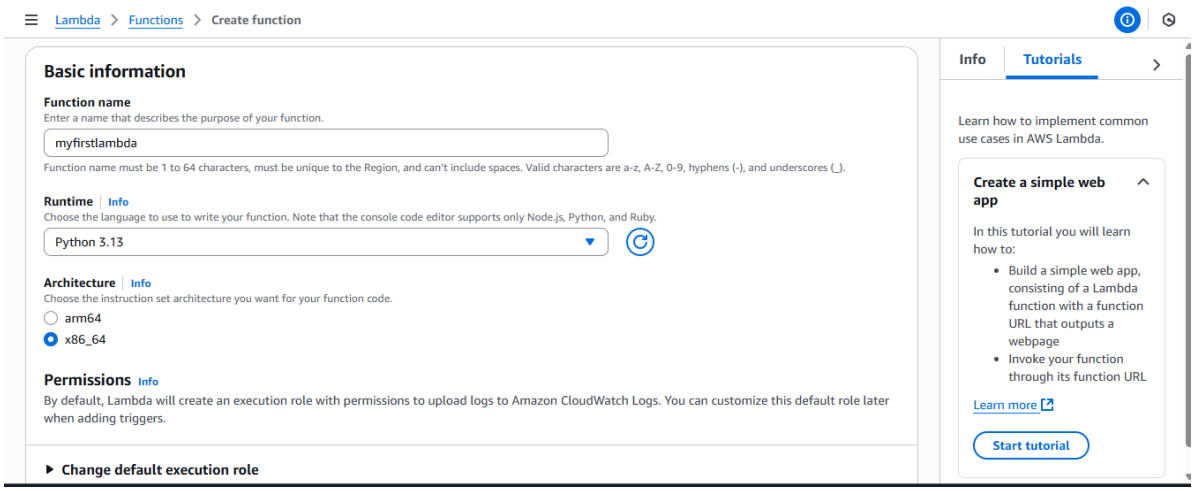
5. Configure Basic Settings

- **Function name**: Enter a unique name (e.g., MyFirstLambda).
- **Runtime**: Choose a runtime (Node.js, Python, Java, Go, etc. → example: **Python 3.9**).
- **Permissions (Execution Role)**:
  - **Create a new role with basic Lambda permissions** (recommended if you're new).
  - Or choose an existing IAM role if you already have one.



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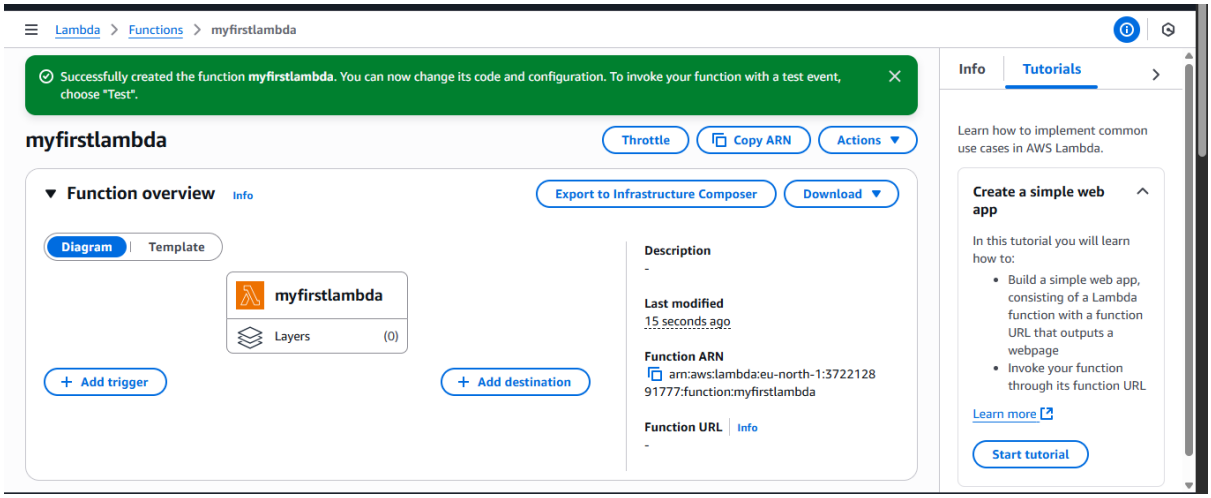
6. Click Create Function

- Wait a few seconds while AWS provisions the function.



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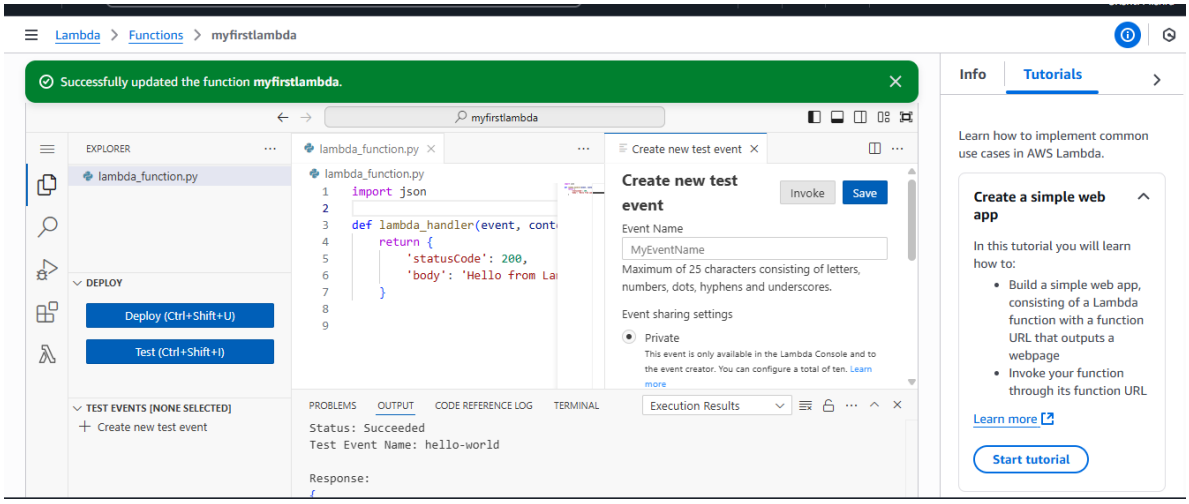
7. Add Your Code

- In the **Function code** section, you can:
  - Write inline code in the editor.
  - Or upload a .zip file.
  - Or use **Amazon S3** (if your code is stored there).

Example default code in Python:

```
def lambda_handler(event, context):
  return {
    'statusCode': 200,
    'body': 'Hello from Lambda!'
  }
```



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8. Configure Test Event

- Click **Test** → **Configure test event**.
- Give it a name (e.g., TestEvent).
- Keep the default event JSON or modify as needed.
- Save.

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9. Run the Function

- Click **Test** again.
- Check the execution results (output, logs, and status).

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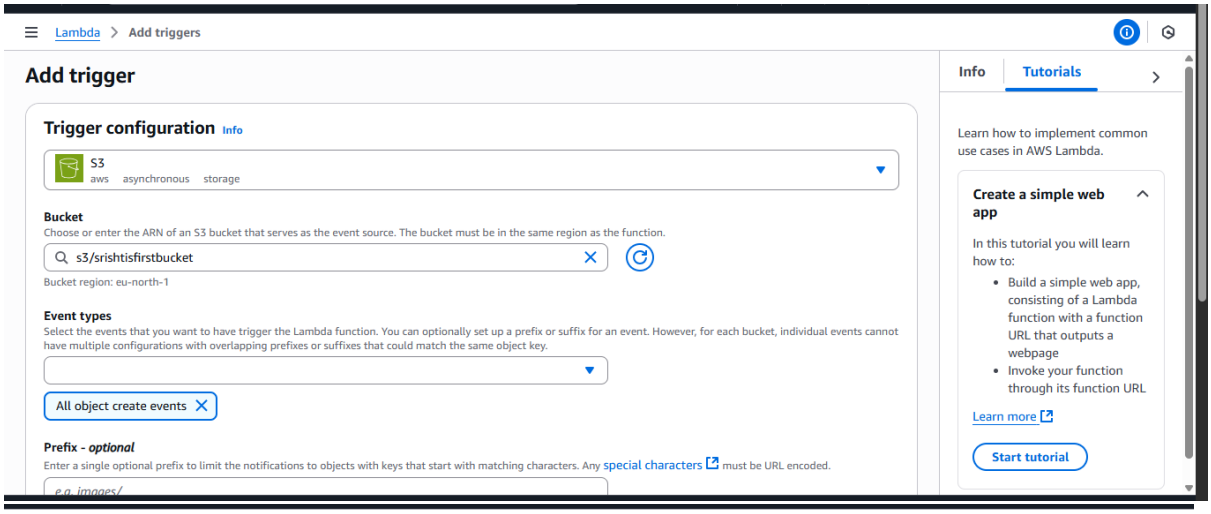
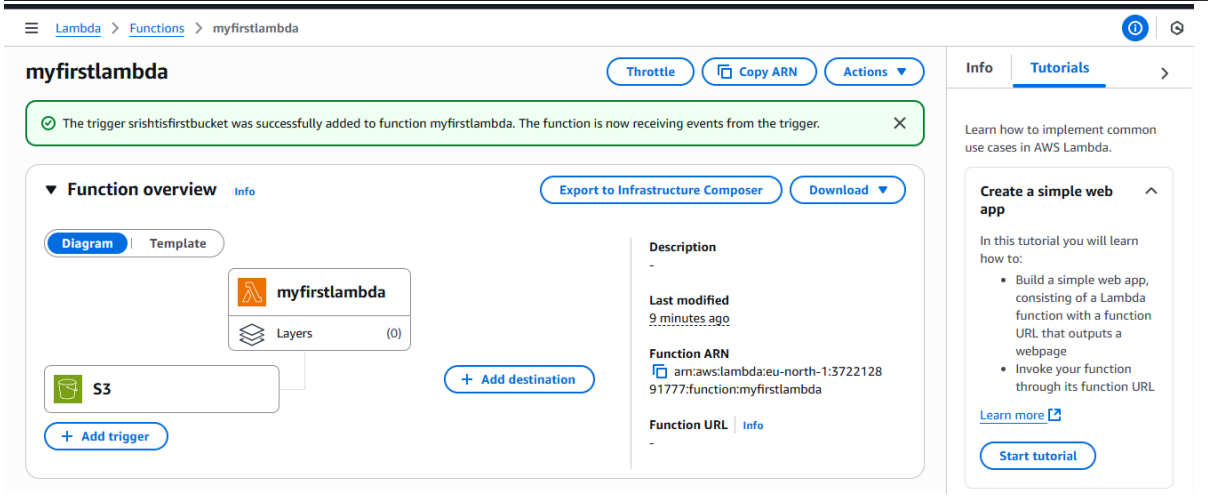
10. (Optional) Add a Trigger

- You can connect Lambda to services like:
  - API Gateway (for REST APIs)
  - S3 (trigger on file uploads)
  - DynamoDB (trigger on database changes)
  - EventBridge (scheduled events)


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/srishtisfirstbucket
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/
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


Lambda > Functions > myfirstlambda
myfirstlambda
Throttle
Copy ARN
Actions
The trigger srishtisfirstbucket was successfully added to function myfirstlambda. The function is now receiving events from the trigger.
Function overview Info
Export to Infrastructure Composer
Download
Diagram
Template
myfirstlambda
Layers (0)
S3
Add destination
Add trigger
Description
-
Last modified
9 minutes ago
Function ARN
arn:aws:lambda:eu-north-1:372212891777:function:myfirstlambda
Function URL Info
-
Info
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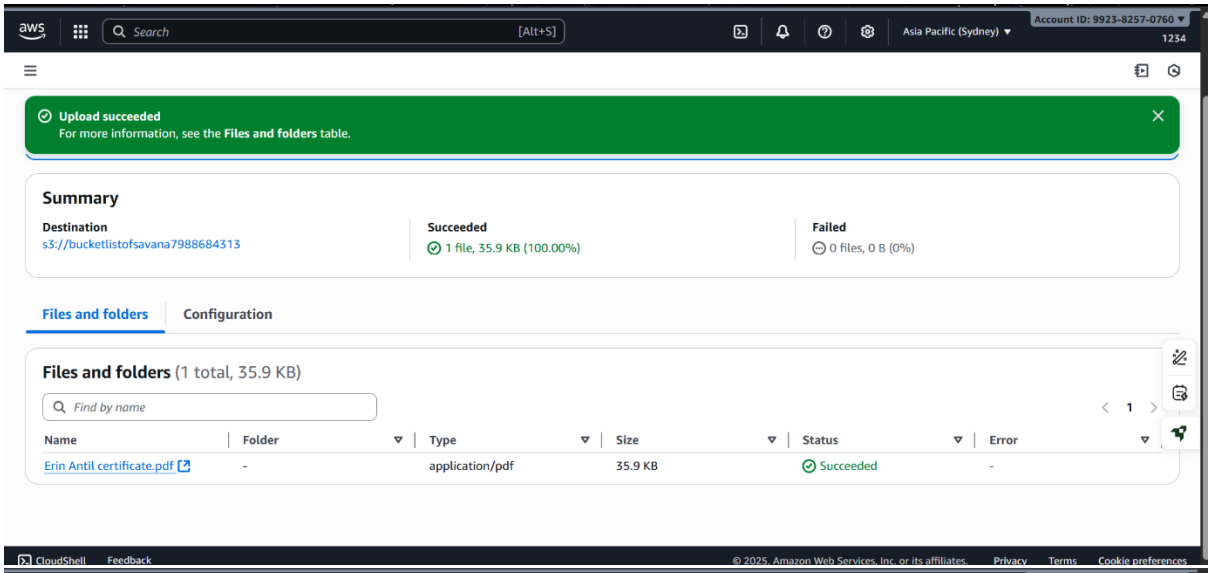
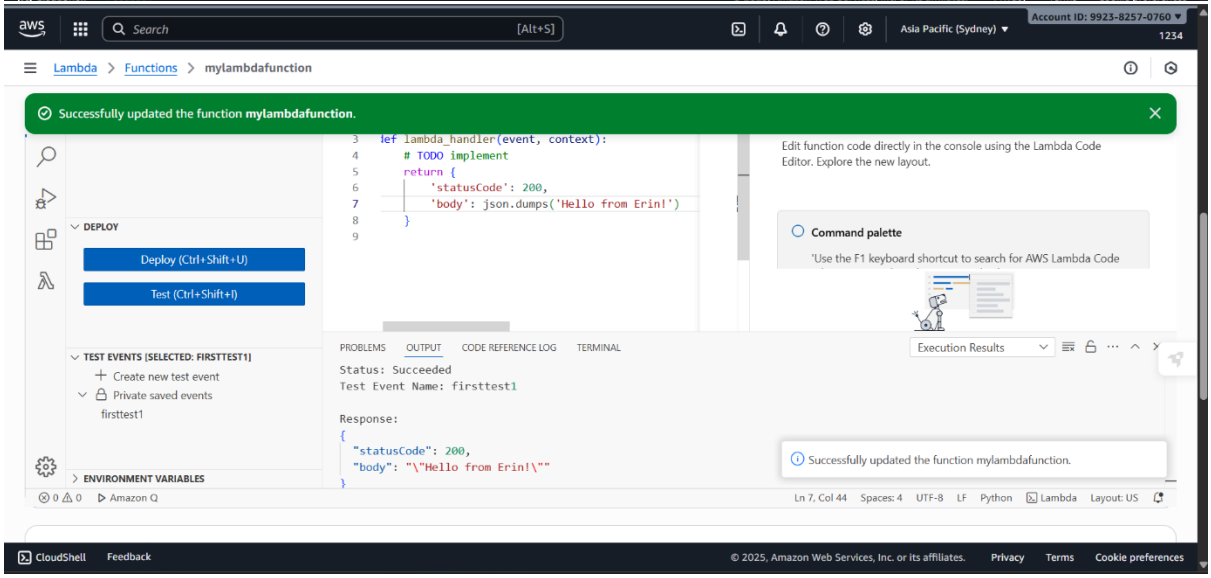

Search [Alt+S]
Asia Pacific (Sydney)
Account ID: 9923-8257-0760
1234
Upload succeeded
For more information, see the Files and folders table.
Summary
Destination
s3://bucketlistofsavana7988684313
Succeeded
1 file, 35.9 KB (100.00%)
Failed
0 files, 0 B (0%)
Files and folders
Configuration
Files and folders (1 total, 35.9 KB)
Find by name
Name
Folder
Type
Size
Status
Error
Erin Antil certificate.pdf
application/pdf
35.9 KB
Succeeded
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


Search [Alt+S]
Asia Pacific (Sydney)
Account ID: 9923-8257-0760
1234
Lambda > Functions > mylambdafunction
Successfully updated the function mylambdafunction.
def lambda_handler(event, context):
# TODO implement
return {
'statusCode': 200,
'body': json.dumps('Hello from Erin!')
}
Edit function code directly in the console using the Lambda Code Editor. Explore the new layout.
Command palette
'Use the F1 keyboard shortcut to search for AWS Lambda Code
DEPLOY
Deploy (Ctrl+Shift+U)
Test (Ctrl+Shift+I)
TEST EVENTS [SELECTED: FIRSTTEST1]
Create new test event
Private saved events
firsttest1
ENVIRONMENT VARIABLES
PROBLEMS
OUTPUT
CODE REFERENCE LOG
TERMINAL
Execution Results
Status: Succeeded
Test Event Name: firsttest1
Response:
{
"statusCode": 200,
"body": "\"Hello from Erin!\""
}
Successfully updated the function mylambdafunction.
Ln 7, Col 44
Spaces: 4
UTF-8
LF
Python
Lambda
Layout: US
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences