

2. Code an AWS Lambda function to store a document or PDF file in an S3 bucket.

Let's move on to the second Lambda function for uploading files to S3. I'll guide you step by step:

Create a new Lambda function:

Go back to Lambda console

Click "Create function"

Select "Author from scratch"

Function name: upload_to_s3

Runtime: Python 3.9

Architecture: x86_64

Type the code in the editor:

Add S3 permissions:

Click on "Configuration"

Click on "Permissions"

Click on the role name (it starts with your function name)

Click "Add permissions" → "Create inline policy"

Click "JSON" tab

Type policy

Replace "your-bucket-name" with your actual S3 bucket name

Click "Review policy"

Name it "S3UploadPolicy"

Click "Create policy"

After creating the policy

Get back to the lambda function code editor

Deploy the code:

Type this into the Lambda code editor

Click "Deploy"

Test the function:

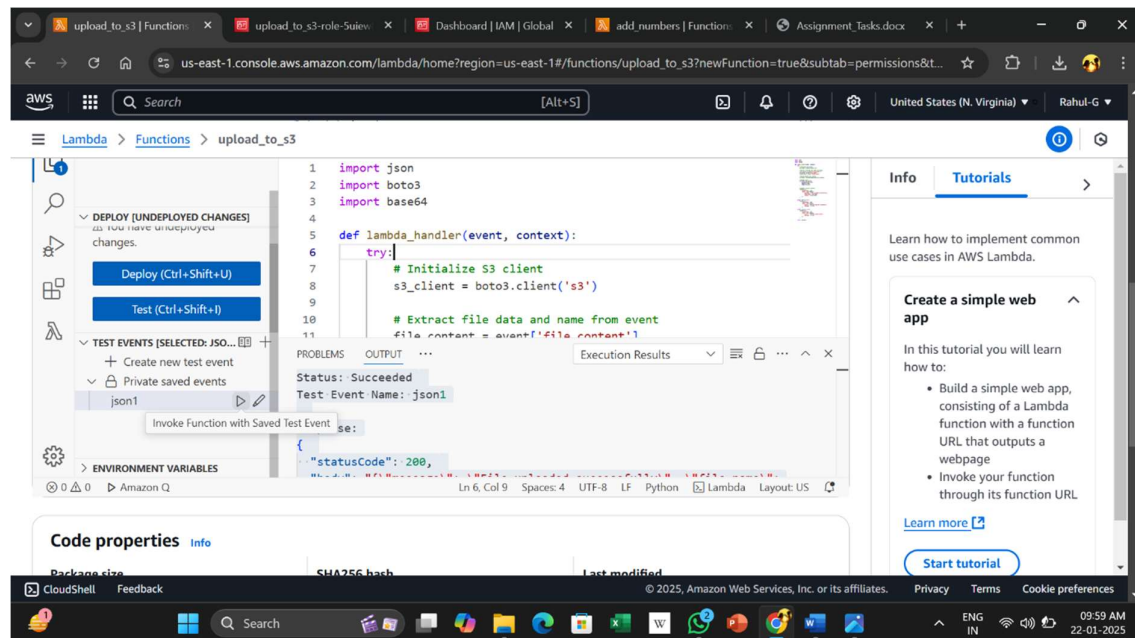
Click "Test"

Create a new test event with this JSON:

json

And in your test event:

Save this and click on test



OUTPUT SCREEN :

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/upload_to_s3?newFunction=true&subtab=permissions&it...

upload_to_s3

EXPLORER

DEPLOY [UNDEPLOYED CHANGES]

Deploy (Ctrl+Shift+U)

Test (Ctrl+Shift+I)

TEST EVENTS [SELECTED: JSON1]

Create new test event

Private saved events

json1

ENVIRONMENT VARIABLES

PROBLEMS

OUTPUT

Execution Results

Status: Succeeded

Test Event Name: json1

Response:

```
{
  "statusCode": 200,
  "body": "{\"message\": \"File uploaded successfully\", \"file_name\": \"test.txt\", \"bucket\": \"my-test-bucket-0228\"}"
}
```

Function Logs:

START RequestId: 025f25ad-fd64-47e6-9da7-5b1cb98ca1a2 Version: \$LATEST

END RequestId: 025f25ad-fd64-47e6-9da7-5b1cb98ca1a2

REPORT RequestId: 025f25ad-fd64-47e6-9da7-5b1cb98ca1a2 Duration: 809.66 ms

Billed Duration: 810 ms Memory Size: 128 MB Max Memory Used: 83 MB

Request ID: 025f25ad-fd64-47e6-9da7-5b1cb98ca1a2

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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