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:

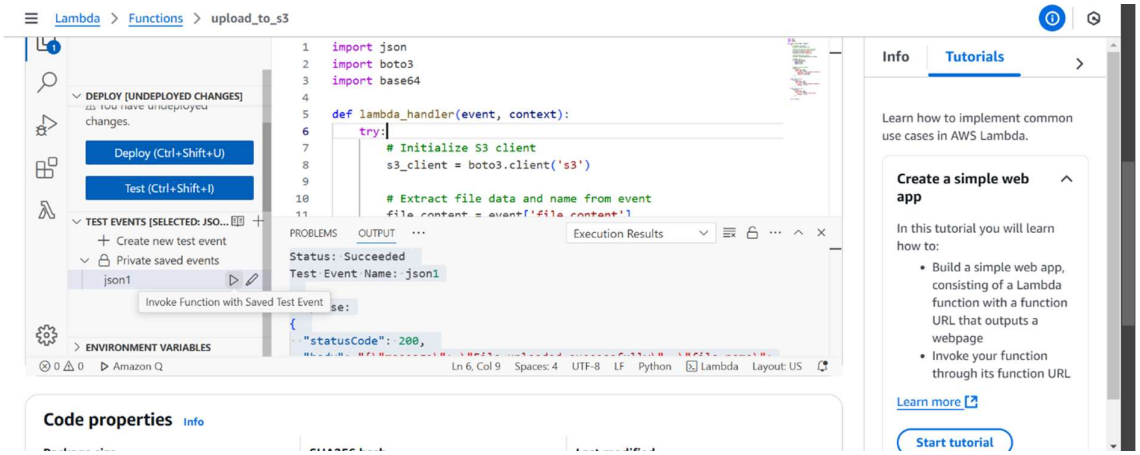
Click "Test"

Create a new test event with this JSON:

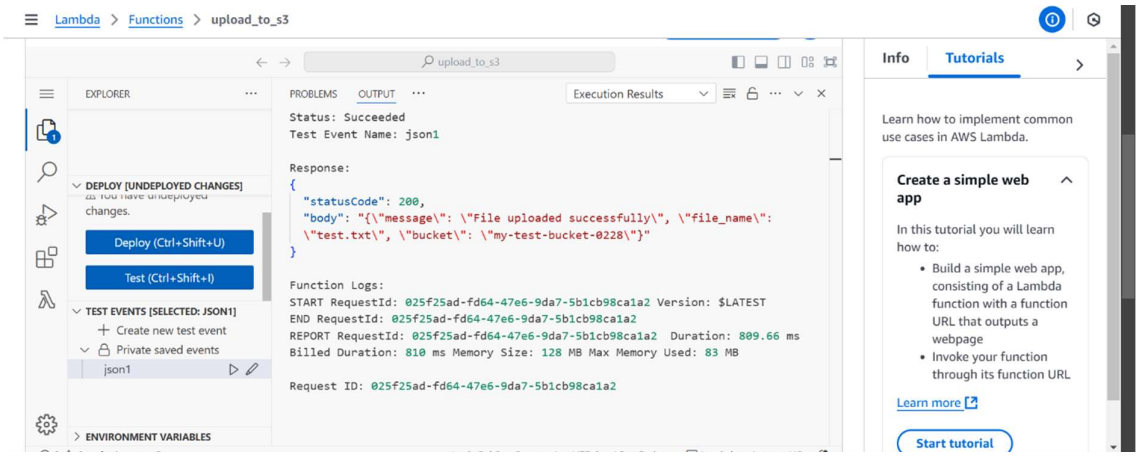
json

And in your test event:

Save this and click on test



OUTPUT SCREEN :


Lambda > Functions > upload_to_s3
upload_to_s3
EXPLORER
DEPLOY [UNDEPLOYED CHANGES]
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
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