

Step by step procedure in invoking a lambda function on the AWS console

- The configuration of the lambda function which included the name and the runtime was specified as shown below.

The screenshot shows the 'Create function' page in the AWS Lambda console. The 'Author from scratch' option is selected. The function name is 'lambda-s3-file-reader' and the runtime is 'Python 3.13'. The architecture is set to 'x86_64'.

Create function [Info](#)

Choose one of the following options to create your function.

- ☒ **Author from scratch**
Start with a simple Hello World example.
- ☐ **Use a blueprint**
Build a Lambda application from sample code and configuration presets for common use cases.
- ☐ **Container image**
Select a container image to deploy for your function.

Basic information

Function name
Enter a name that describes the purpose of your function.

Function name must be 1 to 64 characters, must be unique to the Region, and can't include spaces. Valid characters are a-z, A-Z, 0-9, hyphens (-), and underscores (_).

Runtime [Info](#)
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Architecture [Info](#)
Choose the instruction set architecture you want for your function code.
☒ **x86_64**

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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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- The lambda function was also given an execution role with permission to read from S3 bucket.

The screenshot shows the 'Execution role' configuration page in the AWS Lambda console. The 'Create a new role from AWS policy templates' option is selected. The role name is 'lambdarole' and the policy template is 'Amazon S3 object read-only permissions'.

Execution role
Choose a role that defines the permissions of your function. To create a custom role, go to the [IAM console](#).

- ☐ Create a new role with basic Lambda permissions
- ☐ Use an existing role
- ☒ **Create a new role from AWS policy templates**

Role name
Enter a name for your new role.

Use only letters, numbers, hyphens, or underscores with no spaces.

Policy templates - optional [Info](#)
Choose one or more policy templates.

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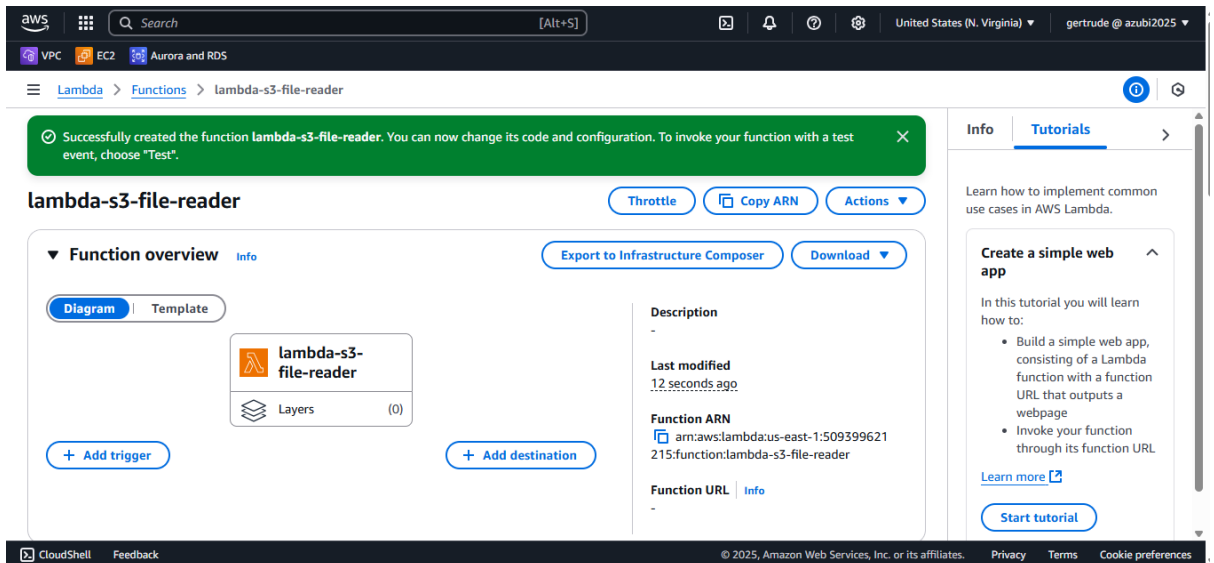
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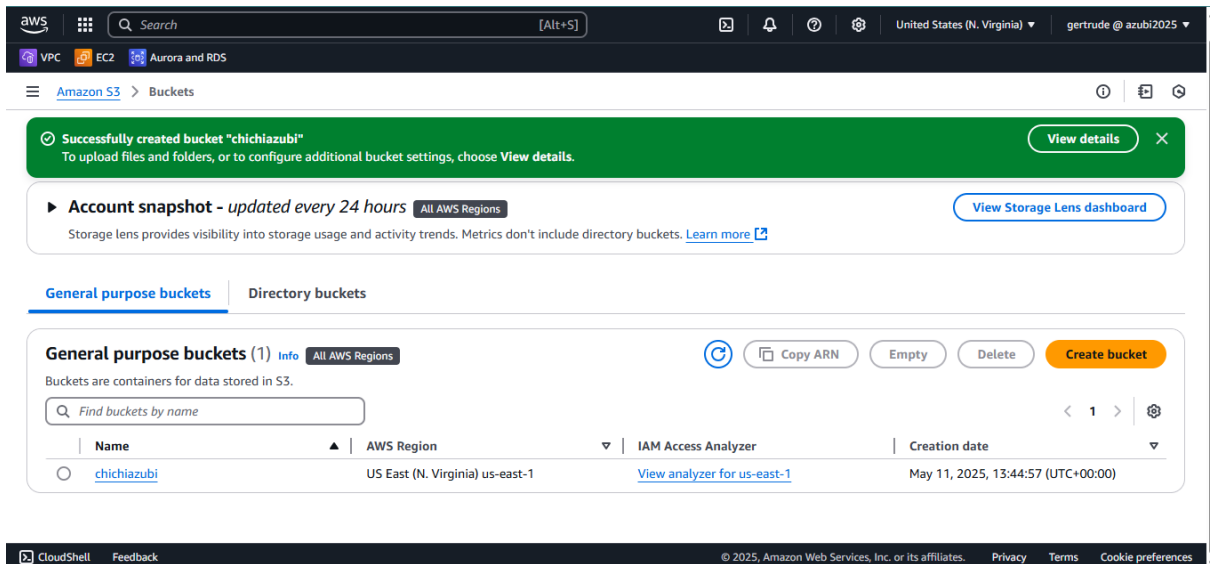
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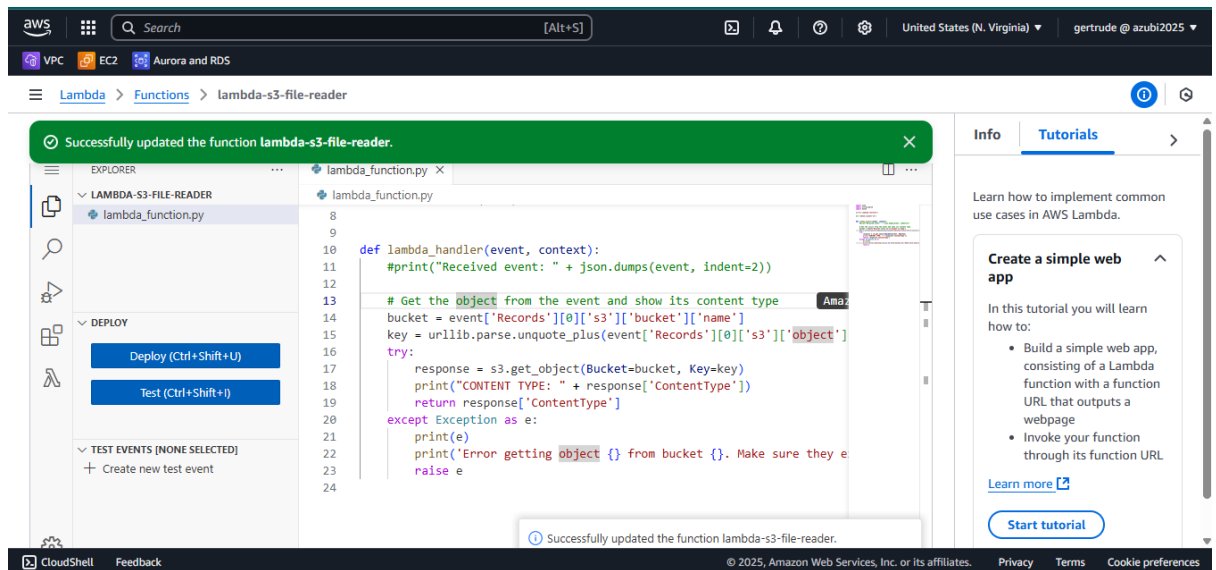
- The lambda function was successfully created



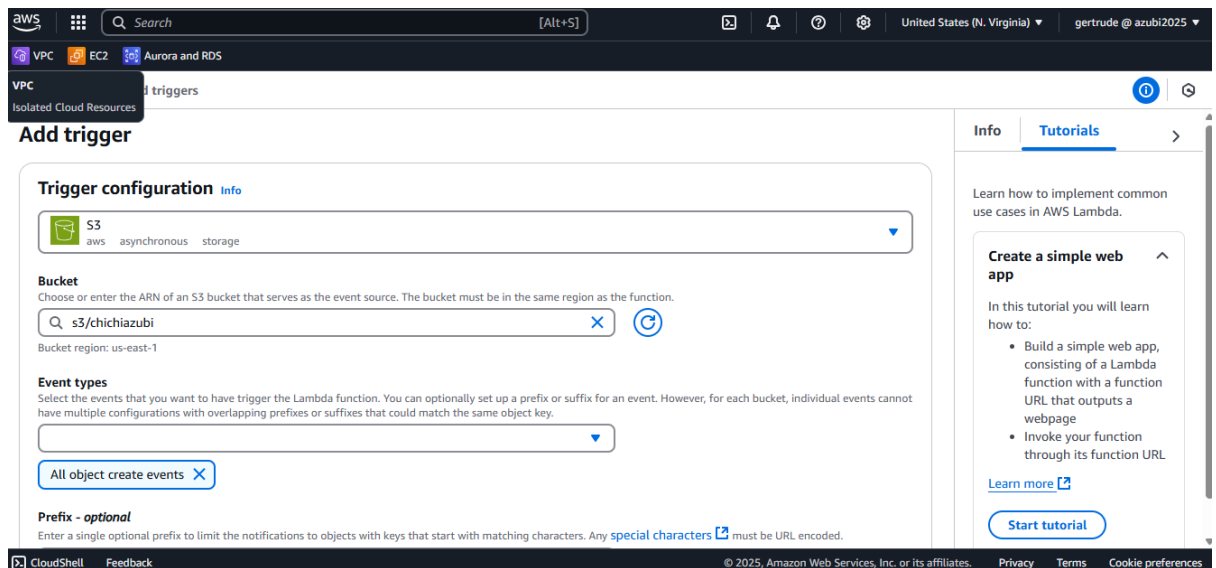
- An s3 bucket was created.



- The lambda function was updated to modify the file which will be uploaded in the s3 bucket



- A trigger for the lambda function was also added.



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VPC EC2 Aurora and RDS

Lambda > Functions > lambda-s3-file-reader

lambda-s3-file-reader

Throttle Copy ARN Actions

✓ The trigger chichiazubi was successfully added to function lambda-s3-file-reader. The function is now receiving events from the trigger. ✕

▼ Function overview Info

Diagram Template

lambda-s3-file-reader

Layers (0)

S3

+ Add destination

+ Add trigger

Export to Infrastructure Composer Download

Description

Last modified 4 minutes ago

Function ARN `arn:aws:lambda:us-east-1:509399621215:function:lambda-s3-file-reader`

Function URL Info

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- This was the state of the cloudwatch metrics before a file was uploaded in the S3 bucket. The lambda function was not invoked because it was not triggered by any event.

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VPC EC2 Aurora and RDS

Lambda > Functions > lambda-s3-file-reader

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CloudWatch metrics

Lambda sends runtime metrics for your functions to Amazon CloudWatch. The metrics shown are an aggregate view of all function runtime activity. To view metrics for the unqualified or \$LATEST resource, choose **Filter by**. To view metrics for a specific function version or alias, choose **Aliases** or **Versions**, select the alias or version, and then choose **Monitor**.

Invocations

No unit

1

No data available. Try adjusting the dashboard time range.

0.5

0

11:02 14:01

Invocations

Duration

No unit

1

No data available. Try adjusting the dashboard time range.

0.5

0

11:02 14:01

Duration minimum Duration average Duration maximum

Error count and success r...

No unit

1

No data available. Try adjusting the dashboard time range.

0.5

0

11:02 14:01

Errors Success rate (%)

Throttles

Total concurrent executions

Recursive invocations dro...

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- Two files were successfully uploaded in the S3 bucket .

The screenshot shows the AWS S3 console interface. At the top, a green banner indicates "Upload succeeded" for the destination `s3://chichiazubi`, showing that 2 files (3.1 KB) were successfully uploaded (100.00%) and 0 files (0 B) failed (0%). Below this, the "Files and folders" tab is active, displaying a table with 2 total files (3.1 KB total size). The table lists the following files:

Name	Folder	Type	Size	Status	Error
index.html	-	text/html	1.6 KB	Succeeded	-
style.css	-	text/css	1.6 KB	Succeeded	-

- The status of the cloudwatch changed indicating that the lambda function was invoked when two files were uploaded in the S3 bucket.

The screenshot shows the AWS CloudWatch console for the `lambda-s3-file-reader` function. The "CloudWatch metrics" section displays an aggregate view of function runtime activity. The metrics shown are:

- Invocations:** A line graph showing the count of invocations over time. The count is 3.
- Duration:** A line graph showing the duration of invocations in milliseconds. The duration is 335 milliseconds.
- Error count and success rate:** A line graph showing the error count and success rate over time. The error count is 1, and the success rate is 100%.

The right sidebar contains a "Tutorials" section with a link to "Create a simple web app" and a "Start tutorial" button.