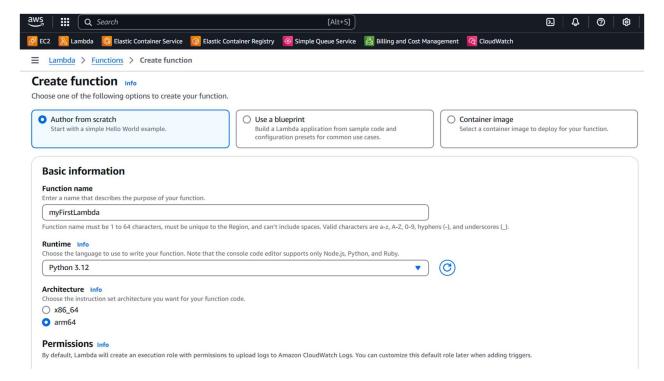
# Report on AWS Lambda and EventBridge Rule Implementation

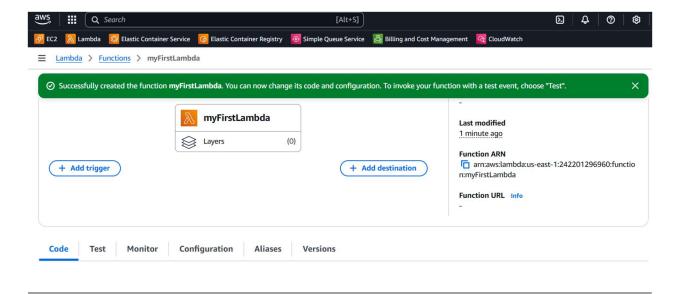
### Introduction

This report outlines the steps taken to implement an AWS Lambda function triggered by an EventBridge rule that runs every minute. The function prints event details and is monitored for execution metrics.

## **Step 1: Creating the AWS Lambda Function**

- 1. Navigate to the **AWS Lambda** service in the AWS Management Console.
- Click on Create function.
- 3. Select Author from scratch.
- 4. Provide the function name: myFirstLambda.
- 5. Choose **Python 3.12** as the runtime.
- 6. Click Create function.



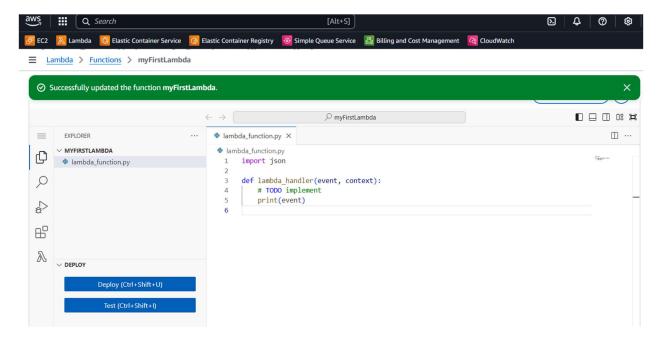


# **Step 2: Writing the Python Code**

1. In the Lambda function editor, replace the default code with the following Python script:

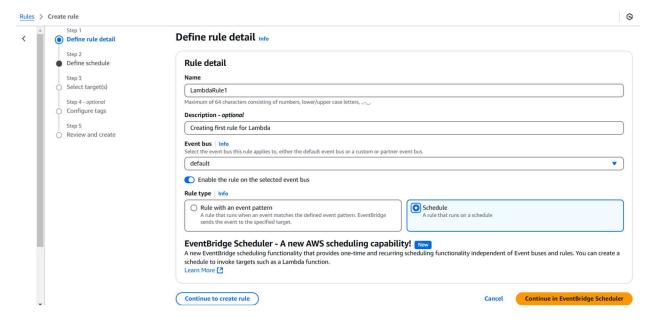
def lambda\_handler(event, context):
print(event)

2. Click **Deploy** to save the function.

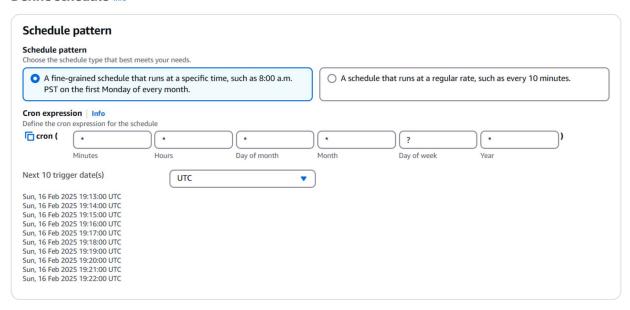


## Step 3: Creating an EventBridge Rule

- 1. Navigate to the **Amazon EventBridge** service.
- 2. Click on Rules in the sidebar.
- 3. Click Create rule.
- 4. Enter the rule name: LambdaRule1.
- 5. Choose **Schedule** as the rule type.
- 6. In the **Schedule pattern**, enter the cron expression: \* \* \* \* ? \* (runs every minute).



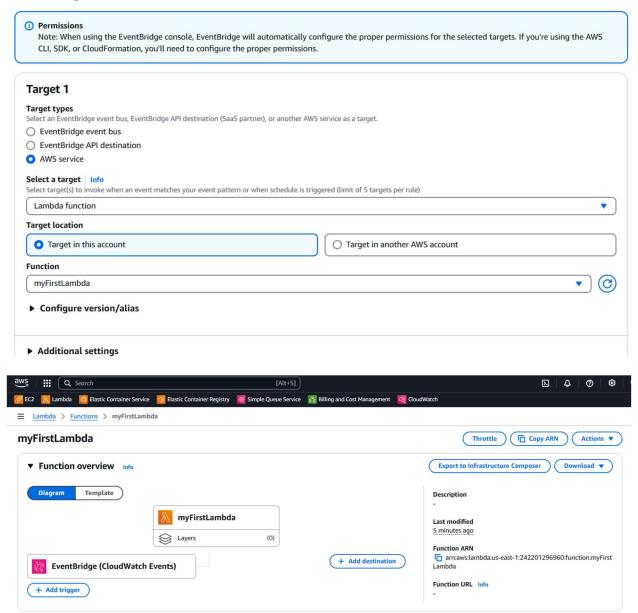
#### Define schedule Info



# Step 4: Adding the Lambda Function as the Target

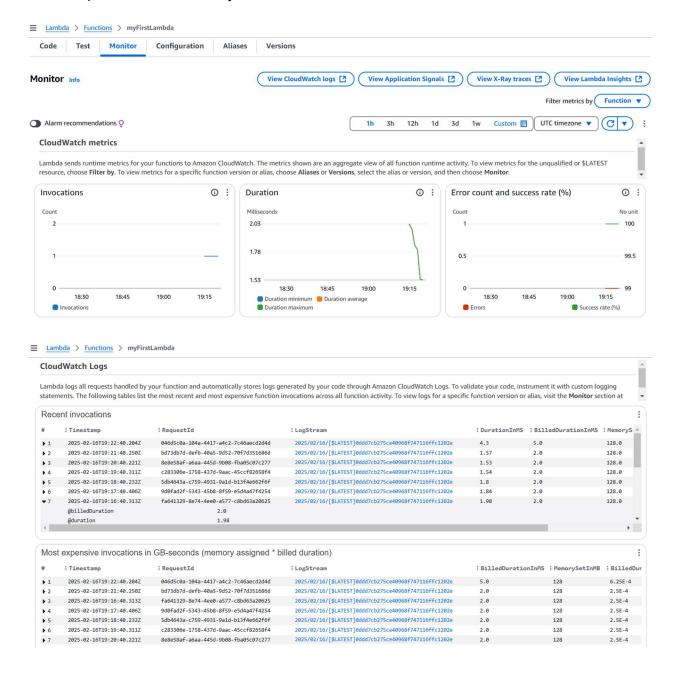
- 1. In the Target section, select AWS Lambda function.
- 2. Choose myFirstLambda from the dropdown.
- 3. Click Create rule.

#### Select target(s)



## **Step 5: Monitoring the Execution**

- 1. Navigate to AWS CloudWatch.
- 2. Open the **Logs** section and find myFirstLambda.
- 3. Check the logs for event execution details.
- 4. Open Metrics and verify the invocation count.



# Conclusion

The AWS Lambda function myFirstLambda was successfully created and scheduled using EventBridge Rule LambdaRule1. The function was verified to run every minute by monitoring CloudWatch logs and execution metrics.