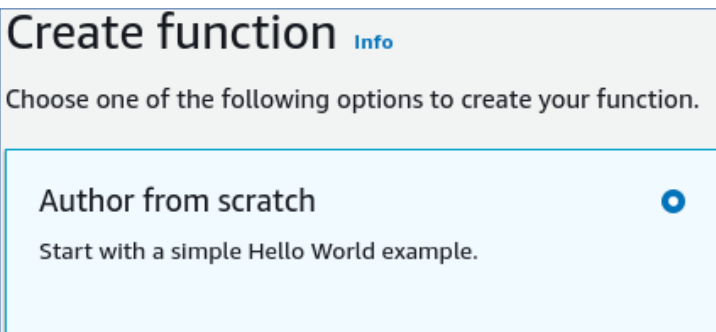
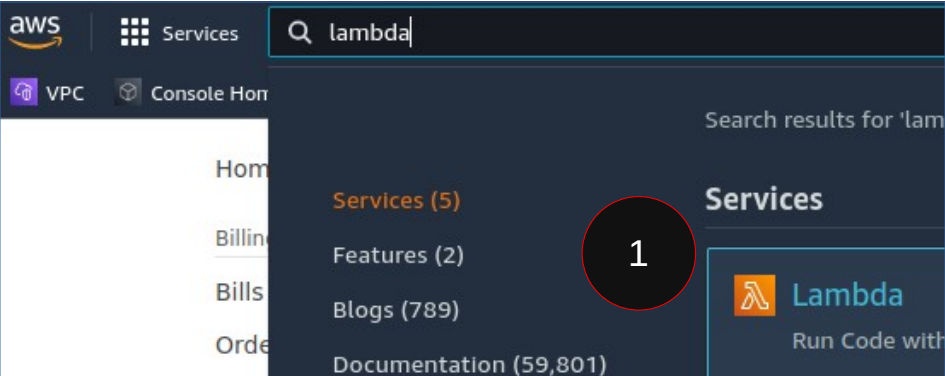


Module 9 Assignment 1: Lambda

You have been asked to:

1. Create a sample Python Lambda function
2. Set the Lambda Trigger as SQS and send msg to test invocations



Basic information

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

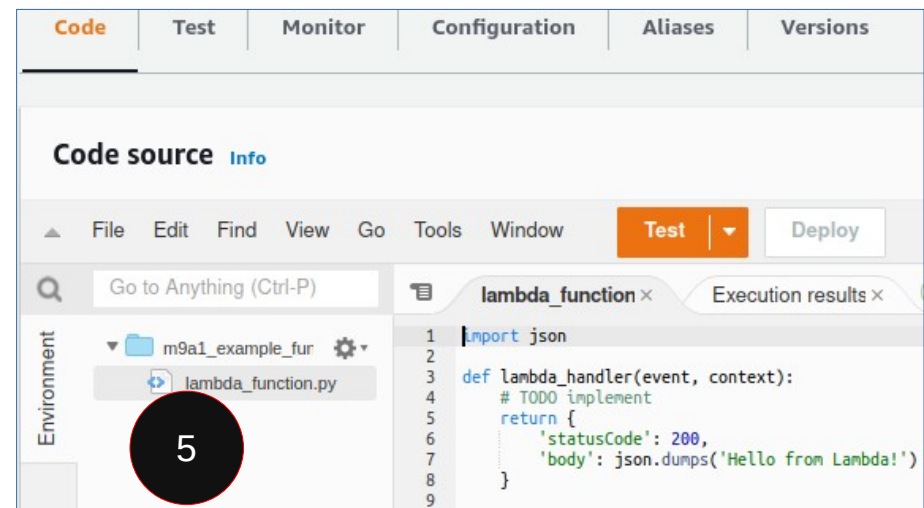
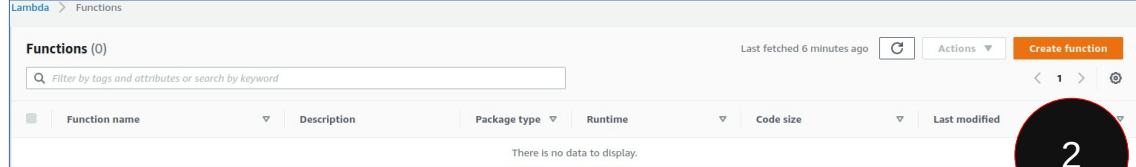
Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime [Info](#)
Choose the language to use to write your function. Note that the con

Architecture [Info](#)
Choose the instruction set architecture you want for your function co
☒ x86_64
☐ arm64



+ Add trigger



1. Open AWS Console. Search for "Lambda". Open Lambda console.
2. Select "Create function"
3. Select "Author from scratch"
4. Type function name, select "Python 3.9". Leave other values as it is
5. Enter the code in the editor
6. Click on "Add trigger"

+ Add trigger

Lambda > Add trigger

Add trigger

Trigger configuration

Select a trigger

Q |



EventBridge (CloudWatch Events)
aws events management-tools



Kinesis
analytics aws streaming



MQ
aws messaging multi-protocol



MSK
aws cluster



S3
aws storage



SNS
aws messaging notifications pub-sub push



SQS
aws queue

Add trigger

Trigger configuration



SQS
aws queue

SQS queue

Choose or enter the ARN of an SQS queue.

Q

arn:aws:sqs:us-east-1:940427138775:m9a1_sqs_1

X



Use: "arn:aws:sqs:us-east-1:940427138775:m9a1_sqs_1"

m9a1_sqs_1

10

Batch window

The maximum amount of time to gather records before invoking the function, in seconds.

0

► Additional settings - optional

In order to read from the SQS trigger, your execution role must have proper permissions.



Cancel

Add

6. Click on "Add trigger"
7. Select SQS for Trigger configuration
8. Select the ARN of the SQS entity already created for this assignment in SQS console. Click "Add"

Send and receive messages

Send messages to and receive messages from a queue.

Send message [Info](#)

[Clear content](#)[Send message](#)

✔ Your message has been sent and is ready to be received.

[View details](#)

Message body

Enter the message to send to the queue.

Hi from SQS 2

Delivery delay [Info](#)

Seconds



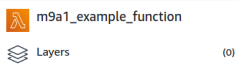
Should be between 0 seconds and 15 minutes.

▶ [Message attributes - Optional](#) [Info](#)

m9a1_example_function

[Throttle](#)[Copy ARN](#)

▼ Function overview [Info](#)



Layers (0)



+ Add destination

Description

-

Last modified

1 hour ago

Function ARN

arn:aws:lambda:us-east-1:940427138775:function:m9a1_example_function

10

Code | [Triggers](#) | [Configuration](#) | [Aliases](#) | [Versions](#)

Metrics | **Logs** | Traces

[View logs in CloudWatch](#)[View X-Ray traces in ServiceLens](#)[View Lambda Insights](#)[View profiles in](#)

CloudWatch Logs Insights [Info](#)

Lambda logs all requests handled by your function and automatically stores logs generated by your code through Amazon CloudWatch Logs. To validate your code, instrument it with custom logging statements. The following tables list the most recent and most expensive function invocations across all function activity. To view logs for a specific function version or alias, visit the **Monitor** section at that level.

1h 3h 12h 1d 3d 1w Custom

Add

Recent invocations

#	Timestamp	RequestID	LogStream	DurationInMS	BilledDurationInMS	MemorySetInMB	MemoryUsedInMB
1	2022-01-23T08:20:06.752Z	dc871a2c-15d8-583f-9094-4040435ade	2022/01/23/[SLATEST]4a13fc1b6e8749c8a1c7e5c9f4212a0	0.97	1	128	37
2	2022-01-23T08:18:57.036Z	ebae7e18-7e45-5a49-9dc6-a47f6fdbb8a8	2022/01/23/[SLATEST]4a13fc1b6e8749c8a1c7e5c9f4212a0	0.8	1	128	37
3	2022-01-23T08:16:21.351Z	649c237e-e718-419f-8ae4-cb21ea482508	2022/01/23/[SLATEST]4a13fc1b6e8749c8a1c7e5c9f4212a0	0.73	1	128	37
4	2022-01-23T08:14:40.575Z	a48dc6d-d4eb-592a-8873-c68ac44e0d6b	2022/01/23/[SLATEST]4a13fc1b6e8749c8a1c7e5c9f4212a0	0.83	1	128	37
5	2022-01-23T08:14:00.523Z	82dc2af5-3aeb-5940-b732-78922a6dcdbd	2022/01/23/[SLATEST]4a13fc1b6e8749c8a1c7e5c9f4212a0	0.93	1	128	37

9. In the SQS console, choose the configured SQS and select “Send message”
10. In the Lambda console, verify from “Logs” that the SQS message indeed triggered the Lambda