

Don Bosco Institute of Technology, Mumbai 400070

Department of Information Technology

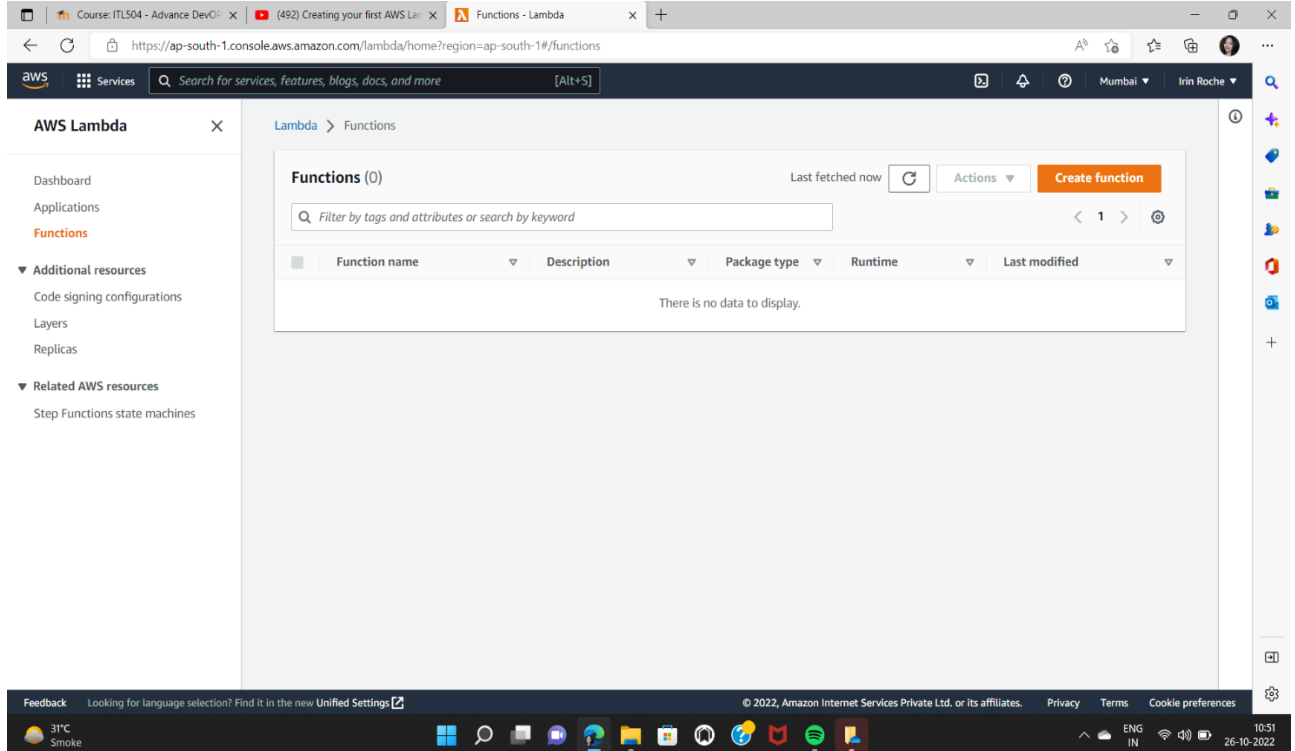
Name: Irin Roche

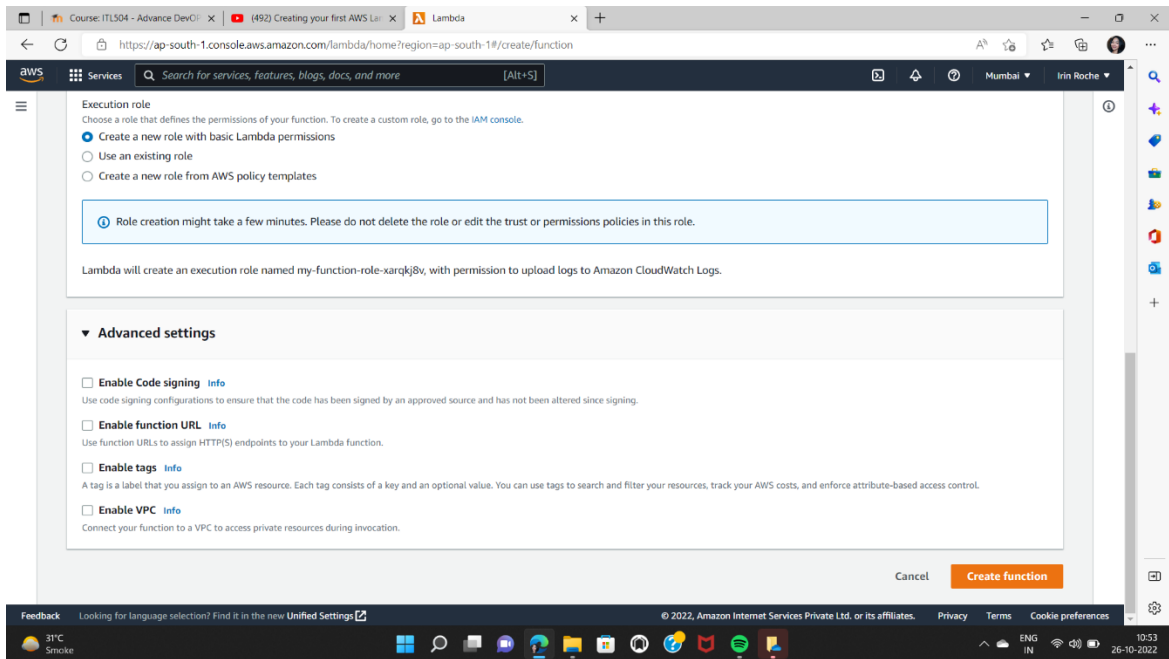
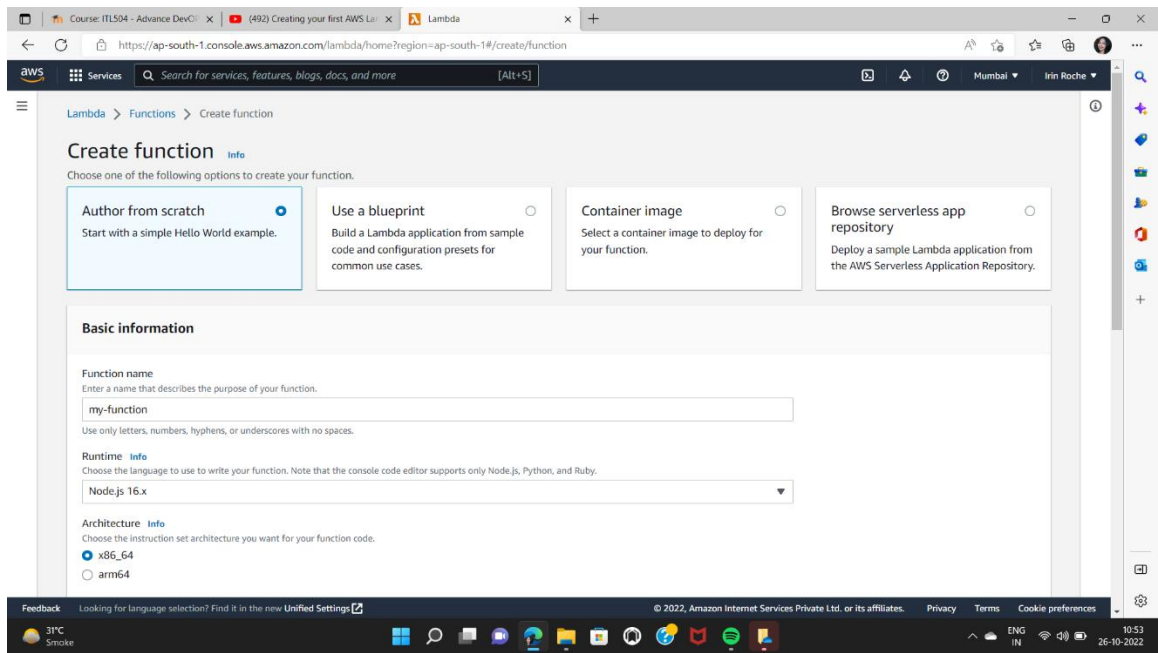
Sem: 5, Branch: IT, Batch: 1

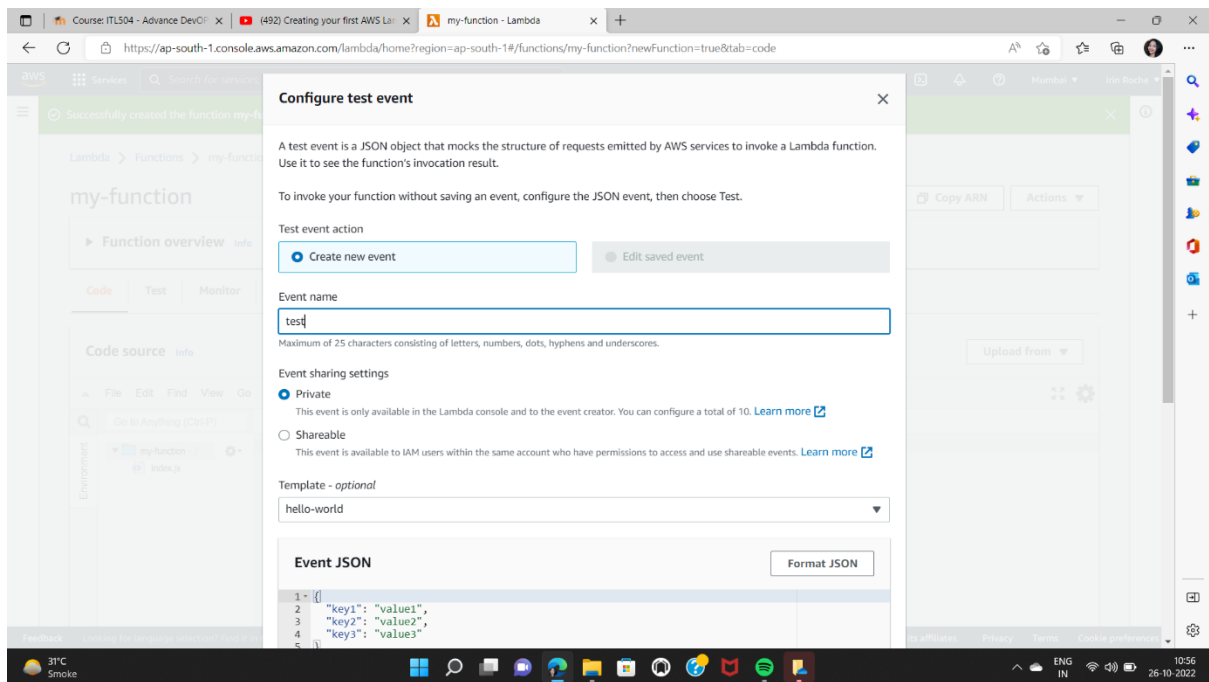
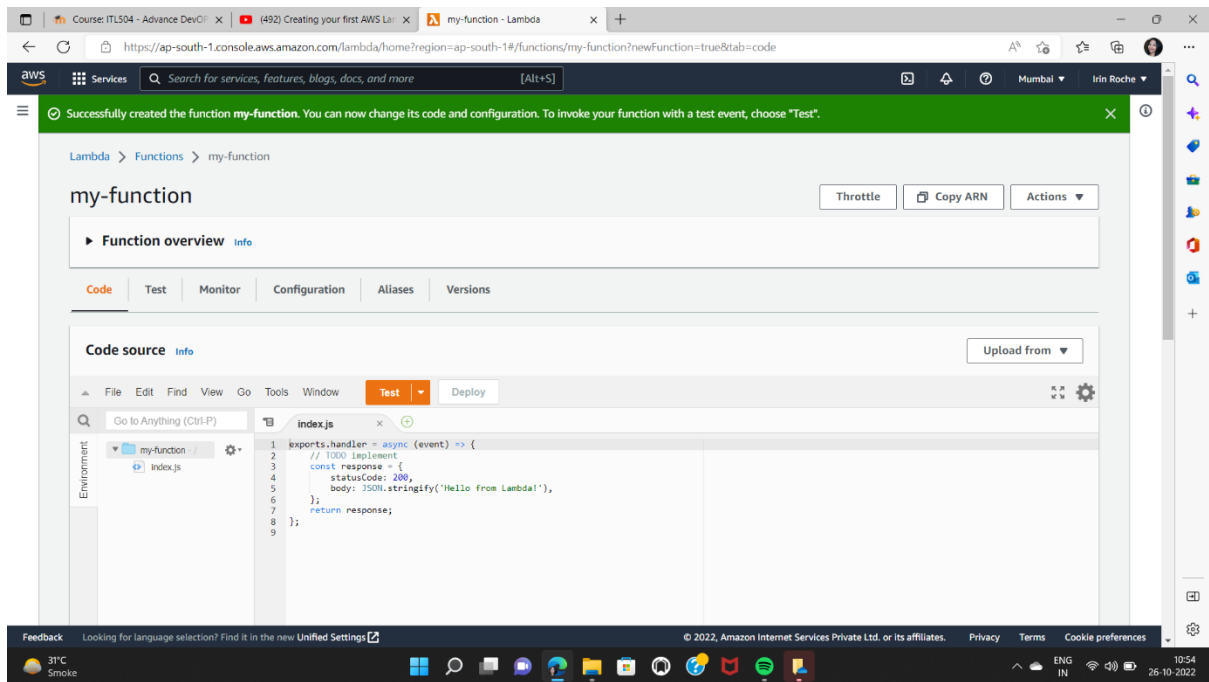
Experiment No.11

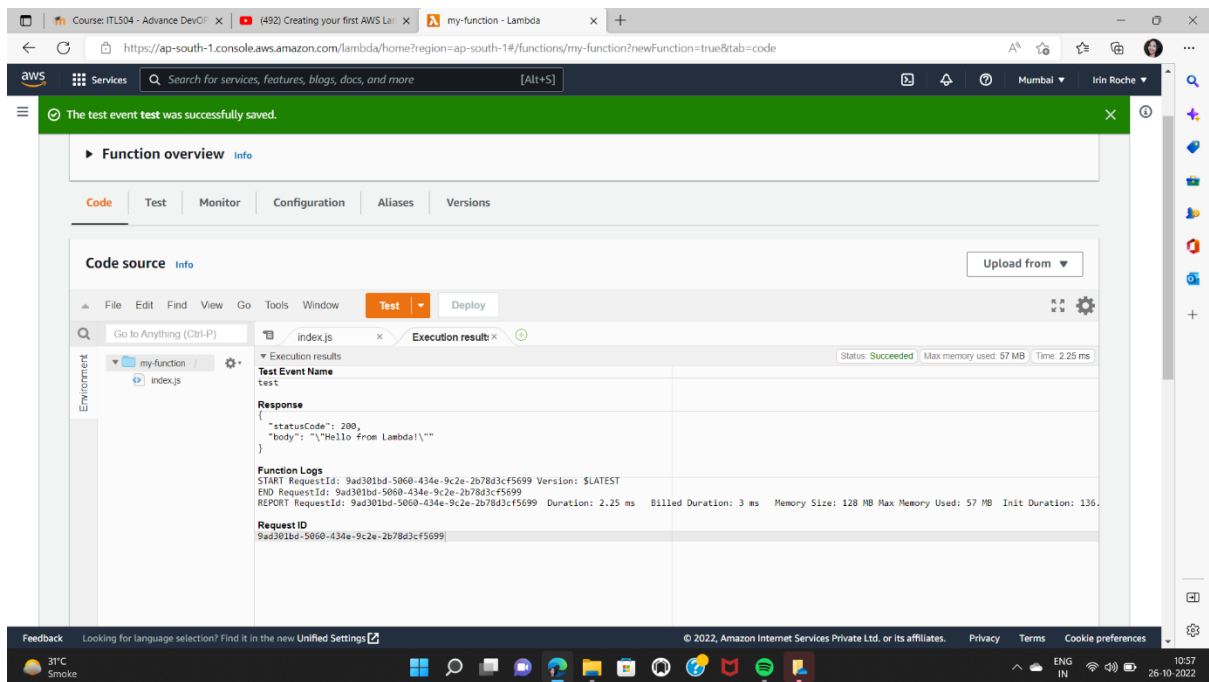
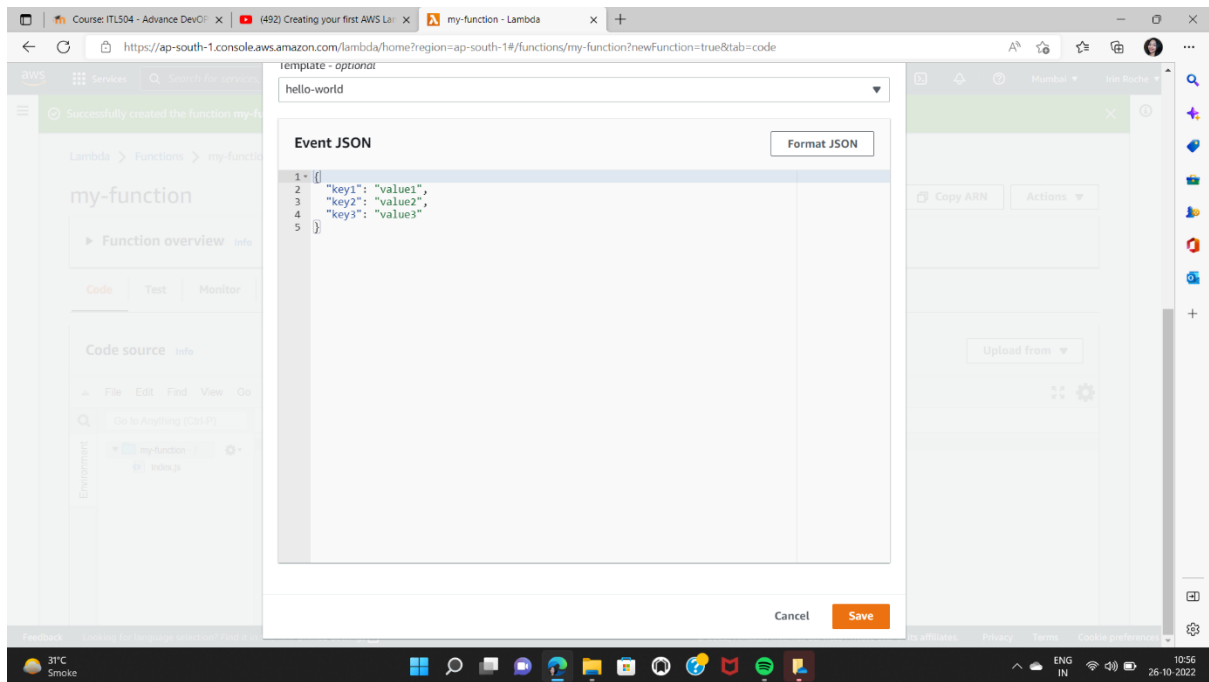
22_Irin Roche

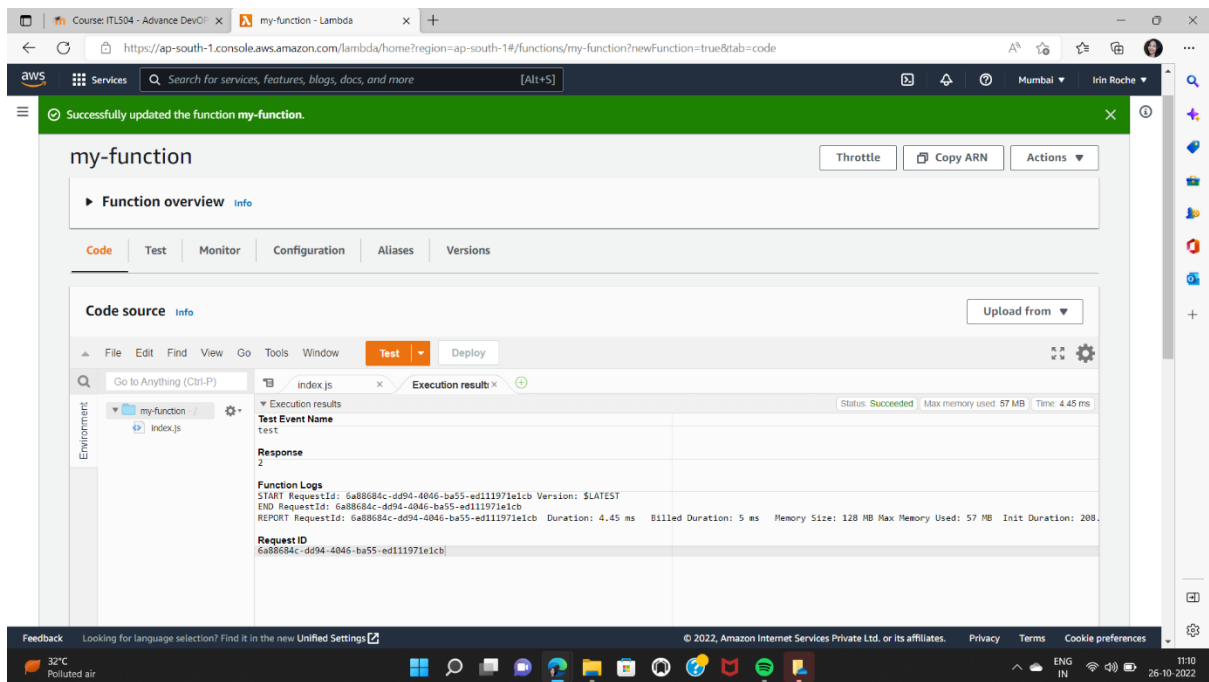
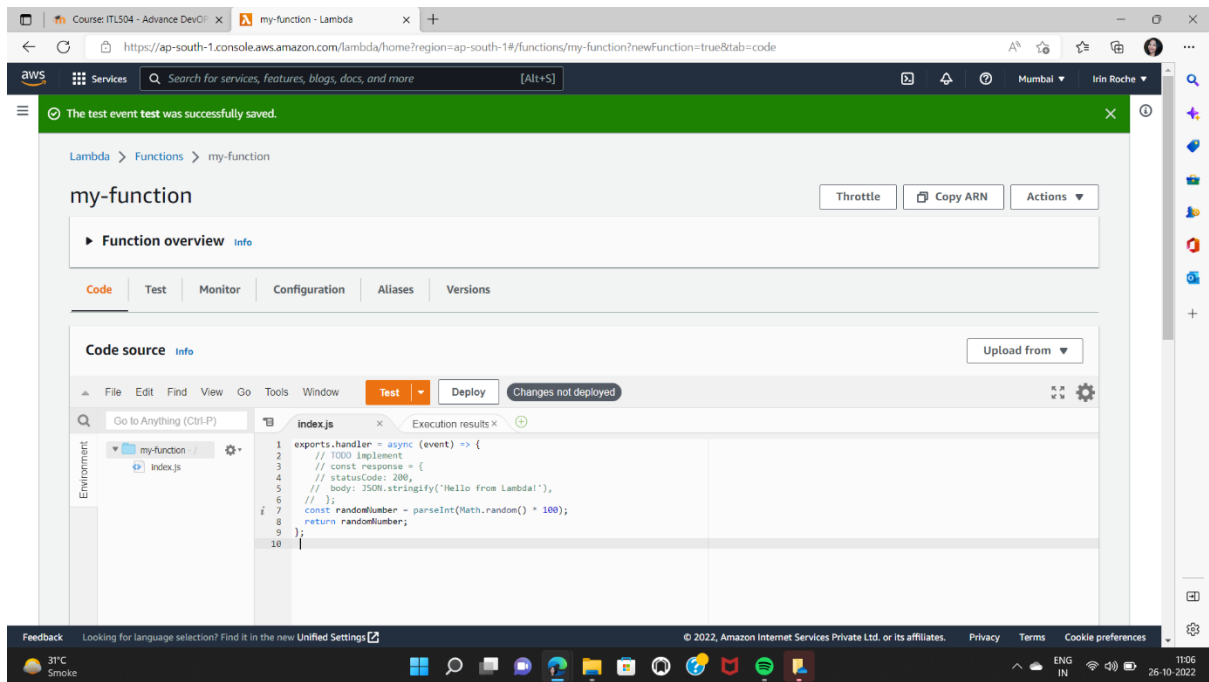
To understand AWS Lambda, its workflow, and various functions and create your first Lambda functions using Python / Java / Nodejs











Course: ITL504 - Advance DevOps | my-function - Lambda

https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/my-function?newFunction=true&tab=code

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Successfully updated the function my-function.

my-function

Throttle Copy ARN Actions

Function overview Info

Code Test Monitor Configuration Aliases Versions

Code source Info Upload from

File Edit Find View Go Tools Window Test Deploy

Go to Anything (Ctrl-P)

Environment my-function index.js

Execution results Status: Succeeded Max memory used: 58 MB Time: 22.80 ms

Test Event Name Test

Response 84

Function Logs
START RequestId: 491ff8b1-d8ee-4675-83c4-804479600549 Version: \$LATEST
END RequestId: 491ff8b1-d8ee-4675-83c4-804479600549
REPORT RequestId: 491ff8b1-d8ee-4675-83c4-804479600549 Duration: 22.80 ms Billed Duration: 23 ms Memory Size: 128 MB Max Memory Used: 58 MB

Request ID 491ff8b1-d8ee-4675-83c4-804479600549

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Lambda > Functions > my-function

my-function

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Function overview Info

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File Edit Find View Go Tools Window Test Deploy

Go to Anything (Ctrl-P)

Environment my-function index.js

```
1 exports.handler = async (event) => {
2   // TODO Implement
3   // const response = {
4   //   statusCode: 200,
5   //   body: JSON.stringify('Hello from Lambda!'),
6   // };
7   const randomNumber = parseInt(Math.random() * 100);
8   console.log("This is my random number: ", randomNumber);
9   return randomNumber;
10 }
11
```

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https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/my-function/newFunction=true&tab=monitoring

Successfully updated the function my-function.

Lambda > Functions > my-function

my-function

Throttle Copy ARN Actions

Function overview Info

Code Test **Monitor** Configuration Aliases Versions

Metrics **Logs** Traces

View logs in CloudWatch View X-Ray traces in ServiceLens View Lambda Insights

CloudWatch Logs Insights

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 to dashboard

Recent invocations

#	Timestamp	RequestID	LogStream	DurationInMS	BilledDurationInMS	MemoryUsedInMB
1	2022-10-26T05:47:02.672Z	be34c9f7-6e9f-4db0-a195-ac03081e716c	2022/10/26/[\$LATEST]252863744a6d4895bd4e9d51d4e46c6c	31.0	32.0	128
2	2022-10-26T05:40:29.471Z	491ff8b1-d8ee-4675-83c4-804479600549	2022/10/26/[\$LATEST]244a2ae59f384e10bf38a8d763396458	22.8	23.0	128
3	2022-10-26T05:40:14.129Z	6a88684c-dd94-4046-ba55-ed111971e1cb	2022/10/26/[\$LATEST]244a2ae59f384e10bf38a8d763396458	4.45	5.0	128
4	2022-10-26T05:38:36.189Z	3ab848a2-bc37-4b25-bdeb-d656257d3381	2022/10/26/[\$LATEST]41d9ebd54d8243ba948530b4b9079	1.21	2.0	128
5	2022-10-26T05:36:38.167Z	12cc1aff-9a97-47d8-840f-c9e488e3805a	2022/10/26/[\$LATEST]41d9ebd54d8243ba948530b4b9079	2.69	3.0	128

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2	2022-10-26T05:40:29.471Z	491ff8b1-d8ee-4675-83c4-804479600549	2022/10/26/[\$LATEST]244a2ae59f384e10bf38a8d763396458	22.8	23.0	128
3	2022-10-26T05:40:14.129Z	6a88684c-dd94-4046-ba55-ed111971e1cb	2022/10/26/[\$LATEST]244a2ae59f384e10bf38a8d763396458	4.45	5.0	128
4	2022-10-26T05:38:36.189Z	3ab848a2-bc37-4b25-bdeb-d656257d3381	2022/10/26/[\$LATEST]41d9ebd54d8243ba948530b4b9079	1.21	2.0	128
5	2022-10-26T05:36:38.167Z	12cc1aff-9a97-47d8-840f-c9e488e3805a	2022/10/26/[\$LATEST]41d9ebd54d8243ba948530b4b9079	2.69	3.0	128

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1h 3h 12h 1d 3d 1w Custom Add to dashboard

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2	2022-10-26T05:40:29.471Z	491ff8b1-d8ee-4675-83c4-804479600549	2022/10/26/[\$LATEST]244a2ae59f384e10bf38a8d763396458	22.8	23.0	128
3	2022-10-26T05:40:14.129Z	6a86884c-d9d4-4046-ba55-ed111971e1cb	2022/10/26/[\$LATEST]244a2ae59f384e10bf38a8d763396458	4.45	5.0	128
4	2022-10-26T05:38:36.189Z	3ab848a2-bc37-4b25-bdeb-db56257d3381	2022/10/26/[\$LATEST]41d9ebd54d8243ba948530b4ab9d979	1.21	2.0	128
5	2022-10-26T05:38:36.167Z	12cc1aff-9a97-47d8-840f-c9e488e3805a	2022/10/26/[\$LATEST]41d9ebd54d8243ba948530b4ab9d979	2.69	3.0	128

Most expensive invocations in GB-seconds (memory assigned * billed duration)

#	Timestamp	RequestID	LogStream	BilledDurationInMS	MemorySetInMB	Billed
1	2022-10-26T05:47:02.672Z	be34c9f7-6e9f-4db0-a195-ac03081e716c	2022/10/26/[\$LATEST]252863744a6d4895bd4e9d51d4e46c6c	32.0	128	0.004
2	2022-10-26T05:40:29.471Z	491ff8b1-d8ee-4675-83c4-804479600549	2022/10/26/[\$LATEST]244a2ae59f384e10bf38a8d763396458	23.0	128	0.002
3	2022-10-26T05:40:14.129Z	6a86884c-d9d4-4046-ba55-ed111971e1cb	2022/10/26/[\$LATEST]244a2ae59f384e10bf38a8d763396458	5.0	128	0.000
4	2022-10-26T05:38:36.167Z	12cc1aff-9a97-47d8-840f-c9e488e3805a	2022/10/26/[\$LATEST]41d9ebd54d8243ba948530b4ab9d979	3.0	128	0.000
5	2022-10-26T05:38:36.189Z	3ab848a2-bc37-4b25-bdeb-db56257d3381	2022/10/26/[\$LATEST]41d9ebd54d8243ba948530b4ab9d979	2.0	128	0.000

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1	2022-10-26T05:47:02.672Z	be34c9f7-6e9f-4db0-a195-ac03081e716c	2022/10/26/[\$LATEST]252863744a6d4895bd4e9d51d4e46c6c	31.0	32.0	128

@billedDuration 32.0
@duration 31.0
@ingestionTime 1666763227513
@initDuration 138.49
@log 516279017078:/aws/lambda/my-function
@logStream 2022/10/26/[\$LATEST]252863744a6d4895bd4e9d51d4e46c6c
@maxMemoryUsed 5.767
@memorySize 1.28E8

Most expensive invocations in GB-seconds (memory assigned * billed duration)

#	Timestamp	RequestID	LogStream	BilledDurationInMS	MemorySetInMB	Billed
1	2022-10-26T05:47:02.672Z	be34c9f7-6e9f-4db0-a195-ac03081e716c	2022/10/26/[\$LATEST]252863744a6d4895bd4e9d51d4e46c6c	32.0	128	0.004
2	2022-10-26T05:40:29.471Z	491ff8b1-d8ee-4675-83c4-804479600549	2022/10/26/[\$LATEST]244a2ae59f384e10bf38a8d763396458	23.0	128	0.002
3	2022-10-26T05:40:14.129Z	6a86884c-d9d4-4046-ba55-ed111971e1cb	2022/10/26/[\$LATEST]244a2ae59f384e10bf38a8d763396458	5.0	128	0.000
4	2022-10-26T05:38:36.167Z	12cc1aff-9a97-47d8-840f-c9e488e3805a	2022/10/26/[\$LATEST]41d9ebd54d8243ba948530b4ab9d979	3.0	128	0.000
5	2022-10-26T05:38:36.189Z	3ab848a2-bc37-4b25-bdeb-db56257d3381	2022/10/26/[\$LATEST]41d9ebd54d8243ba948530b4ab9d979	2.0	128	0.000

https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#logE

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1:1 JavaScript Spaces: 4

Code properties

Package size 324.0 byte	SHA256 hash xPqd1au43nncSTM1MCV67PHQppb0u1K7WMgUrW8Ldmk=	Last modified October 26, 2022 at 11:16 AM GMT+5:30
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Runtime settings info

Actions Edit

Runtime Node.js 16.x	Handler info index.handler	Architecture info x86_64
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Layers info

Edit Add a layer

Merge order	Name	Layer version	Compatible runtimes	Compatible architectures	Version ARN
There is no data to display.					

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Lambda > Functions

Functions (1)

Last fetched 34 minutes ago Actions Create function

Filter by tags and attributes or search by keyword

	Function name	Description	Package type	Runtime	Last modified
<input type="checkbox"/>	my-function	-	Zip	Node.js 16.x	9 minutes ago

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