

Lesson 08 Demo 02

Configuring a Lambda Layer

Objective: To create and configure a Lambda function along with a Lambda layer

Tools required: AWS Lab

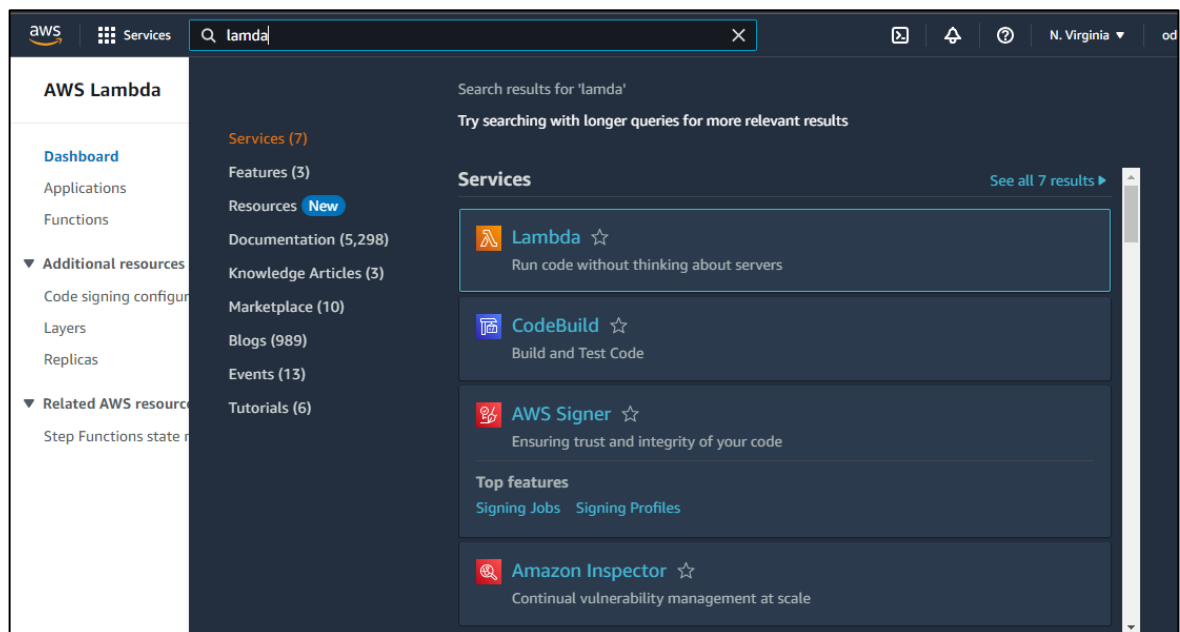
Prerequisites: None

Steps to be followed:

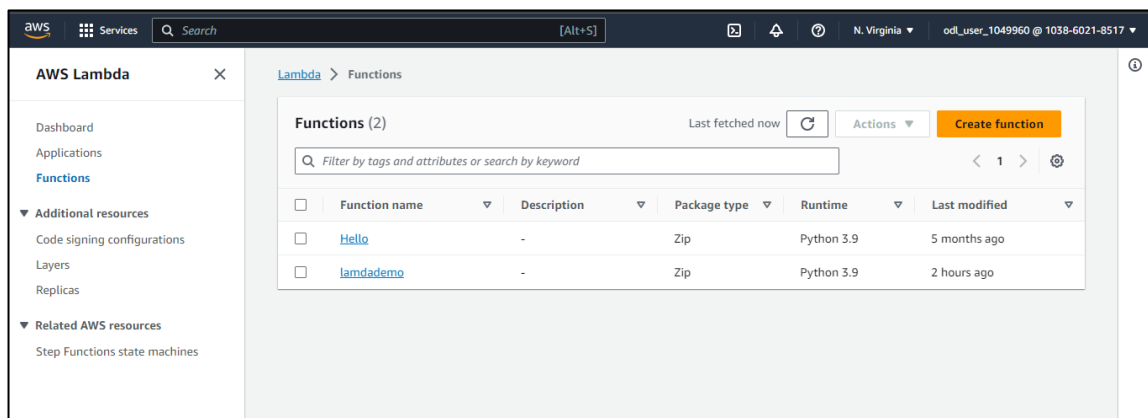
1. Create a Lambda function
2. Create a Lambda layer

Step 1: Create a Lambda function

1.1 On the AWS Management Console, search for and select **Lambda**

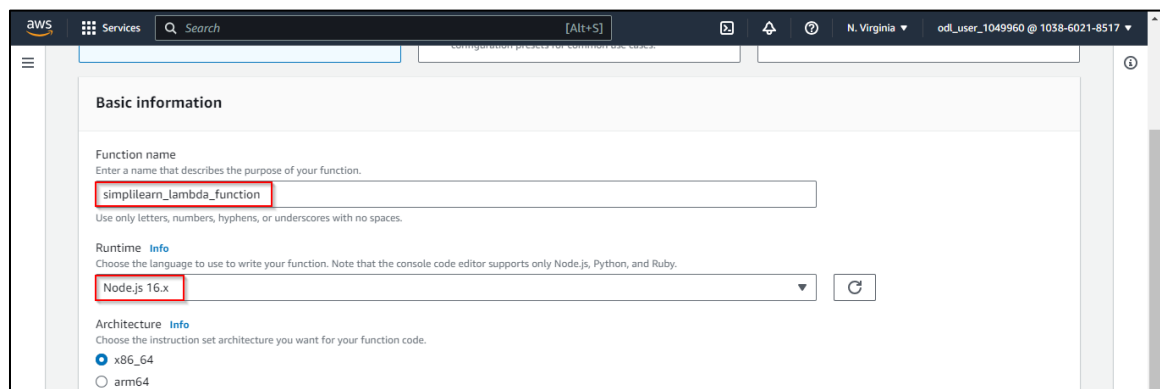


1.2 Click on the **Create function** button



1.3 In the **Basic information** section, provide the following details:

- Function name: **simplilearn_lambda_function**
- Runtime: **Node.js 16.x**
- Architecture: **x86_64**



1.4 In the **Change default execution role** section, choose **Create a new role with basic Lambda permissions** and click **Create function**

Permissions [Info](#)

By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.

▼ **Change default execution role**

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 creation might take a few minutes. Please do not delete the role or edit the trust or permissions policies in this role.

Lambda will create an execution role named `simplilearn_lambda_function-role-Oyvwbjzf`, with permission to upload logs to Amazon CloudWatch Logs.

► **Advanced settings**

Cancel **Create function**

aws Services Search [Alt+S] N. Virginia odl_user_1049960 @ 1038-6021-8517

☑ Successfully created the function `simplilearn_lambda_function`. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

▼ **Function overview** [Info](#)

simplilearn_lambda_function
Layers (0)

+ Add trigger

+ Add destination

Description
-

Last modified
4 minutes ago

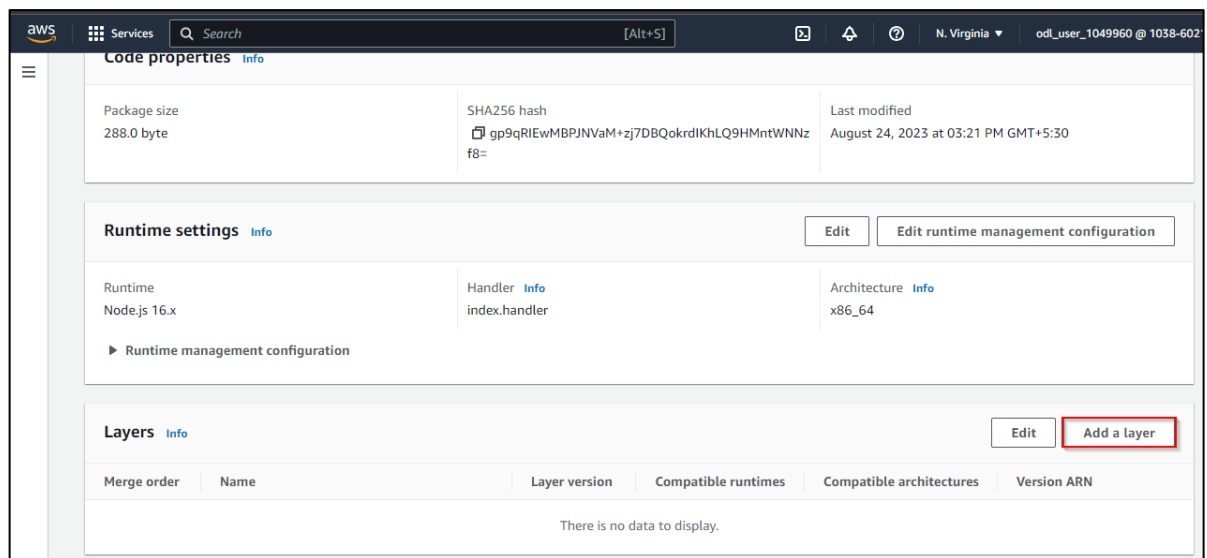
Function ARN
arn:aws:lambda:us-east-1:103860218517:function:simplilearn_lambda_function

Function URL [Info](#)
-

The Lambda function has been created successfully.

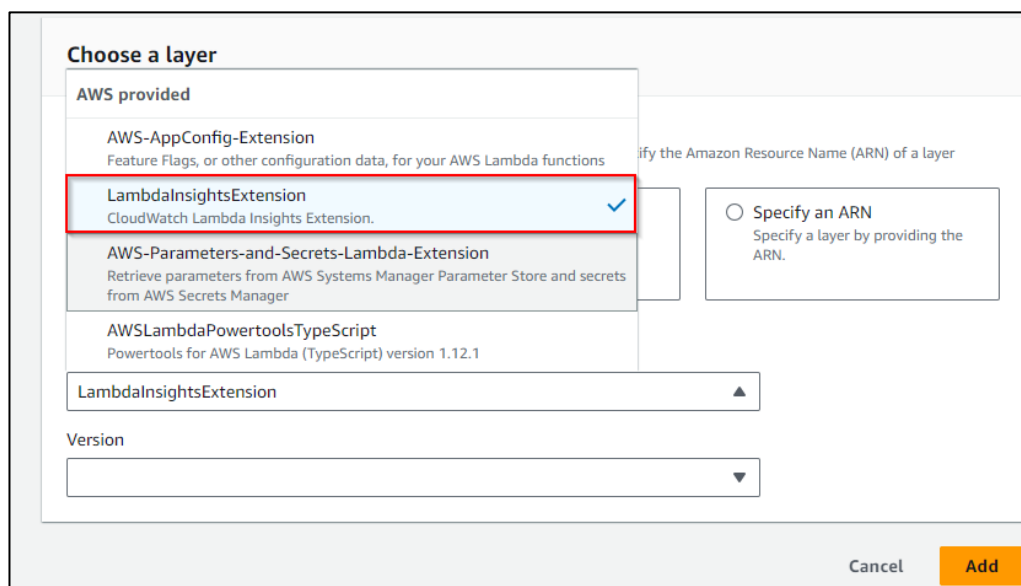
Step 2: Create a Lambda layer

2.1 In the Lambda function's page, navigate to the **Layers** section and click on the **Add a layer** button

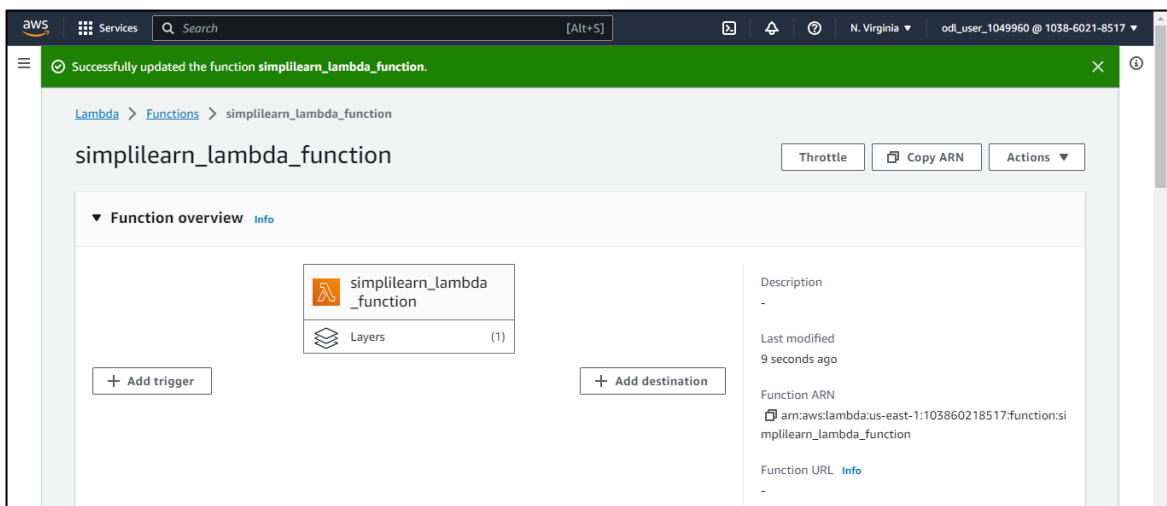
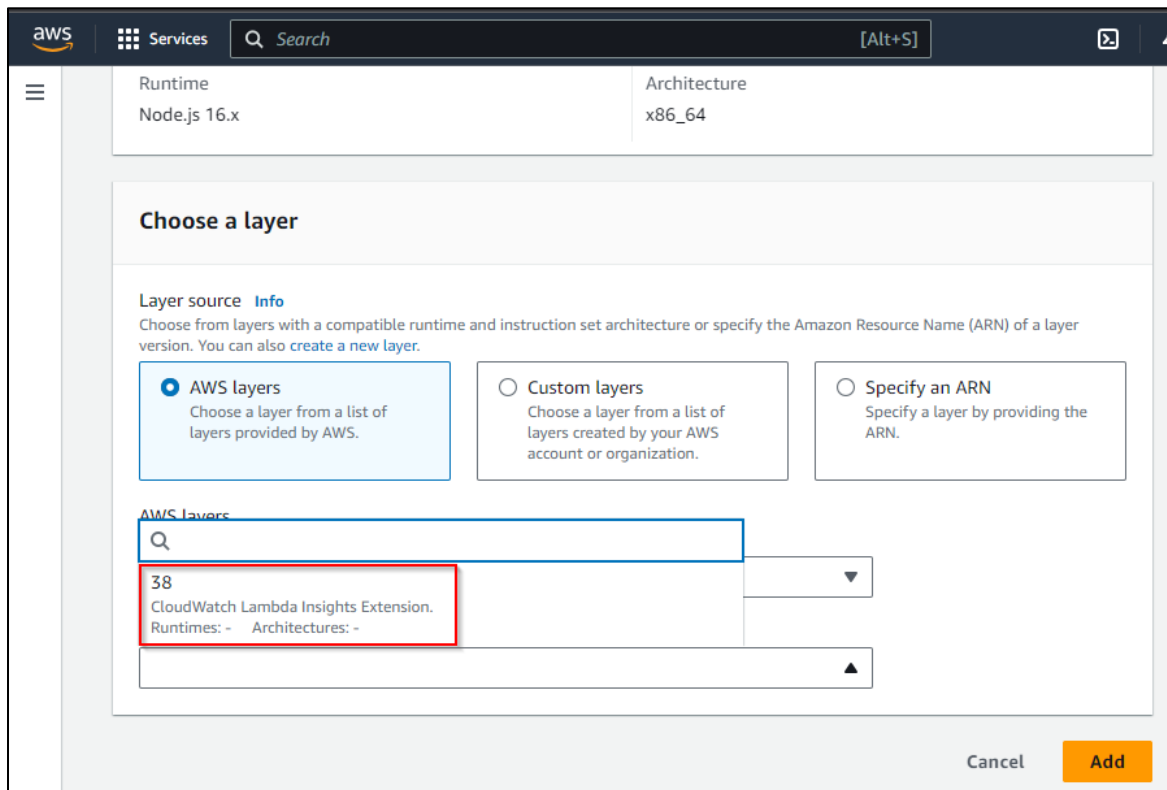


2.2 In the **Choose a layer** section, fill in the following details:

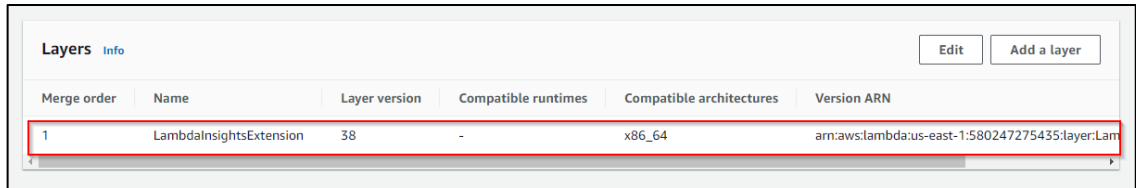
- Layer source: **AWS layers**
- AWS layers: **LambdaInsightsExtension**



2.3 Select **version 38** and click on the **Add** button



The lambda layer has been created successfully.



The screenshot shows the AWS Lambda Layers console. At the top, there's a header with 'Layers' and an 'Info' link. To the right are 'Edit' and 'Add a layer' buttons. Below is a table with columns: Merge order, Name, Layer version, Compatible runtimes, Compatible architectures, and Version ARN. A single row is visible, highlighted with a red border, representing the 'LambdalnsightsExtension' layer.

Merge order	Name	Layer version	Compatible runtimes	Compatible architectures	Version ARN
1	LambdalnsightsExtension	38	-	x86_64	arn:aws:lambda:us-east-1:580247275435:layer:Lam

By following these steps, a Lambda Layer will be successfully created and associated with the Lambda function.