COURSEWARE

AWS Lambda Functions

Contents

Overview

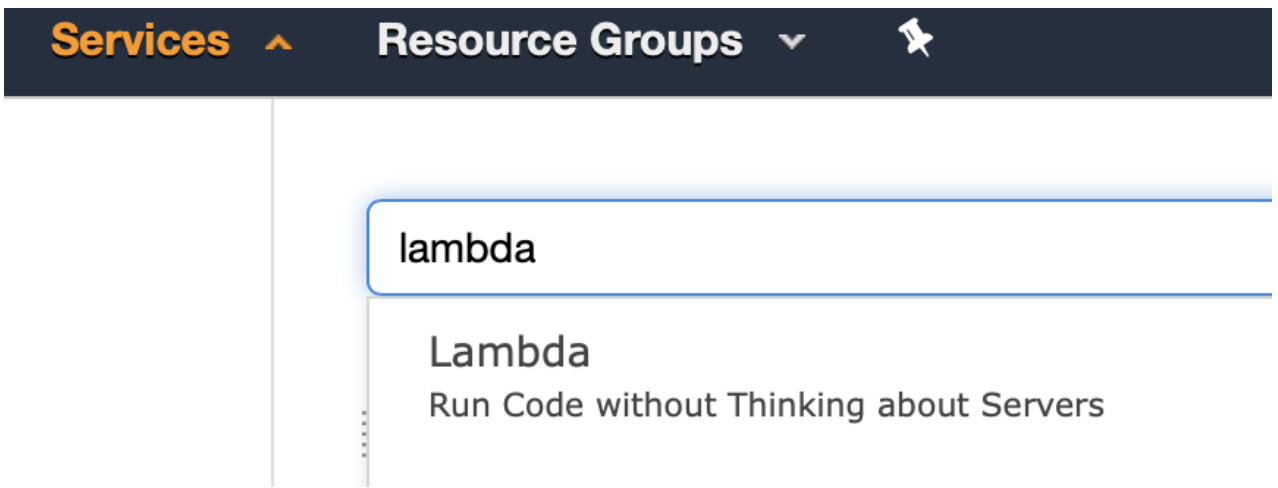
AWS Lambda is a compute service that lets you run code without provising or managing servers. AWS Lambda only executes code when needed and scales automatically.
You only pay for the time that consumed computing power.
This means that AWS Lambda is serverless and can be used to construct a serverless architecture comprised of triggers from AWS Codepipeline and invoking Lambda functions.

In this tutorial, we will go through developing a simple AWS Lambda function and adding a trigger that will invoke the Lambda function.

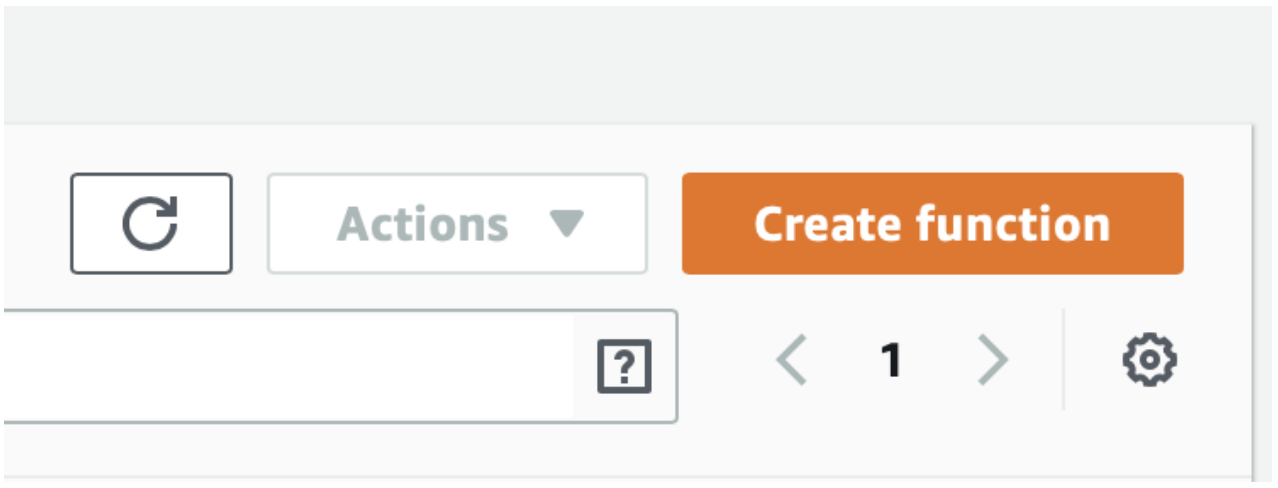
Tutorial

1. Navigate to the AWS Console and sign in here

2. Search for **Lambda** under the services drop-down menue

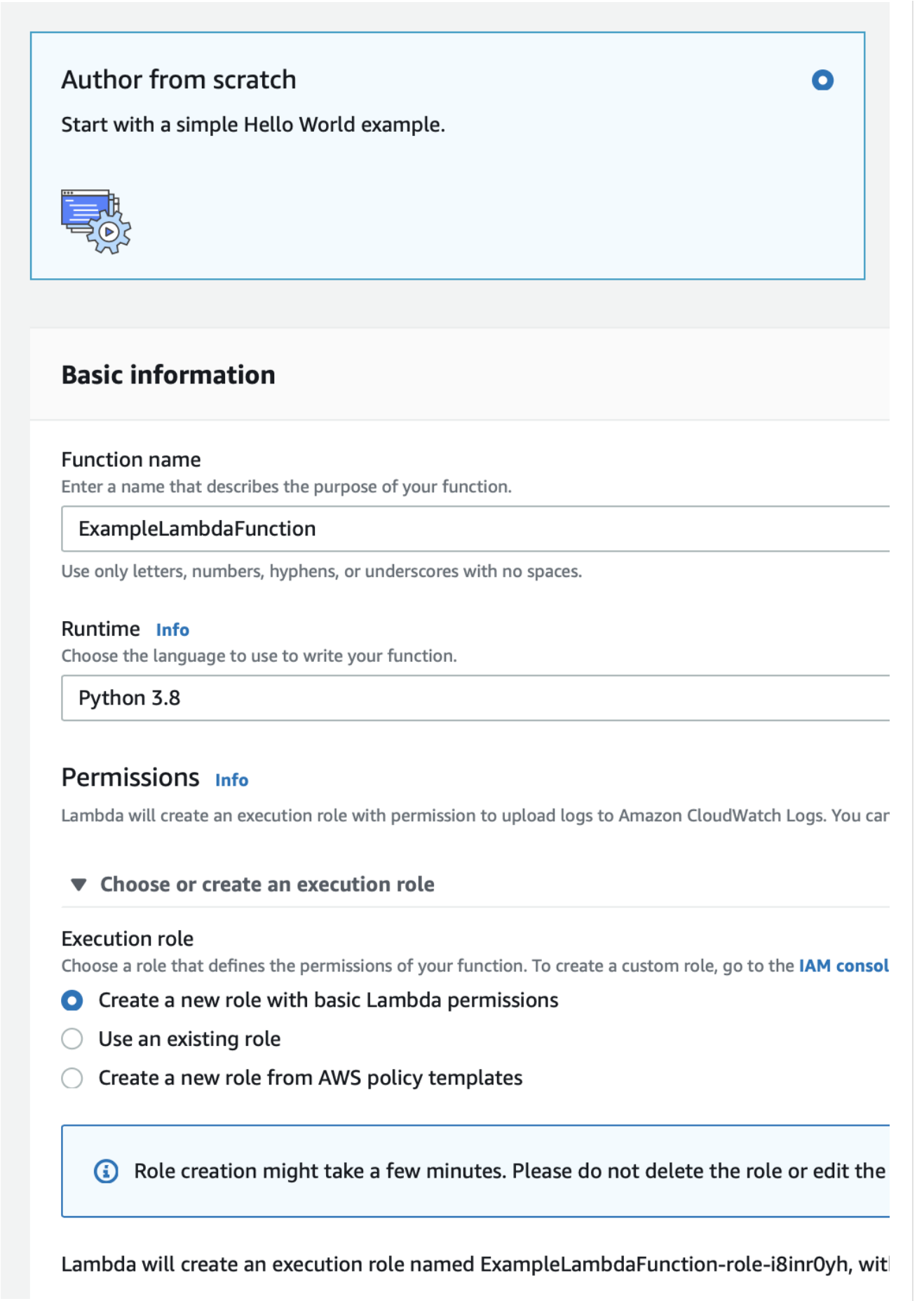


3. This next window, you will need to click the **Create function** button



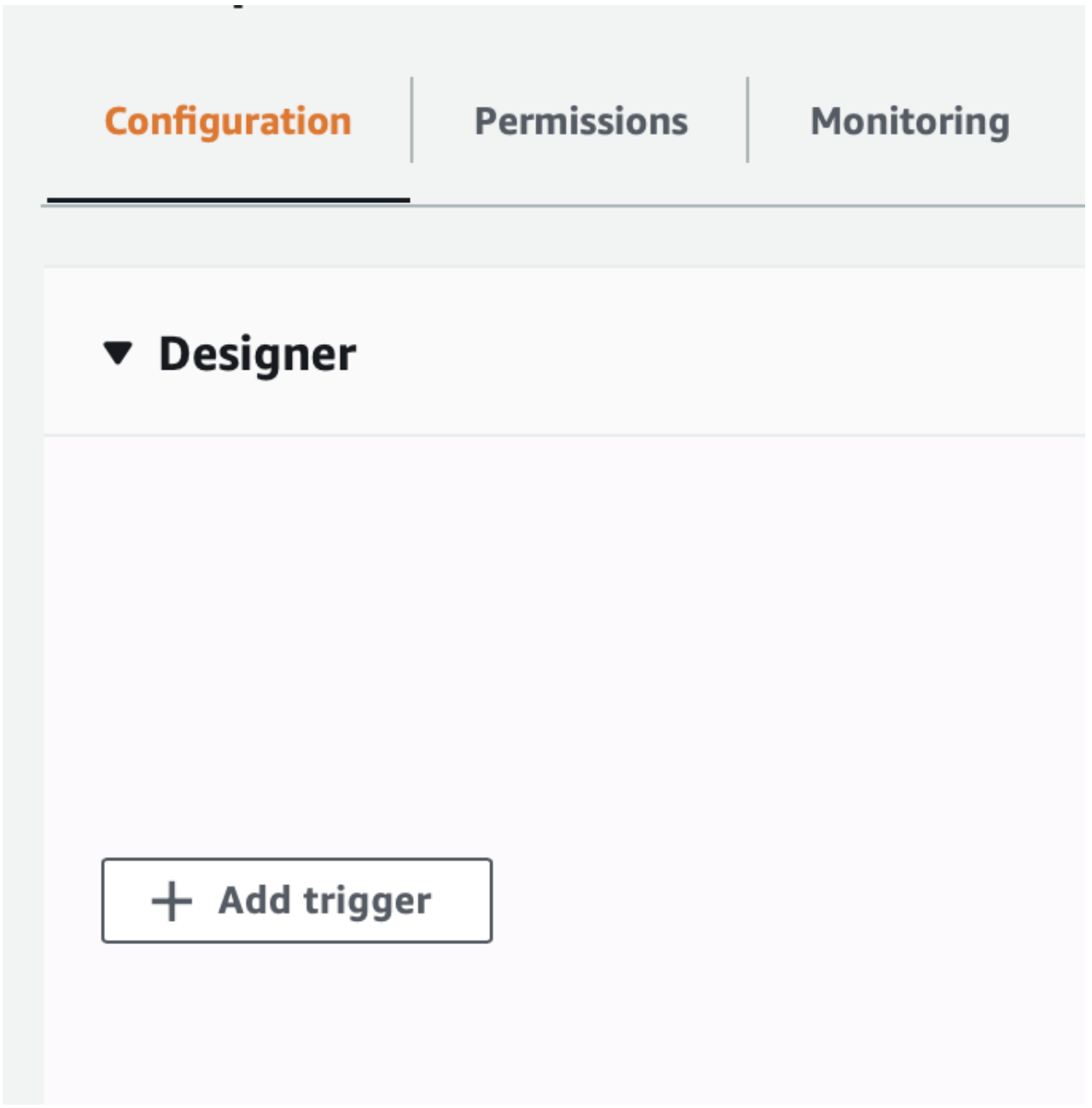
4. You will then be presented with options on how you would like to create your Lambda function.
   1. Check **Author from scratch**
   2. Function name, choose your own function name, here it will be, **ExampleLambdaFunction**
   3. Runtime, you have a large selection, but we will be making a python function, select **Python 3.8**

The rest can be left as default.



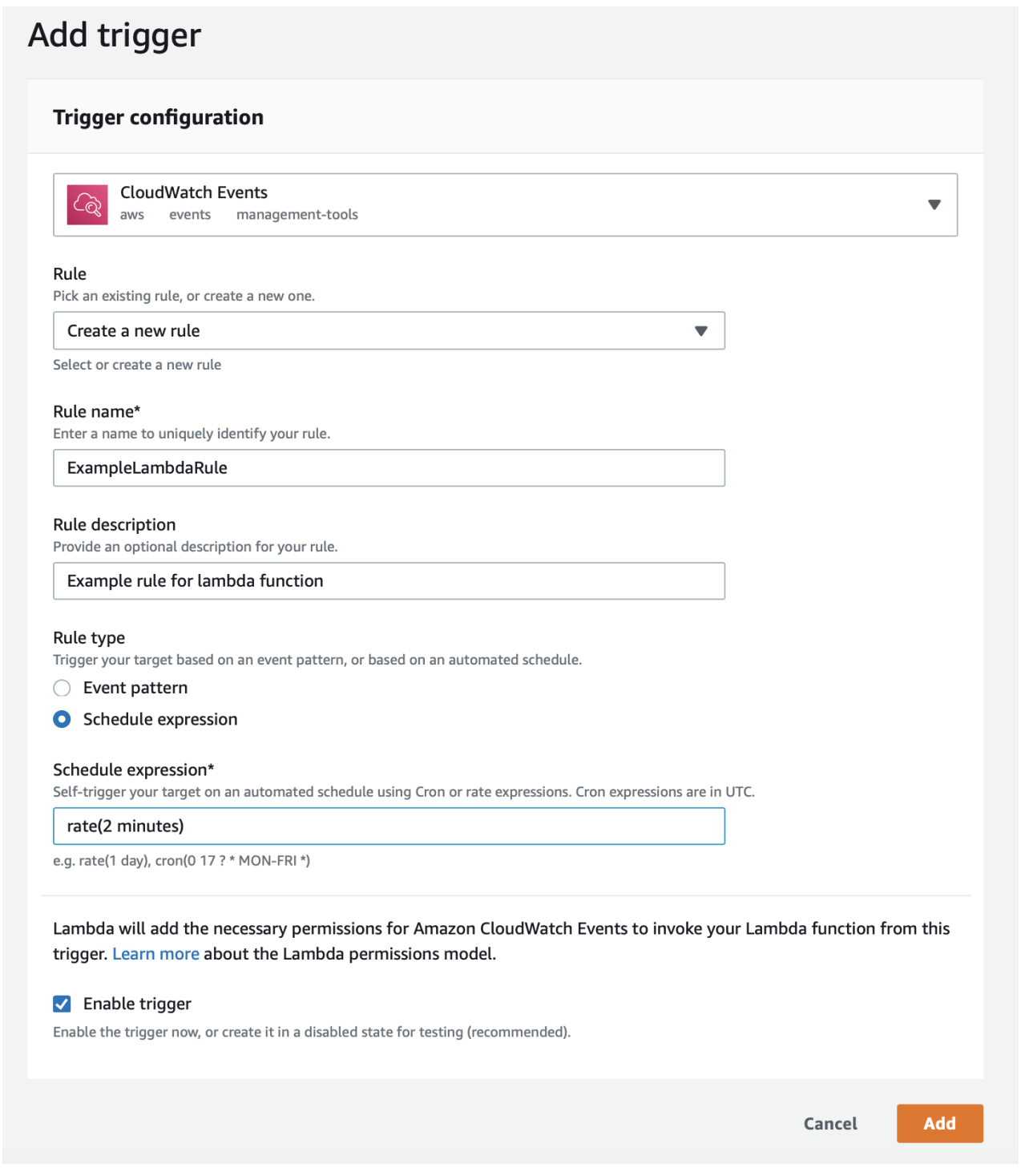
5. Proceed by clicking **Create function**

6. This next window, we will be focusing on the **Designer** section.
   First we are going to need to add a trigger that will invoke our **Lambda Function**.
   Click on **+ Add Trigger** under the **Designer** section

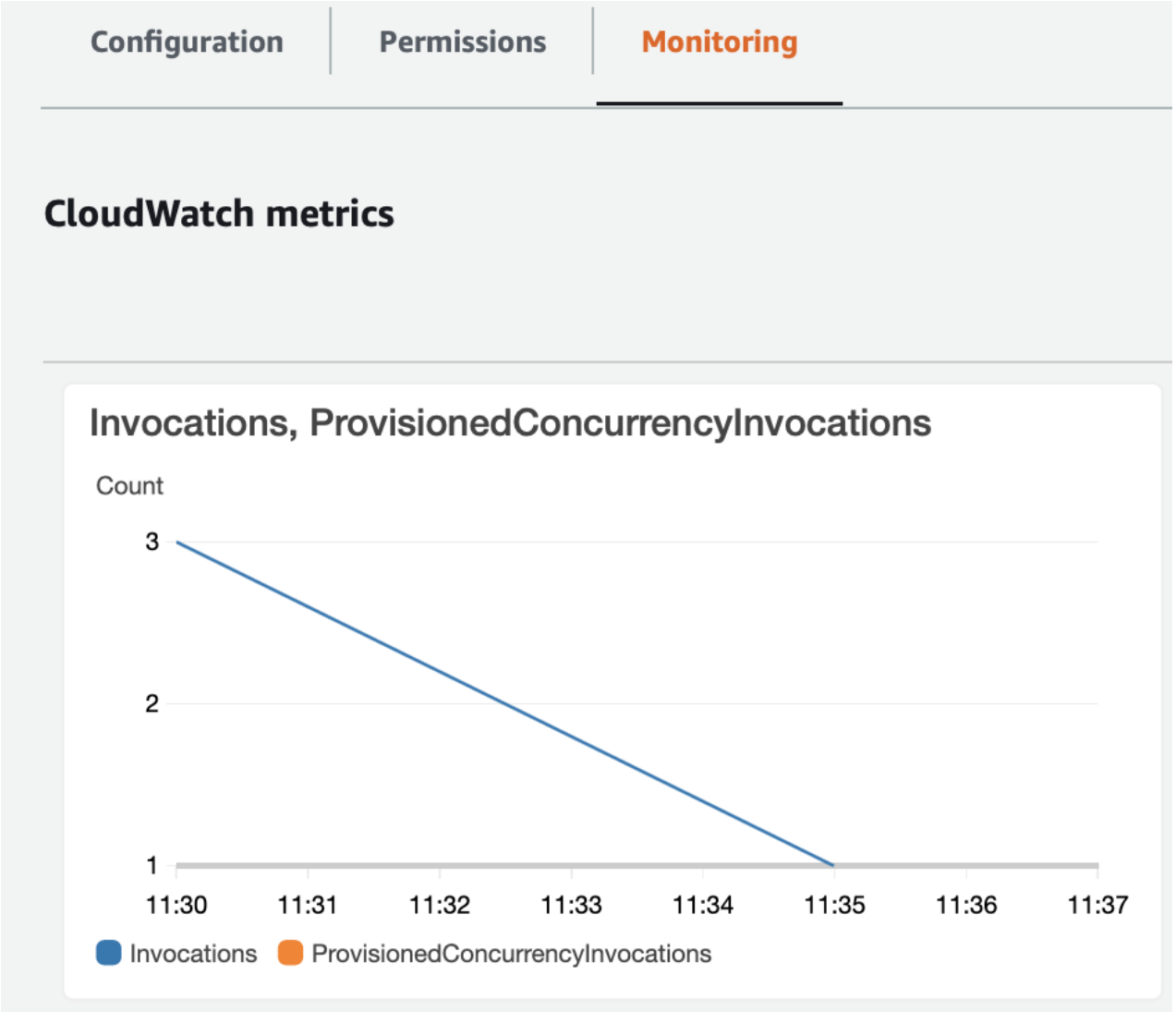


7. You will be presented with a drop-down menu which have a lot of methods of invoking a Lambda function. Select **CloudWatch Events**, then an option for **Rule** will appear. Select **Create a new rule**.

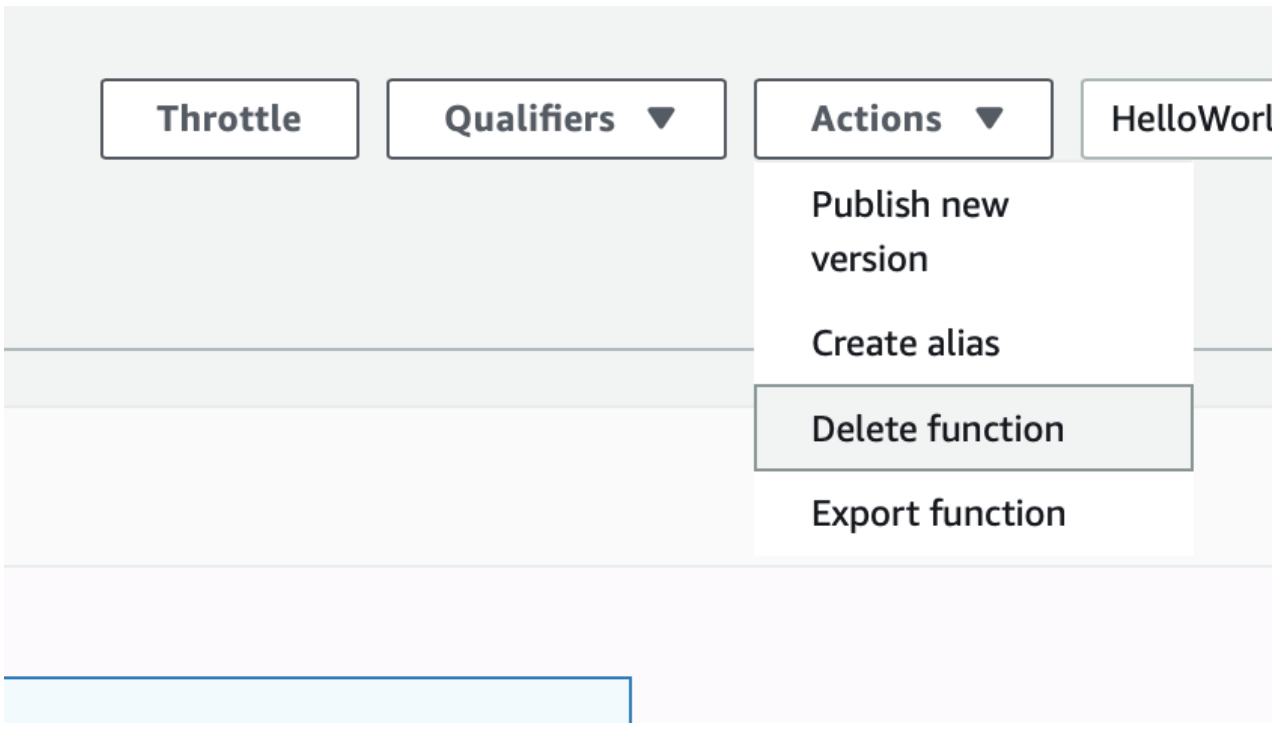
8. Fill in the details as follows:



9. Proceed to **Add** this trigger
10. Now, if you navigate to the **Monitoring** and wait a few minutes, you will be able to see the number of invocations made.



11. Delete the function, so you are not running this constantly every 2 minutes, as this could potentially charge you without you knowing. Navigate to **Actions** and then **Delete function**



Exercises

There are no exercises for this module.