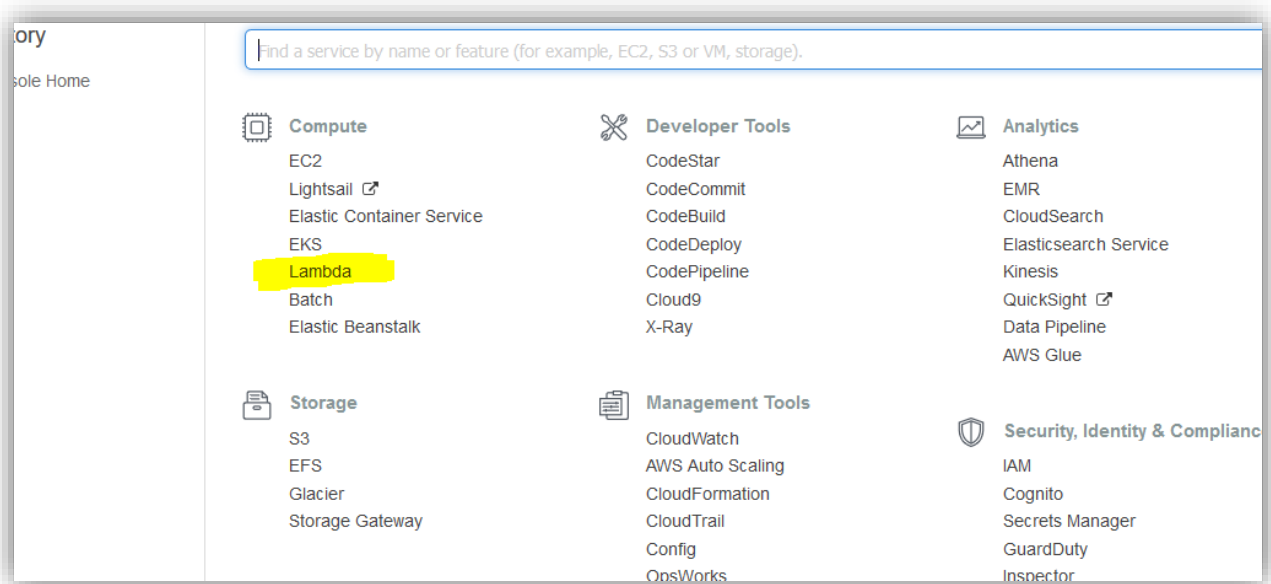


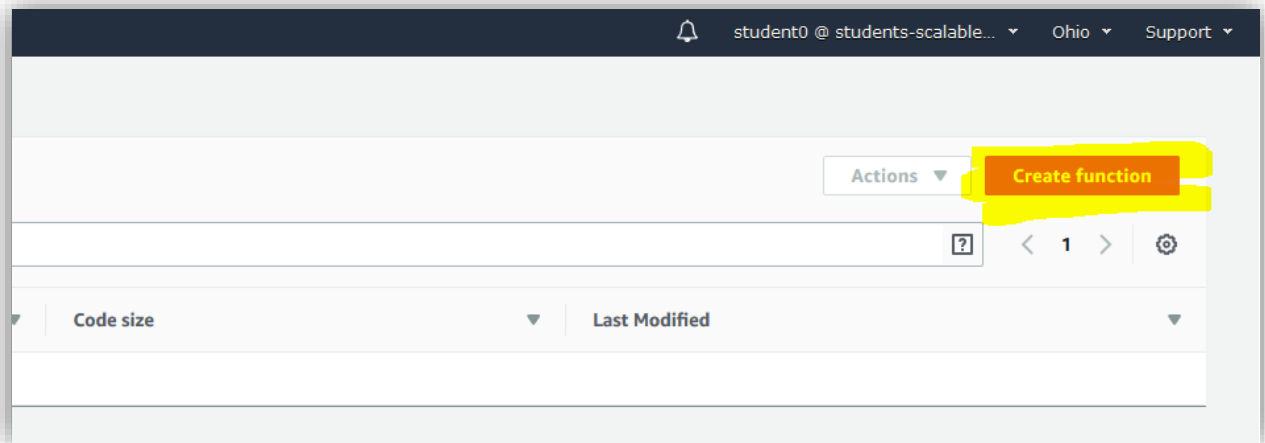
# Lab 1: Building your first Lambda function

Log into the AWS console at <https://students-scalable-af.signin.aws.amazon.com/console>

Click on the Services drop down in the top left and select or search for “Lambda”:



Create a new function:



Name the function with your student#, use Nodejs 6.10, select an existing role "lambdaSizingFunctionRole":

Lambda > Functions > Create function

## Create function

**Author from scratch** ☒  
Start with a simple "hello world" example.

**Blueprints** ☐  
Choose a preconfigured template as a starting point for your Lambda function.

**Serverless Application Repository** ☐  
Find and deploy serverless apps published by developers, companies, and partners on AWS.

**Author from scratch** [Info](#)

**Name**

**Runtime**

Node.js 6.10 ▼

**Role**  
Defines the permissions of your function. Note that new roles may not be available for a few minutes after creation. [Learn more](#) about Lambda execution roles.

Choose an existing role ▼

**Existing role**  
You may use an existing role with this function. Note that the role must be assumable by Lambda and must have Cloudwatch Logs permissions.

service-role/lambdaSizingFunctionRole ▼

[Cancel](#) [Create function](#)

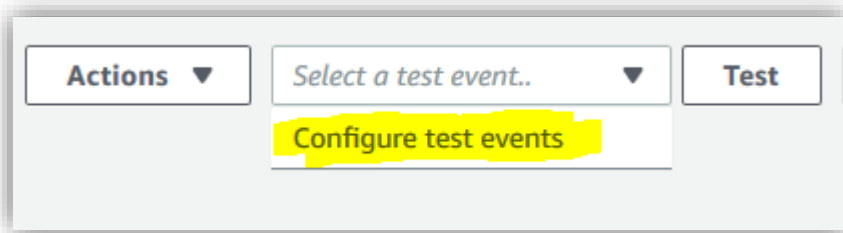
Once the function is created you should see a message letting you know it has been created. It may take a moment, once created feel free to dismiss the confirmation message.

student0

[Throttle](#) [Qualifiers ▼](#) [Actions ▼](#) [Select a test event.. ▼](#) [Test](#) [Save](#)

✔ Congratulations! Your Lambda function "student0" has been successfully created. You can now change its code and configuration. Click on the "Test" button to input a test event when you are ready to test your function. ✕

We can now create test data that will be directly injected in to our function in order to test that it is configured and has proper permissions to run. At the top, select the test event drop down and configure a test event:



The image shows a UI control with three main components: a button labeled "Actions" with a downward arrow, a dropdown menu with the text "Select a test event.." and a downward arrow, and a button labeled "Test". The dropdown menu is open, and the option "Configure test events" is highlighted in yellow.

Actions ▼	Select a test event.. ▼	Test
	Configure test events	

Name the event student#HelloWorld and save it:

### Configure test event

A function can have up to 10 test events. The events are persisted so you can switch to another computer or web browser and test your function with the same events.

☒ Create new test event  
☐ Edit saved test events

Event template

Hello World

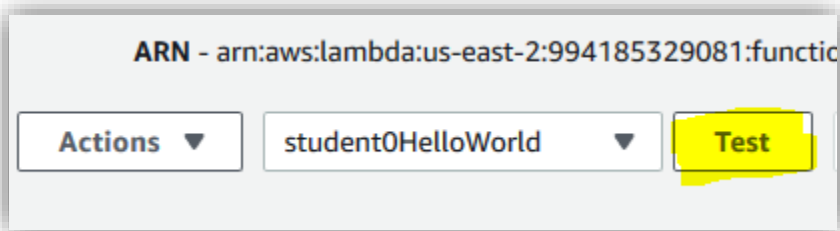
Event name

student0HelloWorld

```
1 {  
2   "key3": "value3",  
3   "key2": "value2",  
4   "key1": "value1"  
5 }
```

Cancel Create

You should now be able to test the event:



If everything went correctly you will see the following hello world information from your first Lambda function:

