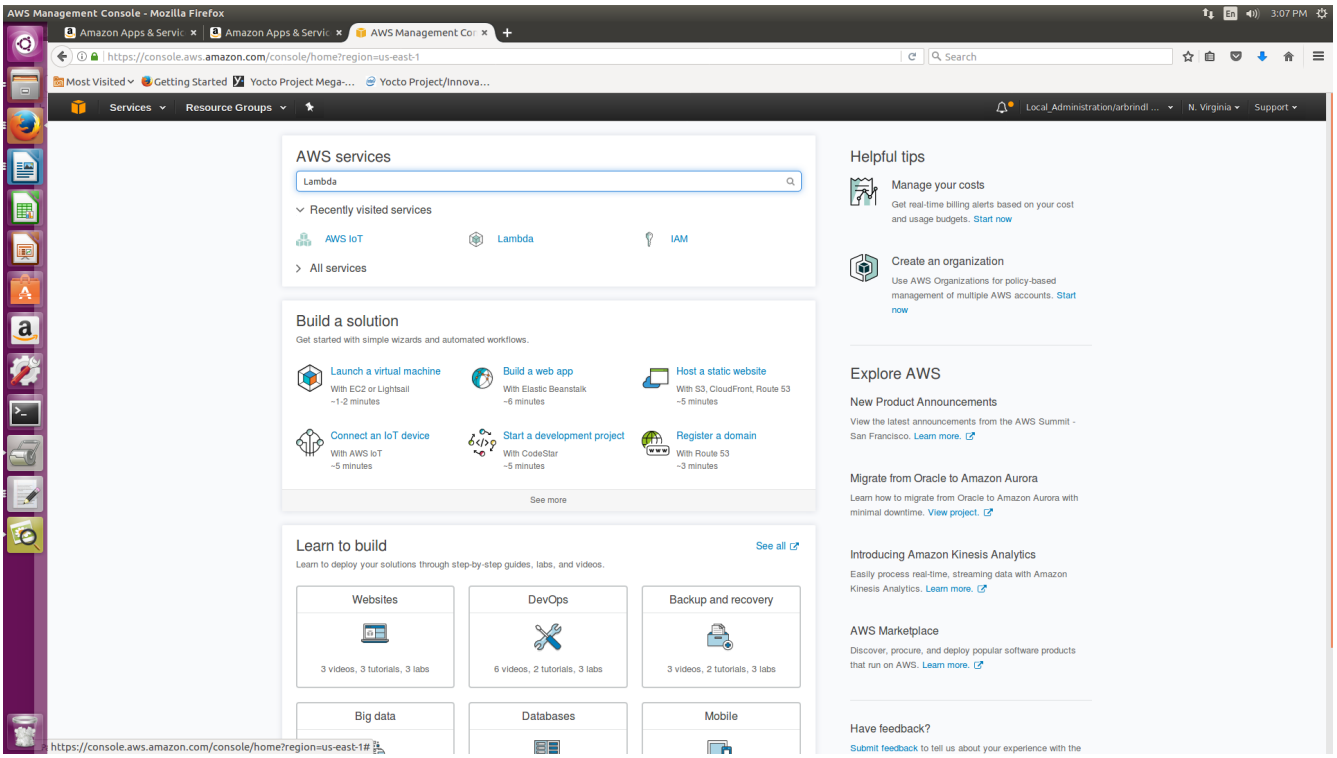
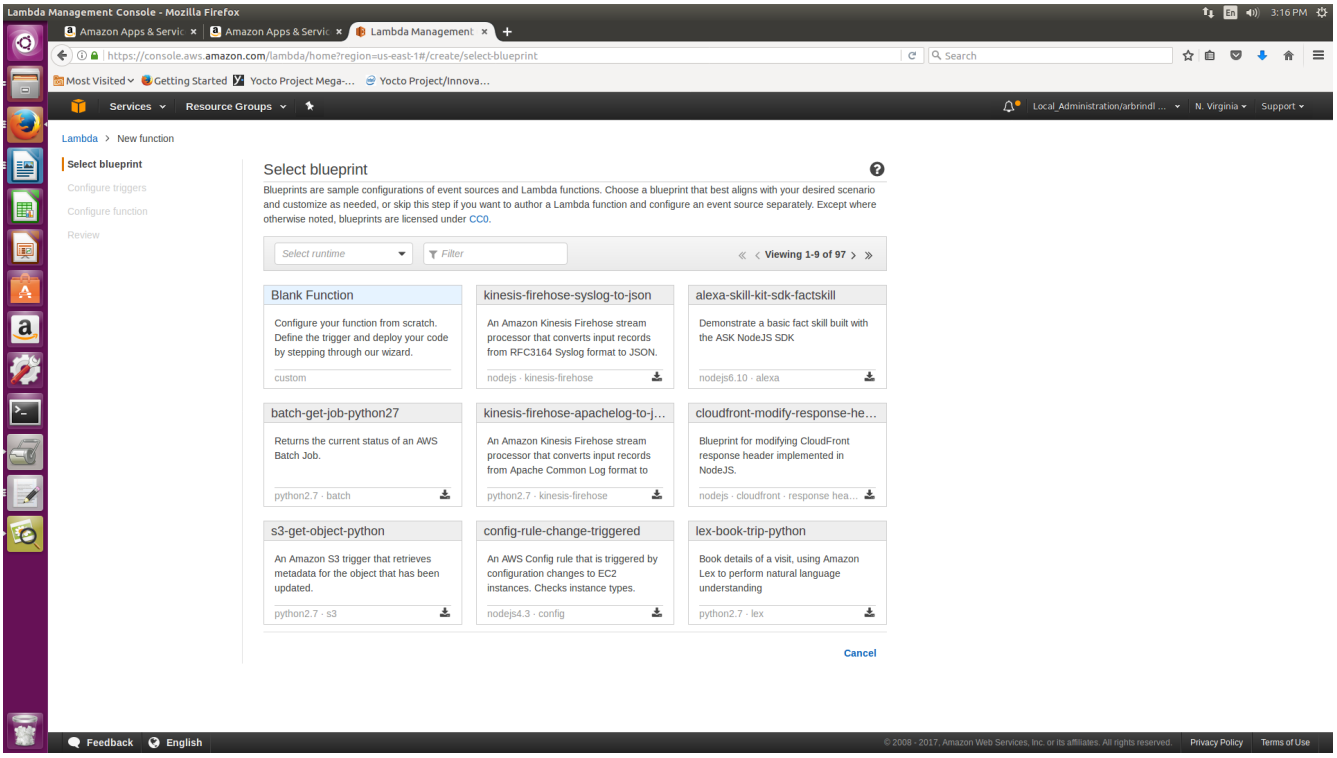
2. How to Create Lambda Function

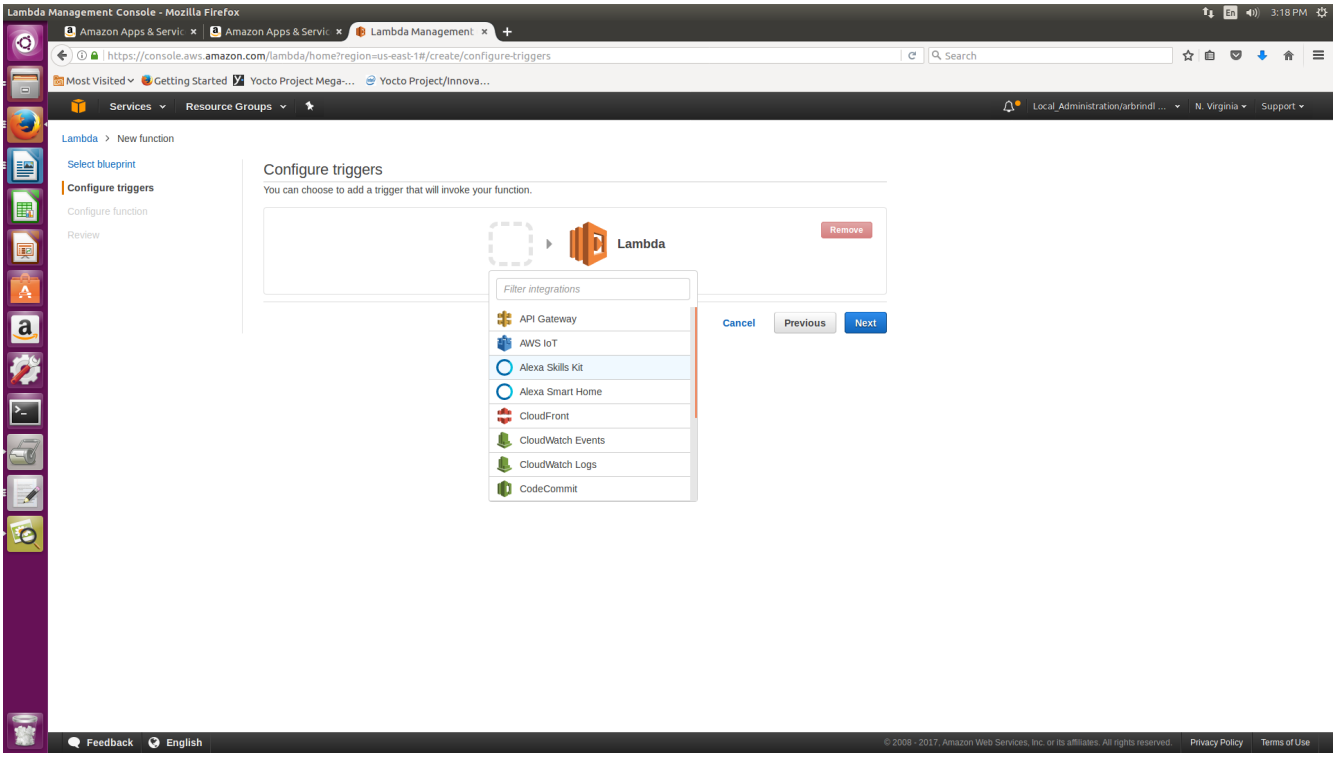
On the Amazon Web Services homepage, search for Lambda:



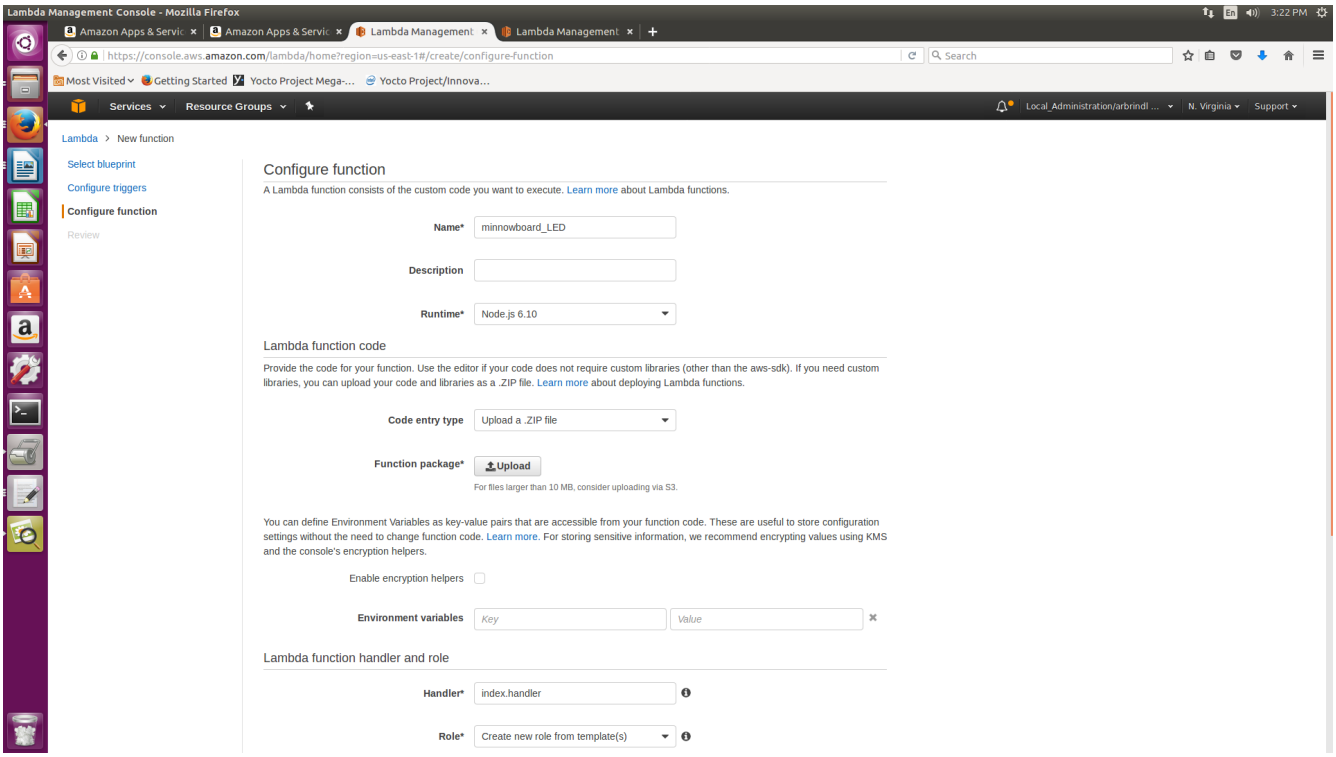
If you've never created a lambda function before, click **Get Started Now.** Otherwise, click **Create Lambda function**.



You'll be asked to Select blueprint. Choose Blank Function.

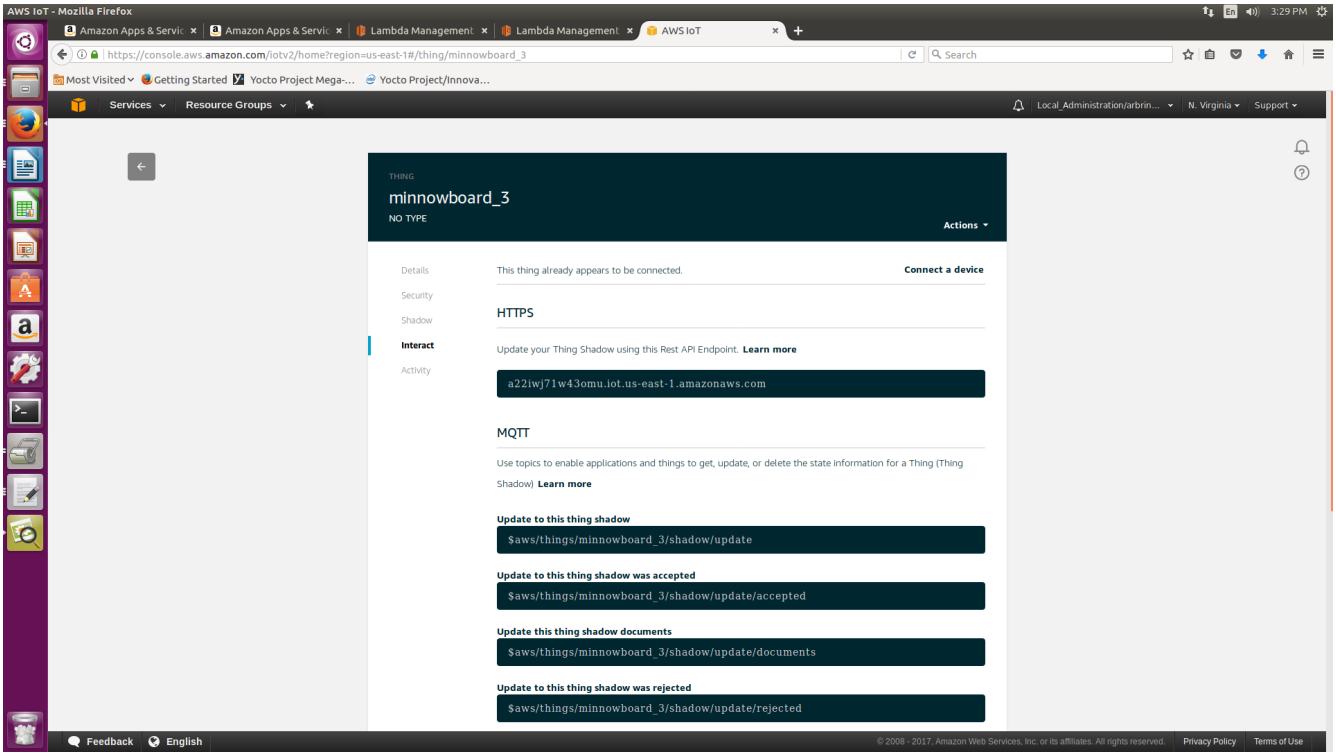


Choose **Alexa Skills Kit** to trigger the function. Then click **Next.**



Give your lambda function a name, and for Code entry type, select **Upload a .ZIP file**.

In index.js, which is located in meta-alexa-demo/meta-alexa-led/recipes-demo/alexa-led/files, change the end point to the endpoint found under your Thing's interact tab; the endpoint will end with amazonaws.com.



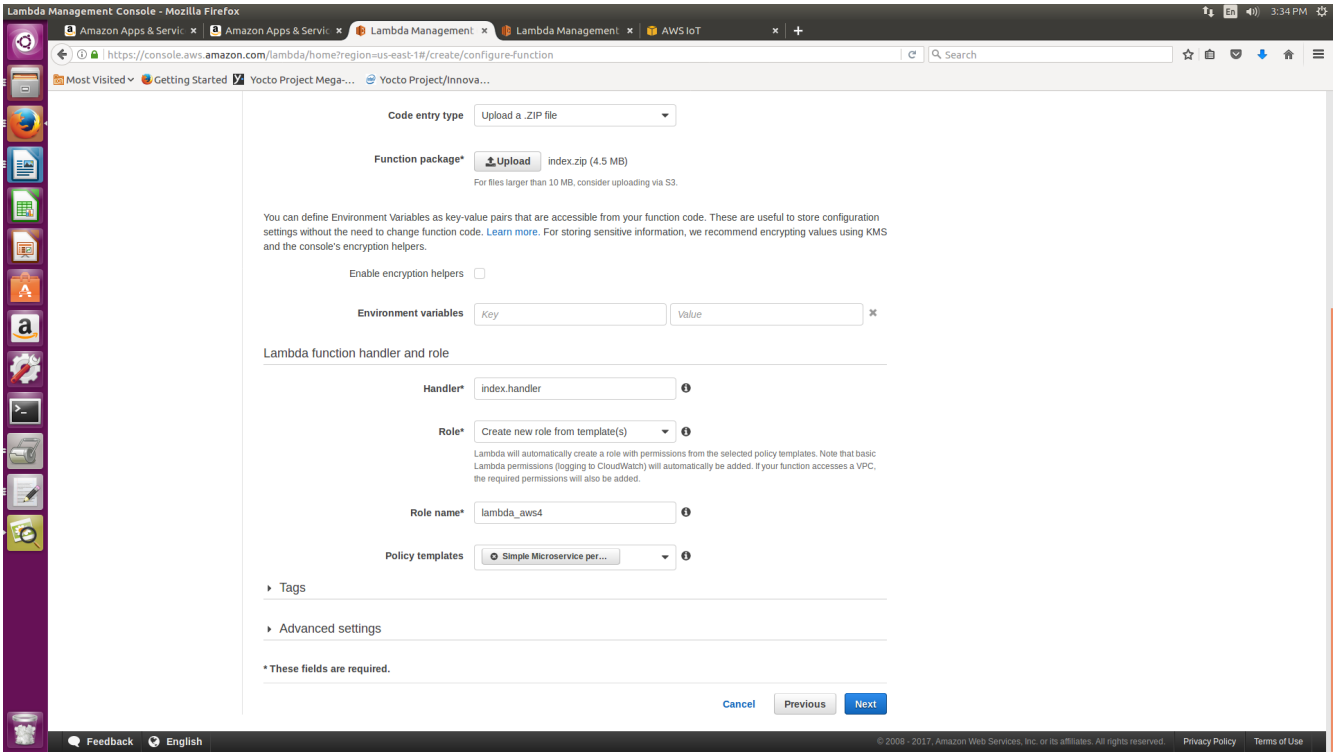
Also specify the correct region. Also, specify your Thing's name in the code where it says thingName.

Save your changes.

Run npm install aws-sdk alexa-sdk in order to create a node_modules folder.

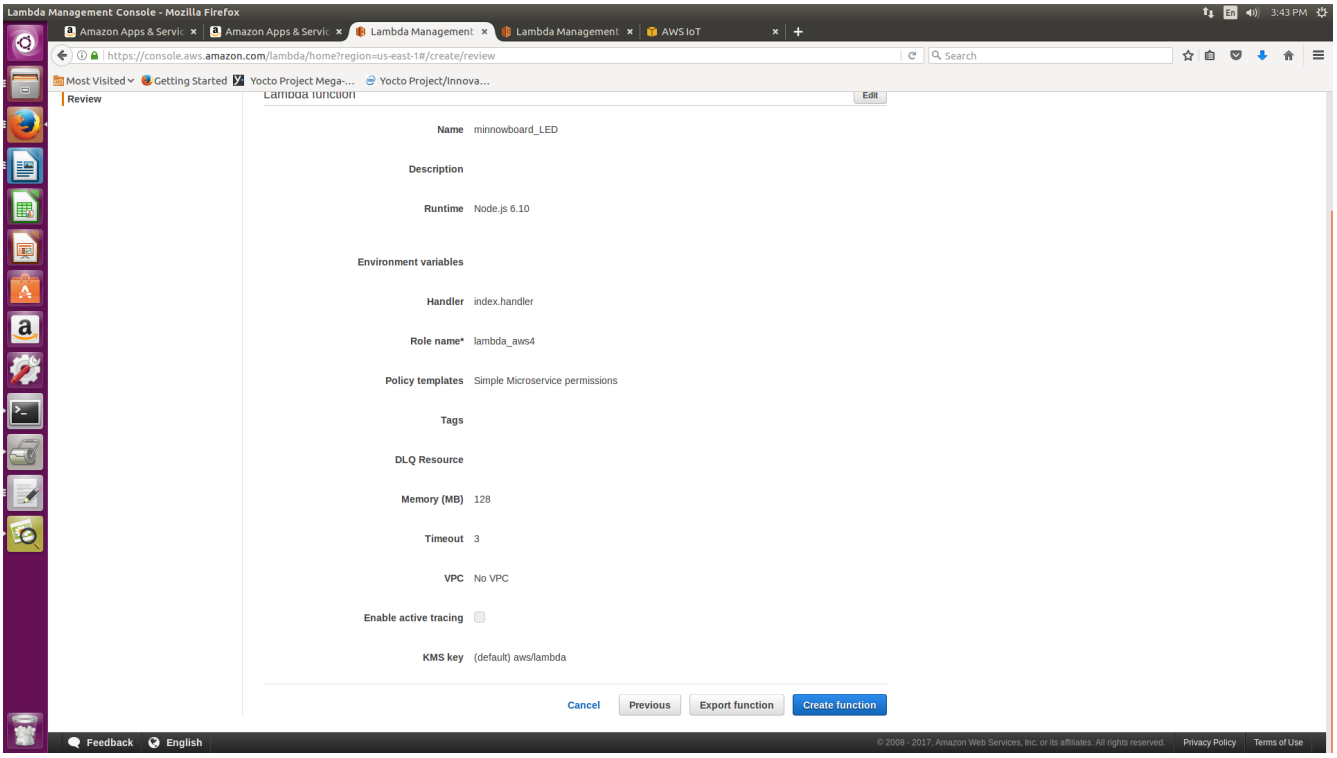
Create a zip file with index.js and node_modules. Upload that zip file.

Then, edit the Lambda function handler and role:



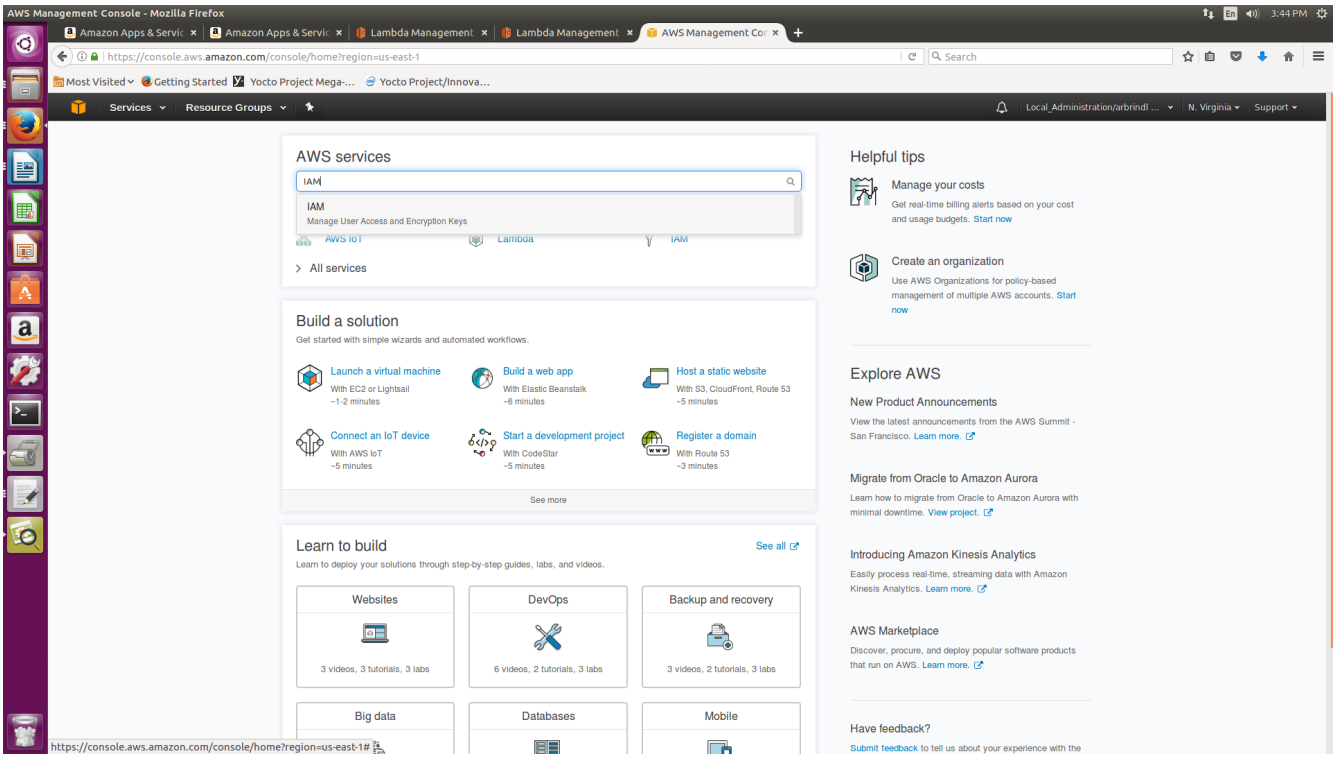
Handler: index.handler
Role: Create new role from template(s)
Role name: <role_name>
Policy templates: Simple Microservice permissions

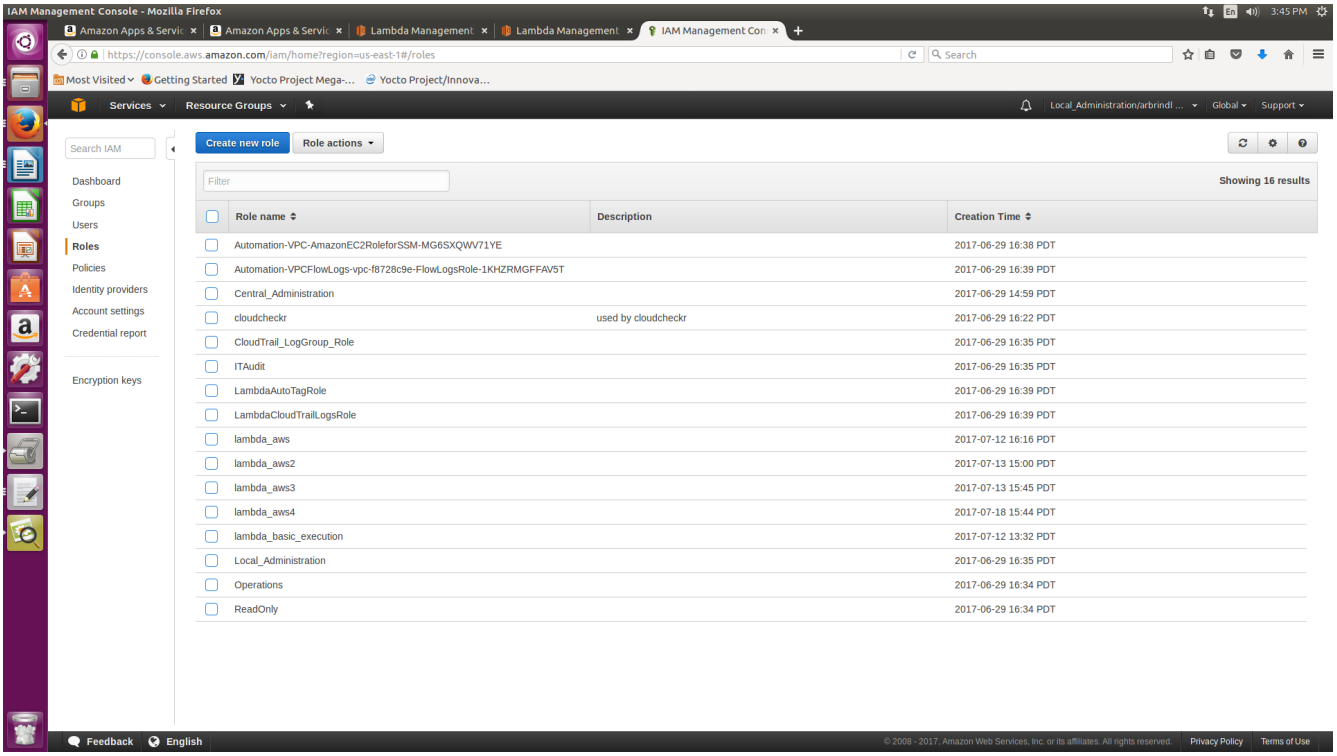
Click **Next**.



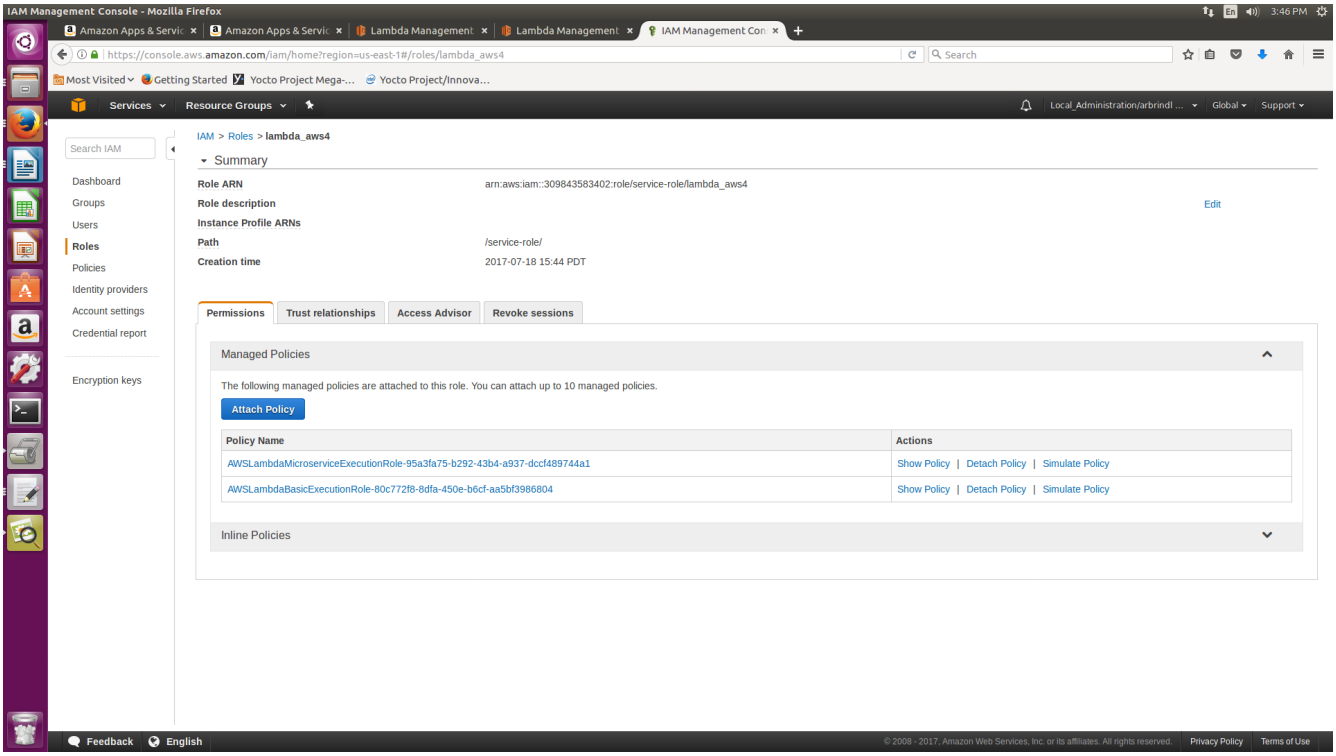
Click **Create function**.

Go back to the AWS homepage, and search for IAM.

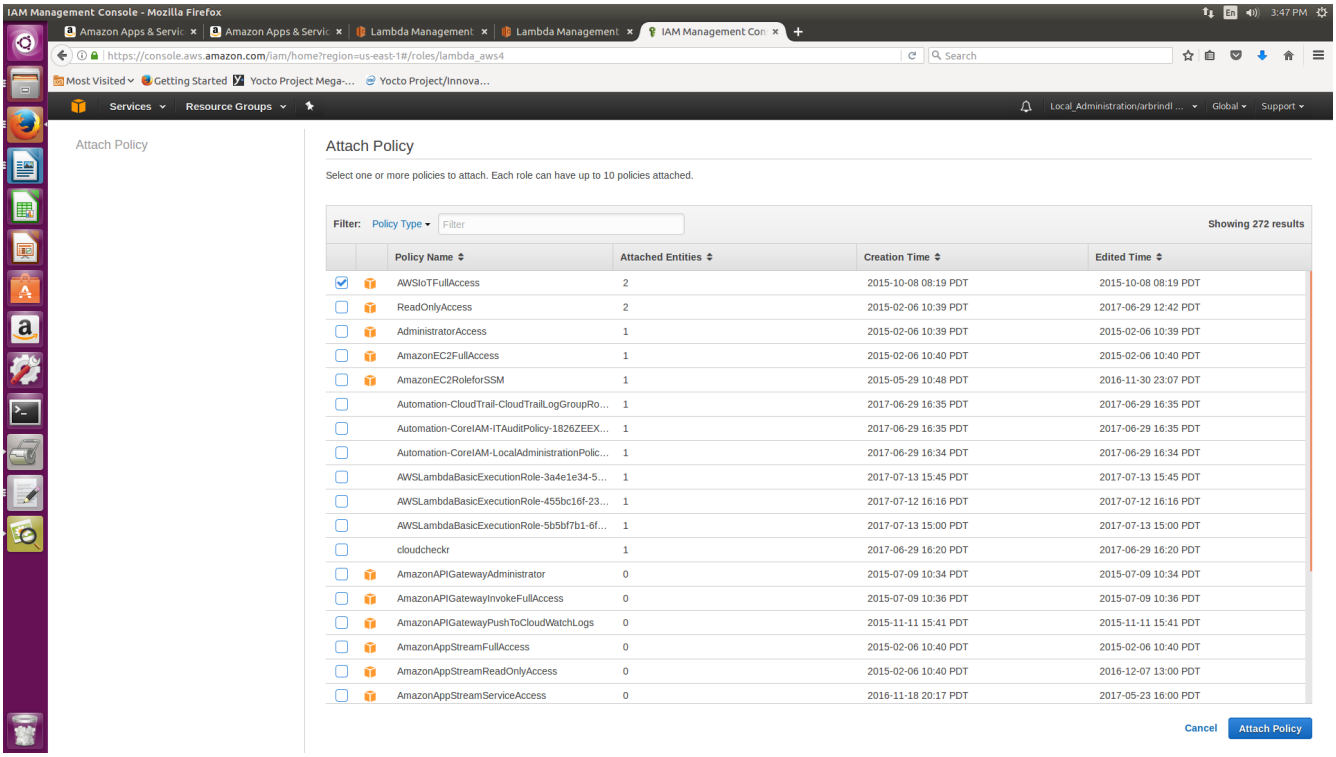




Click **Roles** on the sidebar. Then, click on the name of the role that you just created.



Click **Attach Policy**.



Add the policy **AWSIoTFullAccess**. Then click **Attach Policy**. This will ensure that your lambda function can send and receive messages from Amazon Web Services Internet of Things.