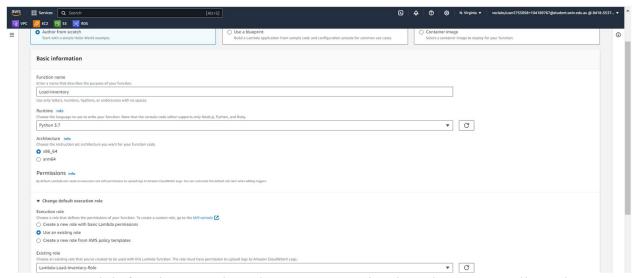
Module 13 Guided Lab - Implementing a Serverless Architecture with AWS Lambda

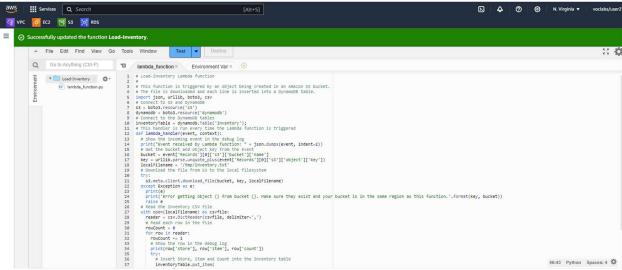
Name: Pham Do Tien Phong

Student ID: 104189767

Task 1: Creating a Lambda function to load data

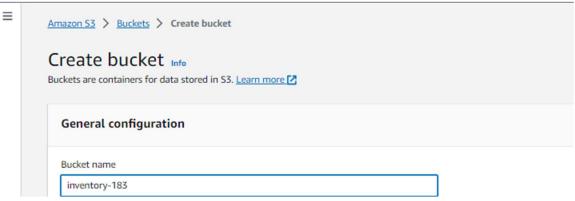


I create a Lambda function named Load-Inventory , runtime is Python 3.7 as well as using existing role (Lambda-Load-Inventory-Role)

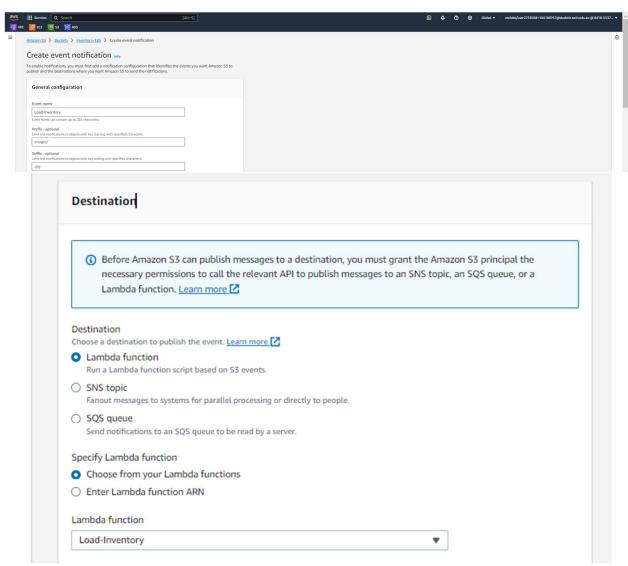


Deploy the code provided

Task 2: Configuring an Amazon S3 event

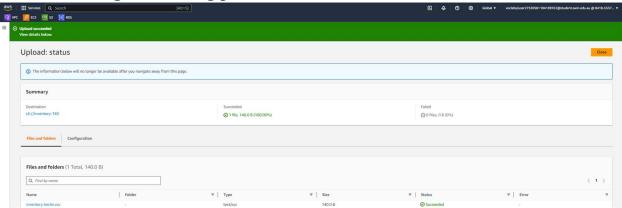


Creating a bucket has name as inventory-183

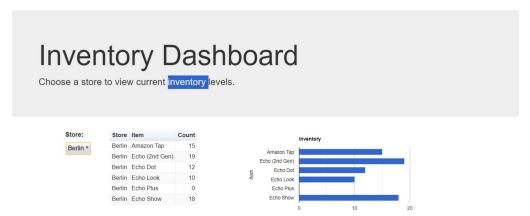


I create event notification.

Task 3: Testing the loading process

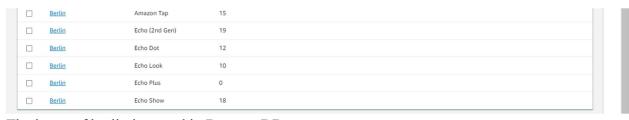


I upload the files inventory-berlin.csv



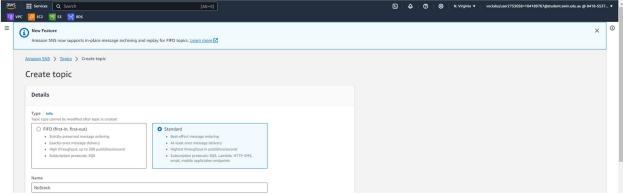
This page uses an Amazon Cognito identity to retrieve data directly from Amazon DynamoDB.

And I can access to inventory Dashboard

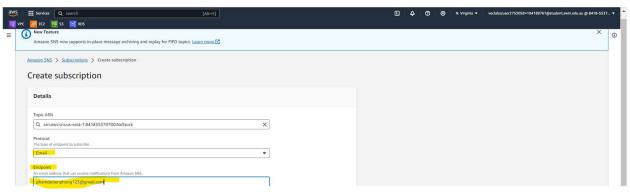


The items of berlin is stored in DynamoDB

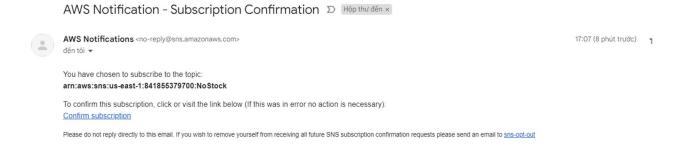
Task 4: Configuring notifications



I create topic with the Standard type and NoStock name.

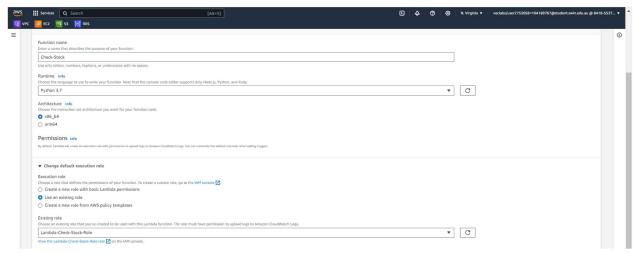


The next step is that I create subscription with Protocol: Email and endpoint is my Gmail (phamdotienphong 123@gmail.com)



I receive confirmation email

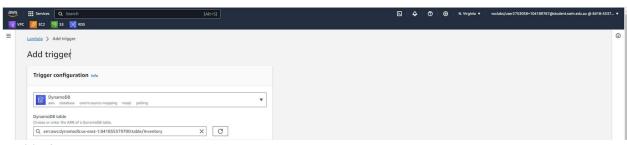
Task 5: Creating a Lambda function to send notifications



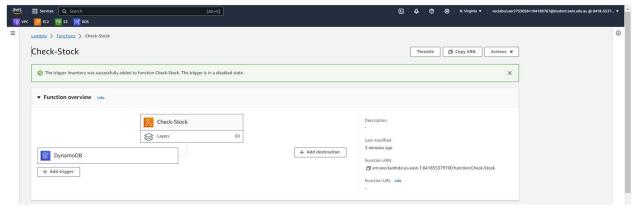
I create Lambda function to send notifications with name : Check-stock , runtime : Python 3.7, existing Role : Lambda-Check-Stock-Role



Deploying the code source

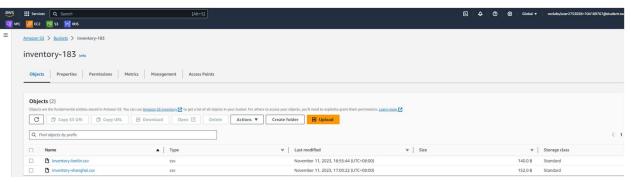


I add trigger.

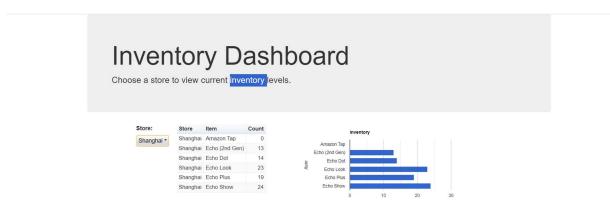


This is my function overview

Task 6: Testing the System



I test to upload inventory-shanghai.csv



I can access it through web application