

These are my pictures for Wk9: ACA Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

The screenshot shows the AWS Management Console with the EC2 Management Console tab selected. A new security group named "LambdaSG" is being created. The VPC dropdown shows "vpc-08800b199b62c58e2". The inbound rules section is empty. The outbound rules section shows a single rule for "All traffic" on "All" ports, with the source type set to "Custom" and the source value set to "sg-0a85b2c75233d86c1". The challenge assignment page is visible on the right, detailing steps for creating a Lambda function and updating security groups.

The screenshot shows the AWS Management Console with the EC2 Management Console tab selected. An inbound rule is being modified for security group "sg-061a32eb9e1c10a05 - DB-SG". Two rules are listed: one for port 3306 (MySQL/Aurora) and another for port 3306 (MySQL/Aurora). Both rules have "Custom" as the source type and "sg-0a85b2c75233d86c1" as the source. The challenge assignment page on the right continues with steps for creating a Lambda function and updating security groups.

The screenshot shows a dual-monitor setup. The left monitor displays the AWS Lambda console interface for creating a new function. The right monitor displays the AWS Academy challenge lab for Module 13, titled "Implementing a Serverless Architecture for the Cafe".

AWS Lambda Function Creation (Left Monitor):

- Function name:** salesAnalysisReportDataExtractor
- Runtime:** Python 3.8
- Architecture:** x86_64
- Permissions:** Create a new role with basic Lambda permissions (selected)
- Execution role:** salesAnalysisReportDERole

AWS Academy Challenge Lab (Right Monitor):

- Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe**
- Task:** Create a Lambda function with the following settings:
 - Function name:** salesAnalysisReportDataExtractor
 - Runtime:** Python 3.8
 - Role:** salesAnalysisReportDERole
 - VPC:** Lab VPC
 - Subnets:** Private subnet 1 and Private subnet 2

The screenshot displays two browser windows side-by-side. The left window shows the AWS Lambda console with the configuration for a function named 'voclabs/user2553392-104177513@student.swin.edu.au'. It includes sections for 'VPC' (with a checked 'Enable VPC' option), 'Subnets' (listing 'Private Subnet 1' and 'Private Subnet 2'), and 'Security groups' (listing 'LambdaSG'). The right window shows the 'Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe' on the AWS Academy platform. The challenge details include a due date of 'No Due Date', 100 points, and a status of 'Submitting an external tool'. The 'Actions' dropdown is open, showing options like 'Submit', 'Details', 'AWS', 'Start Lab', 'End Lab', '2:42', 'Instructions', and 'Grades'. A file named 'EN_US' is attached.

The screenshot displays two browser windows side-by-side. The left window is the AWS Lambda console showing a successful function creation for 'salesAnalysisReportDataExtractor'. The right window is the AWS Academy 'Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe' assignment page.

AWS Lambda Function Overview:

- Name:** salesAnalysisReportDataExtractor
- Description:** -
- Last modified:** 6 minutes ago
- Function ARN:** arn:aws:lambda:us-east-1:24395697179:function:salesAnalysisReportDataExtractor
- Function URL:** -

AWS Academy Assignment Page:

- Title:** Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe
- Due Date:** No Due Date
- Points:** 100
- Submitting:** an external tool
- Actions:** Submit, Details, AWS, Start Lab, End Lab, 2:36, Instructions, Grades
- Files:** EN_US, README, Terminal, Source
- Task List:**
 - Create a security group for the Lambda function with the following settings:
 - Security group name: LambdaSG
 - VPC: Lab VPC
 - Outbound Rules: All traffic to all addresses
 - Update the DatabaseSG security group.
 - Add a second inbound rule. For the new rule, configure the Type as MySQL/Aurora. Then, in the search box to the right of Custom, type choose your new Lambda function security group as the source. Fix Save rules.
 - Create a Lambda function with the following settings:
 - Function name: salesAnalysisReportDataExtractor
 - Runtime: Python 3.8
 - Role: salesAnalysisReportERole
 - VPC
 - VPC: Lab VPC
 - Subnets: Private subnet 1 and Private subnet 2

The screenshot displays two browser windows side-by-side. The left window shows the AWS Lambda console for a function named 'salesAnalysisReportDataExtractor'. It has tabs for Code, Test, Monitor, Configuration, Aliases, and Versions. Under Configuration, there are sections for triggers and destinations, both currently empty. The right window shows the 'ACAv2EN...' course on the AWS Academy platform, specifically the 'Module 13 Challenge Lab - implementing a Serverless Architecture for the Cafe'. This challenge involves creating a Lambda function with specific security group and VPC configurations.

Wk9 ACA Module EC2 Management SalesAmazonReport Wk9 ACA Module

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/sales... Gmail YouTube Maps

aws Services Search [Alt+S] N. VI vclabs/user2553392/104177513@student.swin.edu.au

Successfully updated the function salesAnalysisReportDataExtractor.

+ Add trigger + Add destination

Function ARN arn:aws:lambda:us-east-1:2439:5695719function:salesAnalysisReportDataExtractor

Function URL Info

Code Test Monitor Configuration Aliases Versions

Code source Info

File Edit Find View Go Tools Window Test Deploy

Environment Variables

Environment Variables

To view your environment variables here for quick reference, use the keyboard shortcut: F3 for Mac, press 'Command-Shift-E' for Windows ('Ctrl-Shift-E') or choose Tools, Show Environment Variables.

Environment variables remain encrypted when listed in the console code editor. If you enabled encryption helpers for encryption in transit, then those settings remain unchanged. For more information, see <https://docs.aws.amazon.com/lambda/latest/dg/config-env-variables.html#config-env-variables-encryption>

This file is read-only and is only available on the Lambda console. This file is not included when you download the function's .zip file archive and you can't edit it directly. To make changes to environment variables, choose Configuration, then choose Environment variables.

CloudShell Feedback Language

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Module 13 Challenge Lab - implementing a Serverless Architecture for the Cafe

Home Modules Announcements Discussions Grades

Due No Due Date Points 100 Submitting an external tool

Submit Details AWS Start Lab End Lab 2/24 Instructions Grades

Actions

EN_US

9. Create a security group for the Lambda function with the following settings:

- Security group name: LambdaSG
- VPC Lab VPC
- Outbound Rules: All traffic to all addresses

10. Update the DatabaseSG security group.

- Add a second inbound rule. For the new rule, configure the Type as MySQL/Aurora. Then, in the search box to the right of Custom, type the new Lambda function security group as the source. Finally, Save rules.

11. Create a Lambda function with the following settings:

- Function name: salesAnalysisReportDataExtractor
- Runtime: Python 3.8
- Role: salesAnalysisReportDataRole
- VPC
 - VPC Lab VPC
 - Subnets: Private subnet 1 and Private subnet 2

Description - optional
Lambda function to extract data from database

Memory Info
Your function is allocated CPU proportional to the memory configured.
128 MB
Set memory to between 128 MB and 10240 MB.

Ephemeral storage Info
You can configure up to 10 GB of ephemeral storage (/tmp) for your function. [View pricing](#)
512 MB
Set ephemeral storage (/tmp) to between 512 MB and 10240 MB.

SnapStart Info
Reduce startup time by having Lambda cache a snapshot of your function after the function has initialized. To evaluate whether your function code is resilient to snapshot operations, review the [SnapStart compatibility considerations](#).
None
Supported runtimes: Java 11, Java 17.

Timeout
0 min 30 sec

Execution role
Choose a role that defines the permissions of your function. To create a custom role, go to the [IAM console](#).
 Use an existing role
 Create a new role from AWS policy templates

Existing role
Choose an existing role that you've created to be used with this Lambda function. The role must have permission to upload logs to Amazon CloudWatch Logs.
salesAnalysisReportDERole
View the [salesAnalysisReportDERole](#) role on the IAM console.

Cancel Save

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Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

ACAv2EN... > Assignments

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Due No Due Date Points 100 Submitting an external tool

Submit Details AWS Start Lab End Lab 2:22 Instructions Grades Actions

EN_US Files README Terminal Source

- o Runtime: Python 3.8
- o Role: salesAnalysisReportDERole
- o VPC:
 - VPC: Lab VPC
 - Subnets: Private subnet 1 and Private subnet 2
 - Security Group: The Lambda function security group that you created
 - Tip: It will take several minutes for the function to be created.

12. Configure the DataExtractor Lambda function as follows:

- o Code: Upload the [salesAnalysisReportDataExtractor.zip](#) file
- o Description: Lambda function to extract data from database
- o Handler: `salesAnalysisReportDataExtractor.lambda_handler`
- o Memory Size: 128 MB
- o Timeout (seconds): 30

13. Return to the browser tab with the multiple-choice questions for this lab, and answer the following question:

- o **Question 2** Why must the `salesAnalysisReportDataExtractor` be in a VPC?

Lambda > Functions > salesAnalysisReportDataExtractor > Edit runtime settings

Edit runtime settings

Runtime settings Info

Runtime
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.
Python 3.8

New runtime available
A new runtime is available for your function's language: Python 3.10

Handler Info
salesAnalysisReportDataExtractor.lambda_handler

Architecture Info
Choose the instruction set architecture you want for your function code.
 x86_64
 arm64

You can change either the function's runtime or the instruction set architecture in one update. To update both, you must repeat the update process.

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Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

ACAv2EN... > Assignments

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Due No Due Date Points 100 Submitting an external tool

Submit Details AWS Start Lab End Lab 2:21 Instructions Grades Actions

EN_US Files README Terminal Source

- o Runtime: Python 3.8
- o Role: salesAnalysisReportDERole
- o VPC:
 - VPC: Lab VPC
 - Subnets: Private subnet 1 and Private subnet 2
 - Security Group: The Lambda function security group that you created
 - Tip: It will take several minutes for the function to be created.

12. Configure the DataExtractor Lambda function as follows:

- o Code: Upload the [salesAnalysisReportDataExtractor.zip](#) file
- o Description: Lambda function to extract data from database
- o Handler: `salesAnalysisReportDataExtractor.lambda_handler`
- o Memory Size: 128 MB
- o Timeout (seconds): 30

13. Return to the browser tab with the multiple-choice questions for this lab, and answer the following question:

- o **Question 2** Why must the `salesAnalysisReportDataExtractor` be in a VPC?

The screenshot shows two windows side-by-side. On the left is the AWS Lambda console showing the creation of a new function named 'salesAnalysisReport'. It specifies a Python 3.8 runtime and x86_64 architecture. A role 'salesAnalysisReportRole' is selected. On the right is a challenge lab assignment titled 'Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe'. The task requires creating a second Lambda function with the same settings as the first.

This screenshot shows the AWS Lambda console with the 'salesAnalysisReport' function now successfully created. The configuration page displays the function ARN and URL. The challenge lab assignment page remains the same, instructing the user to create a second Lambda function with identical settings.

The screenshot shows the AWS Lambda console interface. On the left, a modal window displays the function details: "Successfully updated the function salesAnalysisReport". It shows a single layer named "salesAnalysisReport" and provides options to "Add trigger" or "Add destination". Below this, the main Lambda function page is visible, showing the function ARN (arn:aws:lambda:us-east-1:956957179:function:salesAnalysisReport) and a Function URL. The "Code source" tab is selected, showing the code editor with a Python file named "salesAnalysisReport.py". The file contains a single line of code: "print('Hello World')". The sidebar on the right includes links for Account, Dashboard, Courses, Calendar, Inbox, History, Help, and a navigation bar for ACAv2EN... > Assignments, Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe.

This screenshot shows the "Edit basic settings" page for the salesAnalysisReport Lambda function. The "Basic settings" section includes fields for Description (optional), Memory (128 MB), Ephemeral storage (512 MB), SnapStart (None), Timeout (0 min 30 sec), and Execution role (Use an existing role). The "Existing role" dropdown is set to "salesAnalysisReportRole". The sidebar on the right is identical to the previous screenshot, showing the same navigation links for ACAv2EN... > Assignments, Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe.

Edit runtime settings

Runtime settings

Runtime
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.
Python 3.8

New runtime available
A new runtime is available for your function's language: Python 3.10

Handler **Info**
salesAnalysisReport.lambda_handler

Architecture **Info**
Choose the instruction set architecture you want for your function code.
x86_64
arm64

You can change either the function's runtime or the instruction set architecture in one update. To update both, you must repeat the update process.

Cancel **Save**

CloudShell **Feedback** **Language** Privacy Terms Cookie preferences © 2023, Amazon Web Services, Inc. or its affiliates. 31°C Try it now 23:23 13/07/2023

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Due No Due Date Points 100 Submitting an external tool

Actions **Submit** Details AWS Start Lab End Lab 2:18 Instructions Grades EN_US Files README Terminal Source In this task, you will create the Lambda function that generates and sends the daily analysis report.

- Create a second Lambda function with the following settings:
 - Function name: salesAnalysisReport
 - Runtime: Python 3.8
 - Role: salesAnalysisReportRole
- Configure the salesAnalysisReport Lambda function as follows:
 - Code: Upload the salesAnalysisReport.zip file
 - Description: Lambda function to generate and send the daily report
 - Handler: salesAnalysisReport.lambda_handler
 - Memory Size: 128 MB
 - Timeout (seconds): 30

Task 4: Creating an SNS topic

Successfully updated the function salesAnalysisReport.

Lambda > **Functions** > **salesAnalysisReport**

salesAnalysisReport

Throttle **Copy ARN** **Actions**

Function overview **Info**

salesAnalysisReport
Lambda function to generate and send the daily sales report
Last modified 1 second ago
Function ARN amawslambdaus-east-1:243 956957179:function:salesAnalysisReport
Function URL [Info](#)

+ Add trigger **+ Add destination**

Code **Code source** **Info**
Upload from **Test** **Deploy**

Code **Test** **Monitor** **Configuration** **Aliases** **Versions**

CloudShell **Feedback** **Language** Privacy Terms Cookie preferences © 2023, Amazon Web Services, Inc. or its affiliates. 31°C Try it now 23:23 13/07/2023

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Due No Due Date Points 100 Submitting an external tool

Actions **Submit** Details AWS Start Lab End Lab 2:17 Instructions Grades EN_US Files README Terminal Source In this task, you will create the Lambda function that generates and sends the daily analysis report.

- Create a second Lambda function with the following settings:
 - Function name: salesAnalysisReport
 - Runtime: Python 3.8
 - Role: salesAnalysisReportRole
- Configure the salesAnalysisReport Lambda function as follows:
 - Code: Upload the salesAnalysisReport.zip file
 - Description: Lambda function to generate and send the daily report
 - Handler: salesAnalysisReport.lambda_handler
 - Memory Size: 128 MB
 - Timeout (seconds): 30

Task 4: Creating an SNS topic

Amazon Simple Notification Service

Pub/sub messaging for microservices and serverless applications.

Amazon SNS is a highly available, durable, secure, fully managed pub/sub messaging service that enables you to decouple microservices, distributed systems, and event-driven serverless applications. Amazon SNS provides topics for high-throughput, push-based, many-to-many messaging.

Create topic

Topic name
A topic is a message channel. When you publish a message to a topic, it fans out the message to all subscribed endpoints.

Next step

Start with an overview

Task 4: Creating an SNS topic

The sales analysis report uses an SNS topic to send the report to email subscribers. In this task, you will create an SNS topic and update the environment variables of the salesAnalysisReport Lambda function to store the topic Amazon Resource Name (ARN).

16. Create a standard SNS topic with the following configuration:
 - Name:
 - Display Name: Sales Report Topic
17. Update the salesAnalysisReport Lambda function by adding the following environment variable:
 - Variable Name: topicARN
 - Variable Value: The ARN of the topic you just created

Create topic | AWS CloudWatch Metrics

Name: SalesReportTopic
Maximum 256 characters. Can include alphanumeric characters, hyphens (-) and underscores (_).

Display name - optional Info
To use this topic with SMS subscriptions, enter a display name. Only the first 10 characters are displayed in an SMS message.

Maximum 100 characters.

Encryption - optional Info
Amazon SNS provides in-transit encryption by default. Enabling server-side encryption adds at-rest encryption to your topic.

Access policy - optional Info
This policy defines who can access your topic. By default, only the topic owner can publish or subscribe to the topic.

Data protection policy - optional Info
This policy defines which sensitive data to monitor and to prevent from being exchanged via your topic.

Delivery policy (HTTP/S) - optional Info
The policy defines how Amazon SNS retries failed deliveries to HTTP/S endpoints. To modify the default settings, expand this section.

Task 4: Creating an SNS topic

The sales analysis report uses an SNS topic to send the report to email subscribers. In this task, you will create an SNS topic and update the environment variables of the salesAnalysisReport Lambda function to store the topic Amazon Resource Name (ARN).

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Task 4: Creating an SNS topic

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- o Name: SalesReportTopic
- o Display Name: Sales Report Topic

17. Update the salesAnalysisReport Lambda function by adding the following environment variable:

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- o Variable Value: The ARN of the topic you just created

Task 4: Creating an SNS topic

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- o Name: SalesReportTopic
- o Display Name: Sales Report Topic

17. Update the salesAnalysisReport Lambda function by adding the following environment variable:

- o Variable Name: topicARN
- o Variable Value: The ARN of the topic you just created

Important changes for sending test messages (SMS) to US destinations

US mobile carriers have recently changed their regulations, and will require that all toll-free numbers (TFNs) complete a registration process with a regulatory body before September 30, 2022. If you currently have a toll-free number you must register your toll-free number by September 30, 2022 or you will no longer be able to use the toll-free number. [Learn more](#)

Create subscription

Details

Topic ARN: `arn:aws:sns:us-east-1:243956957179:SalesReportTopic`

Protocol: Email

Endpoint: `ainchan29@gmail.com`

After your subscription is created, you must confirm it. [Info](#)

Subscription filter policy - optional Info

This policy filters the messages that a subscriber receives.

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Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Home Modules Announcements Discussions Grades

Due No Due Date Points 100 Submitting an external tool

Submit Details AWS Start Lab End Lab 2:12 Instructions Grades Actions Files README Terminal Source EN_US

Task 4: Creating an SNS topic

The sales analysis report uses an SNS topic to send the report to email subscribers. In this task, you will create an SNS topic and update the environment variables of the salesAnalysisReport Lambda function to store the topic Amazon Resource Name (ARN).

16. Create a standard SNS topic with the following configuration:
 - Name: `SalesReportTopic`
 - Display Name: Sales Report Topic
17. Update the salesAnalysisReport Lambda function by adding the following environment variable:
 - Variable Name: `topicARN`
 - Variable Value: The ARN of the topic you just created
18. Return to the browser tab with the multiple-choice questions for this lab, and answer the following question:
 - Question 3: Could the `topicARN` be stored as an AWS Systems Manager parameter instead of as an environment variable (assuming that the `topicARN` parameter is not sensitive)?

ENG 23:28 13/07/2023

Simple Notification Service

Subscription confirmed!

You have successfully subscribed.

Your subscription's ID is:
`arn:aws:sns:us-east-1:243956957179:SalesReportTopic:4de34912-8430-40b1-a527-0e29d2144e`

If it was not your intention to subscribe, [click here to unsubscribe](#).

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Home Modules Announcements Discussions Grades

Due No Due Date Points 100 Submitting an external tool

Submit Details AWS Start Lab End Lab 2:12 Instructions Grades Actions Files README Terminal Source EN_US

Task 4: Creating an SNS topic

The sales analysis report uses an SNS topic to send the report to email subscribers. In this task, you will create an SNS topic and update the environment variables of the salesAnalysisReport Lambda function to store the topic Amazon Resource Name (ARN).

16. Create a standard SNS topic with the following configuration:
 - Name: `SalesReportTopic`
 - Display Name: Sales Report Topic
17. Update the salesAnalysisReport Lambda function by adding the following environment variable:
 - Variable Name: `topicARN`
 - Variable Value: The ARN of the topic you just created
18. Return to the browser tab with the multiple-choice questions for this lab, and answer the following question:
 - Question 3: Could the `topicARN` be stored as an AWS Systems Manager parameter instead of as an environment variable (assuming that the `topicARN` parameter is not sensitive)?

ENG 23:30 13/07/2023

Successfully updated the function salesAnalysisReport.

Executing function: succeeded (logs)

Test event

To invoke your function without saving an event, configure the JSON event, then choose Test.

Create new event

Event name: MyEventName

Event sharing settings: Private

Event sharing settings: Shareable

Template content:

```
-----  
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31°C Trời ít mây
```

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Home Modules Announcements Discussions Grades

Submit Details AWS Start Lab End Lab 2:07 Instructions Grades

EN_US

Task 4: Creating an SNS topic

The sales analysis report uses an SNS topic to send the report to email subscribers. In this task, you will create an SNS topic and update the environment variables of the salesAnalysisReport Lambda function to store the topic Amazon Resource Name (ARN).

16. Create a standard SNS topic with the following configuration:

- Name: SalesReportTopic
- Display Name: Sales Report Topic

17. Update the salesAnalysisReport Lambda function by adding the following environment variable:

- Variable Name: topicARN
- Variable Value: The ARN of the topic you just created

18. Return to the browser tab with the multiple-choice questions for this lab, and answer the following question:

◦ Question 3: Could the topicARN be stored as an AWS Systems Manager parameter instead of as an environment variable (assuming that the command-line interface has access to the parameter)?

mail.google.com/mail/u/0/#inbox/FMfcg2GtwCwmNr7GVNfSPdxSfdMRxvN

Daily Sales Analysis Report

Sales Report Topic <no-reply@sns.amazonaws.com>

den từ: 23:33 (0 phút trước)

Tiếng Anh > Tiếng Việt > Dịch thu

Sales Analysis Report

Date: 2023-07-13

Product Group: Pastries

Item Name	Quantity
Croissant	29
Croissant	23
Chocolate Chip Cookie	16
Muffin	6
Strawberry Blueberry Tart	34
Strawberry Tart	33

Product Group: Drinks

Item Name	Quantity
Coffee	33
Hot Chocolate	17
Latte	24

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:
<https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:243956957179:SalesReportTopic:4de34912-8430-4fb1-a527-bc93e5d14fe&EndpointArn=chan29@gmail.com>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

31°C Trời quang

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Home Modules Announcements Discussions Grades

Submit Details AWS Start Lab End Lab 2:06 Instructions Grades

EN_US

Task 4: Creating an SNS topic

The sales analysis report uses an SNS topic to send the report to email subscribers. In this task, you will create an SNS topic and update the environment variables of the salesAnalysisReport Lambda function to store the topic Amazon Resource Name (ARN).

16. Create a standard SNS topic with the following configuration:

- Name: SalesReportTopic
- Display Name: Sales Report Topic

17. Update the salesAnalysisReport Lambda function by adding the following environment variable:

- Variable Name: topicARN
- Variable Value: The ARN of the topic you just created

18. Return to the browser tab with the multiple-choice questions for this lab, and answer the following question:

◦ Question 3: Could the topicARN be stored as an AWS Systems Manager parameter instead of as an environment variable (assuming that the command-line interface has access to the parameter)?

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Due No Due Date Points 100 Submitting an external tool

Submit Details AWS Start Lab End Lab 1:36 Instructions Grades Actions Files README Terminal Source EN_US

Task 7: Setting up an Amazon EventBridge event trigger the Lambda function each day

The last step in this challenge is to set up a trigger that will run the report every day at a specific time. Make sure to choose Continue to create rule.

Hint: If you get stuck, see the [cron expression examples in the AWS Documentation](#). Use a time that is close to your current time, but remember that the time specified in Coordinated Universal Time (UTC).

25 Create a new EventBridge rule that runs the salesAnalysisReport Lambda function every day at 8:00 a.m. UTC. Make sure to choose Continue to create rule.

26 Check your email to see if you received the report.

27 Return to the browser tab with the multiple-choice questions for this lab and answer the following question:

- Question 5 Frank tells you that he hasn't received an email report days. What could you do to troubleshoot this issue?

The screenshot shows the AWS Lambda console interface. A new rule is being created with the name 'HaiAnhRule'. The 'Event bus' is set to 'default'. The 'Rule type' is selected as 'Schedule', which is described as a rule that runs on a schedule. A note about the new EventBridge scheduling functionality is present. Buttons for 'Cancel' and 'Continue in EventBridge Scheduler' are visible.

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Due No Due Date Points 100 Submitting an external tool

Submit Details AWS Start Lab End Lab 1:35 Instructions Grades Actions Files README Terminal Source EN_US

Task 7: Setting up an Amazon EventBridge event trigger the Lambda function each day

The last step in this challenge is to set up a trigger that will run the report every day at a specific time. Make sure to choose Continue to create rule.

Hint: If you get stuck, see the [cron expression examples in the AWS Documentation](#). Use a time that is close to your current time, but remember that the time specified in Coordinated Universal Time (UTC).

25 Create a new EventBridge rule that runs the salesAnalysisReport Lambda function every day at 8:00 a.m. UTC. Make sure to choose Continue to create rule.

26 Check your email to see if you received the report.

27 Return to the browser tab with the multiple-choice questions for this lab and answer the following question:

- Question 5 Frank tells you that he hasn't received an email report days. What could you do to troubleshoot this issue?

The screenshot shows the AWS Lambda console interface. A new rule is being created with the name 'HaiAnhRule'. The 'Event bus' is set to 'default'. The 'Rule type' is selected as 'Schedule', which is described as a rule that runs on a schedule. A note about the new EventBridge scheduling functionality is present. Buttons for 'Cancel' and 'Next' are visible.

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Due No Due Date Points 100 Submitting an external tool

Task 7: Setting up an Amazon EventBridge event trigger the Lambda function each day

The last step in this challenge is to set up a trigger that will run the report every day at a specific time. Make sure to choose Continue to create rule.

Hint: If you get stuck, see the [cron expression examples in the AWS Documentation](#). Tip: Use a time that is close to your current time, but remember that the time specified in Coordinated Universal Time (UTC).

25. Create a new EventBridge rule that runs the salesAnalysisReport Lambda function each day at a specific time. Make sure to choose Continue to create rule.

26. Check your email to see if you received the report.

27. Return to the browser tab with the multiple-choice questions for this lab and answer the following question:

- Question 5: Frank tells you that he hasn't received an email report days. What could you do to troubleshoot this issue?

Amazon EventBridge - Rules

Rule HaiAnhRule was created successfully

Rules (5)

Event bus: default

CloudFormation Template

Create rule

Find rules

Name Status Type

Rule HaiAnhRule was created successfully

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Cafe

Due No Due Date Points 100 Submitting an external tool

Task 7: Setting up an Amazon EventBridge event trigger the Lambda function each day

The last step in this challenge is to set up a trigger that will run the report every day at a specific time. Make sure to choose Continue to create rule.

Hint: If you get stuck, see the [cron expression examples in the AWS Documentation](#). Tip: Use a time that is close to your current time, but remember that the time specified in Coordinated Universal Time (UTC).

25. Create a new EventBridge rule that runs the salesAnalysisReport Lambda function each day at a specific time. Make sure to choose Continue to create rule.

26. Check your email to see if you received the report.

27. Return to the browser tab with the multiple-choice questions for this lab and answer the following question:

- Question 5: Frank tells you that he hasn't received an email report days. What could you do to troubleshoot this issue?

AWS Services | **Search** | **[Alt+S]** | **CloudShell** | **Feedback** | **Language**

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Amazon EventBridge

Developer resources

- Learn
- Sandbox
- Quick starts

Buses

- Event buses
- Rules**
- Global endpoints
- Archives
- Replays

Pipes

- Pipes **New**

Scheduler

- Schedules
- Schedule group

Integration

- Partner event sources
- API destinations

Schema registry

- Schemas

Privacy Terms Cookie preferences

31°C Trời quang

Select event bus

Event bus

Select or enter event bus name: default

Rules (5)

Name	Status	Type
c84296a17954994424259t1w243956957179-ScheduledRule-BT7HEUJKJAAR	Enabled	Sched., Stand.
HaiAnhRule	Enabled	Sched., Stand.
voc-codebuild-cw-rule	Enabled	Stand.
voc-ec2-cw-rule	Enabled	Stand.
voc-rds-cw-rule	Enabled	Stand.

Question 1: Why does the salesAnalysisReportDataExtractor.zip file have a package folder?

It's an optional folder to improve caching within the Lambda function
 The folder contains any Python packages that are used by the Lambda function
 The folder contains debugging information for Python
 The folder is a required folder for Lambda functions that are deployed to a VPC

Submit

Question 2: Why must the salesAnalysisReportDataExtractor be in a VPC?

The Lambda function must be able to communicate with the web server instance
 The Lambda function must be able to communicate with the RDS instance
 This Lambda function must be set up differently than the other Lambda function
 This Lambda function must be able to communicate with an email server

Submit

Question 3: Could the topicARN be stored as an AWS Systems Manager parameter instead of as an environment variable (assuming that the code could be updated)?

Yes
 No

Submit

Question 4: Will you receive an email message if you do not confirm the topic subscription?

Yes
 No

Submit

Question 5: Frank tells you that he hasn't received an email report in the last few days. What could you do to troubleshoot this issue?

Restart the Lambda function because it might be stuck
 Update the Python version
 Use the logs from Amazon CloudWatch Logs and review them for errors
 Use the AWS CloudTrail logs and review them for errors

Submit

00:11 14/07/2023

Wk9: ACA Module 13 Challenge Lab - Implementing EventBridge | EC2 | | salesi | | Amaz | | Wk9 | | Daily | | Subs | +

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docs.google.com/document/d/1nHNgFVmPcuOEagQ6ZfOjq1SEGWrL2dduJlEojU/edit

Wk9: ACA Module 13 Challenge Lab - Implementing EventBridge

Tệp Chính sáu Xem Chèn Định dạng Công cụ Tiện ích mở rộng ...

100% Văn bản t... Arial 11 +

Submit

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Submit

00:11 14/07/2023

Module 13 Challenge Lab - Implementing a Serverless Architecture for the Café

Home Modules Announcements Discussions Grades

Task 7: Setting up an Amazon EventBridge event to trigger the Lambda function each day

The last step in this challenge is to set up a trigger that will run the report each day.

25. Create a new EventBridge rule that runs the `salesAnalysis/Report` Lambda function each day at a specific time. Make sure to choose **Continue to create rule**.

Hint: If you get stuck, see the [cron expression examples in the AWS Documentation](#).
Tip: Use a time that is close to your current time, but remember that the time must be specified in Coordinated Universal Time (UTC).

26. Check your email to see if you received the report.

27. Return to the browser tab with the multiple-choice questions for this lab, and answer the following question:

- Question 5 Frank tells you that he hasn't received an email report in the last few days. What could you do to troubleshoot this issue?

Update from the café

After Sofia finishes testing the reporting, she creates an email subscription for Frank and

Total score 35/35

[Task 2] Lambda security group exists

[Task 2] Lambda function salesAnalysis exists

[Task 3] Lambda function salesAnalysis exists

[Task 4] SNS topic exists

[Task 5] Email subscription exists

[Task 7] Daily event exists

[Answer 01]

[Answer 02]

[Answer 03]

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