

Ta Quang Tung – 104222196

COS20019 – Cloud Computing Architecture - Wk9: ACA Module 13 Challenge Lab - Implementing a Serverless Architecture for the Café

Task 1 - Downloading the source code

Code .zip files are downloaded from Canvas.

Task 2 - Creating the DataExtractor Lambda function in the VPC

Create security group [Info](#)

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name [Info](#)
LambdaSG
Name cannot be edited after creation.

Description [Info](#)
Security group for Lambda function.

VPC [Info](#)
vpc-070b8dd63ba0464f1

Inbound rules [Info](#)

This security group has no inbound rules.

Outbound rules [Info](#)

Type Info	Protocol Info	Port range Info	Destination Info	Description - optional Info
All traffic	All	All	Custom	
			0.0.0.0/0	

Create a security group for the Lambda function that allows all outbound traffic to all destinations.

aws Services Search [Alt+S] N. Virginia voclabs/user2564760=104222196@student.swin.edu.au @ 6064-6306...

EC2 > Security Groups > sg-0d90f5808f35cf761 - DB-SG > Edit inbound rules

Edit inbound rules [Info](#)

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules [Info](#)

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info	
sgr-0a170f52dffcd8e8b	MySQL/Aurora	TCP	3306	Custom		Delete
-	MySQL/Aurora	TCP	3306	Custom	Allows traffic from Lambda function.	Delete

[Add rule](#)

[Cancel](#) [Preview changes](#) [Save rules](#)

Update the Database SG to allow MySQL traffic from the Lambda function.

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EC2 Dashboard
EC2 Global View
Events

▼ Instances
Instances
Instance Types
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Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations

▼ Images
AMIs
AMI Catalog

▼ Elastic Block Store
Volumes
Snapshots
Lifecycle Manager

▼ Network & Security
Security Groups
Elastic IPs
Placement Groups
Key Pairs

✔ Inbound security group rules successfully modified on security group (sg-0d90f5808f35cf761 | DB-SG)
Details

Security Groups (1/5) Info Actions Export security groups to CSV Create security group

Filter security groups

	Name	Security group ID	Security group name	VPC ID	Description	Owner	Inbound rules count	Outbound rules count
<input type="checkbox"/>	CafeSG	sg-08058b1dbabfc3a33	c84296a17954991444...	vpc-070b8dd63ba0464f1	Security group for the ...	606463066839	2 Permission entries	1 Permission entry
<input type="checkbox"/>	-	sg-02adaa5c5d763cf3f	default	vpc-0081e2e3efa0bfafc	default VPC security gr...	606463066839	1 Permission entry	1 Permission entry
<input type="checkbox"/>	-	sg-0bae838602379a113	default	vpc-070b8dd63ba0464f1	default VPC security gr...	606463066839	1 Permission entry	1 Permission entry
<input type="checkbox"/>	-	sg-0efbdbd79bada43ce	LambdaSG	vpc-070b8dd63ba0464f1	Security group for Lam...	606463066839	0 Permission entries	1 Permission entry
<input checked="" type="checkbox"/>	DatabaseSG	sg-0d90f5808f35cf761	DB-SG	vpc-070b8dd63ba0464f1	DB-SG	606463066839	2 Permission entries	1 Permission entry

sg-0d90f5808f35cf761 - DB-SG

Details Inbound rules Outbound rules Tags

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer

Inbound rules (2) Manage tags Edit inbound rules

Filter security group rules

	Name	Security group rule...	IP version	Type	Protocol	Port range	Source
<input type="checkbox"/>	-	sgr-0a170f52dffcdac8b	-	MYSQL/Aurora	TCP	3306	sg-08058b1dbabfc3a33 / c84296a1795499144...
<input type="checkbox"/>	-	sgr-0b79fc23e4f438bb6	-	MYSQL/Aurora	TCP	3306	sg-0efbdbd79bada43ce / LambdaSG

The security group has been successfully updated.

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☒ Author from scratch
Start with a simple Hello World example.

☐ Use a blueprint
Build a Lambda application from sample code and configuration presets for common use cases.

☐ Container image
Select a container image to deploy for your function.

Basic information

Function name
Enter a name that describes the purpose of your function.

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime [Info](#)
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Architecture [Info](#)
Choose the instruction set architecture you want for your function code.
☒ x86_64
☐ arm64

Permissions [Info](#)
By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.

▼ **Change default execution role**

Execution role
Choose a role that defines the permissions of your function. To create a custom role, go to the [IAM console](#).

☐ Create a new role with basic Lambda permissions
☒ 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.

[View the salesAnalysisReportDERole role](#) on the IAM console.

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Create the Data Extractor Lambda function (part 1/2), specifying the correct name, runtime, and IAM role.

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▼ Advanced settings


☐ **Enable Code signing** [Info](#)
Use code signing configurations to ensure that the code has been signed by an approved source and has not been altered since signing.

☐ **Enable function URL** [Info](#)
Use function URLs to assign HTTP(S) endpoints to your Lambda function.


☐ **Enable tags** [Info](#)
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources, track your AWS costs, and enforce attribute-based access control.

☒ **Enable VPC** [Info](#)
Connect your function to a VPC to access private resources during invocation.

VPC
Choose a VPC for your function to access.
vpc-070b8dd63ba0464f1 (10.0.0.0/16) 

Subnets
Select the VPC subnets for Lambda to use to set up your VPC configuration.
Choose subnets 

subnet-072735e3e124604ae (10.0.2.0/24) aws:cloudformation:logical-id: PrivateSubnet2 aws:cloudformation:stack-id: arn:aws:cloudformation:us-east-1:606463066839:stack/c84296a17954991444459211w606463066839/0030a730-251a-11ee-9892-0a8dc865b5ff aws:cloudformation:stack-name: c84296a17954991444459211w606463066839 cloudlab: c84296a17954991444459211w606463066839 Name: Private Subnet 2	us-east-1b X
subnet-0958b4b8abf4b402b (10.0.1.0/24) aws:cloudformation:logical-id: PrivateSubnet1 aws:cloudformation:stack-id: arn:aws:cloudformation:us-east-1:606463066839:stack/c84296a17954991444459211w606463066839/0030a730-251a-11ee-9892-0a8dc865b5ff aws:cloudformation:stack-name: c84296a17954991444459211w606463066839 cloudlab: c84296a17954991444459211w606463066839 Name: Private Subnet 1	us-east-1a X

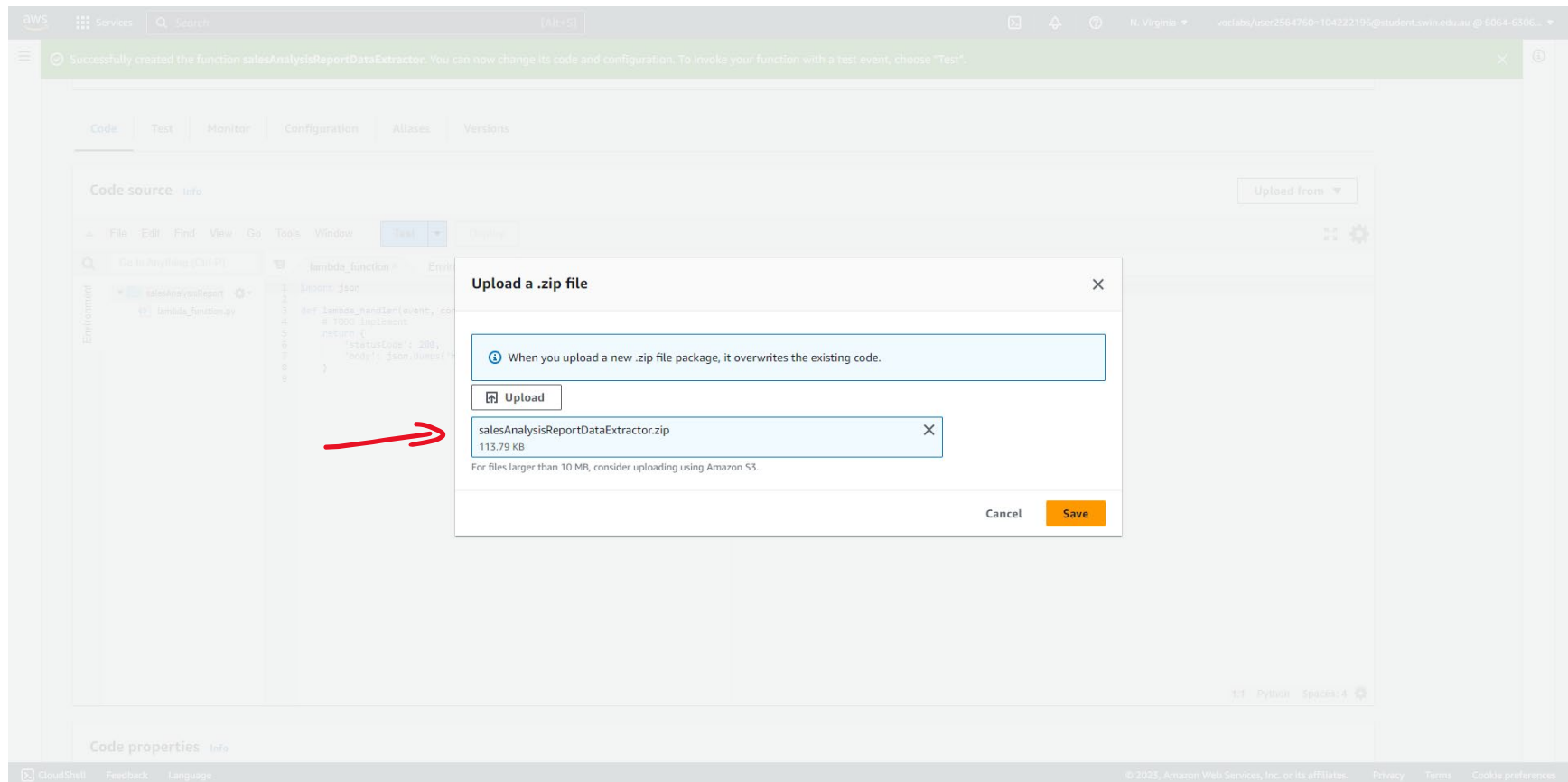
Security groups
Choose the VPC security groups for Lambda to use to set up your VPC configuration. The table below shows the inbound and outbound rules for the security groups that you choose.
Choose security groups 

sg-0efbdbd79bada43ce (LambdaSG) X Security group for Lambda function.
--

Inbound rules | **Outbound rules**

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Create the Data Extractor Lambda function (part 2/2), specifying the correct VPC settings.



Upload the zipped code for the Data Extractor function.

aws Services Search [Alt+S]

Lambda > Functions > salesAnalysisReportDataExtractor > Edit basic settings

Edit basic settings

Basic settings [Info](#)

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

Configure the description, memory size and timeout for the Lambda function.

aws Services Search [Alt+S] N. Virginia voclabs/user2564760=104222196@student.swin.edu.au @ 6064-6306...

Successfully updated the function salesAnalysisReportDataExtractor.

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

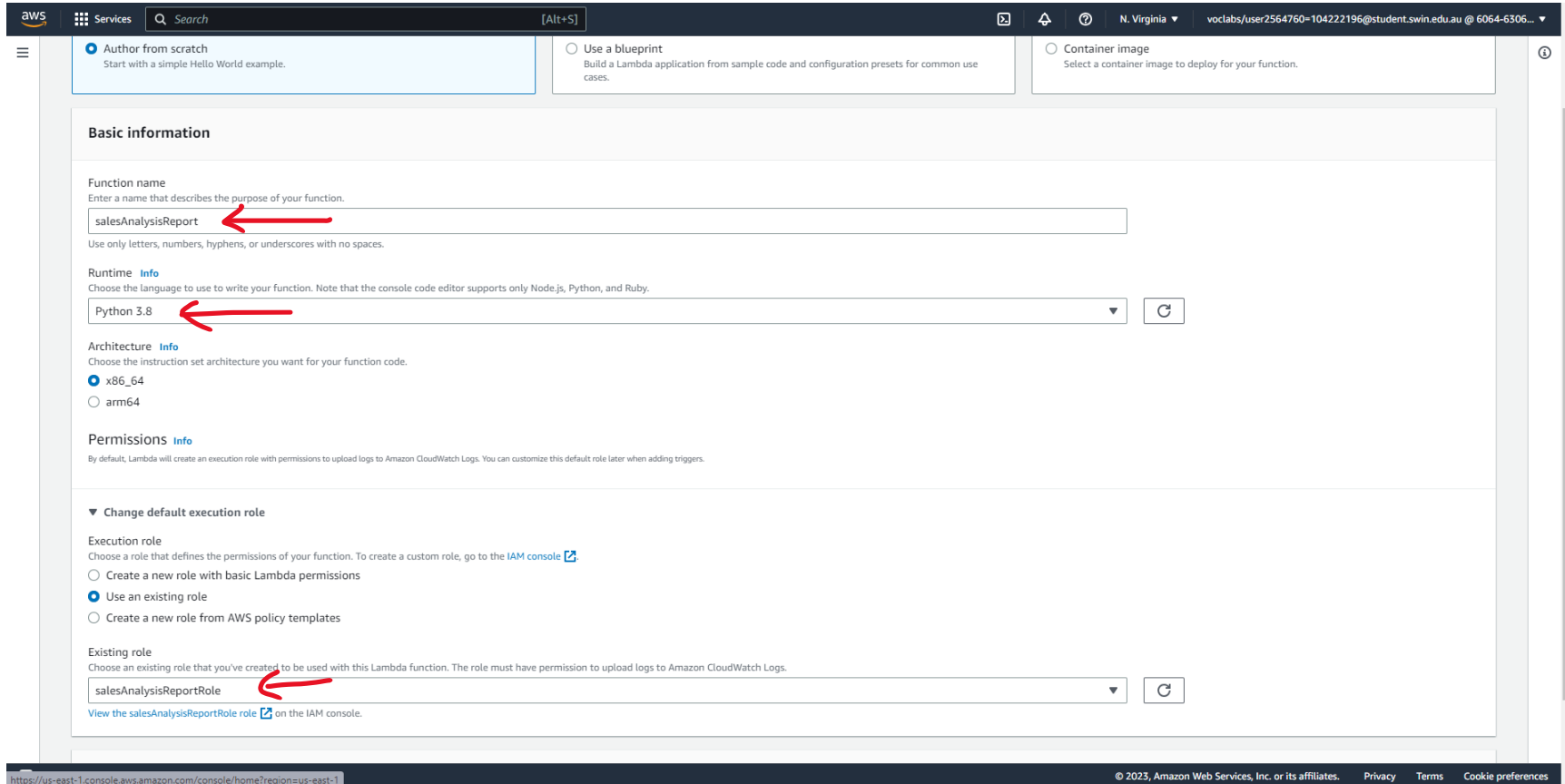
You can change either the function's runtime or the instruction set architecture in one update. To update both, you must repeat the update process.

Cancel Save

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Specify the correct handler for the Lambda function.

Task 3 - Creating the salesAnalysisReport Lambda function

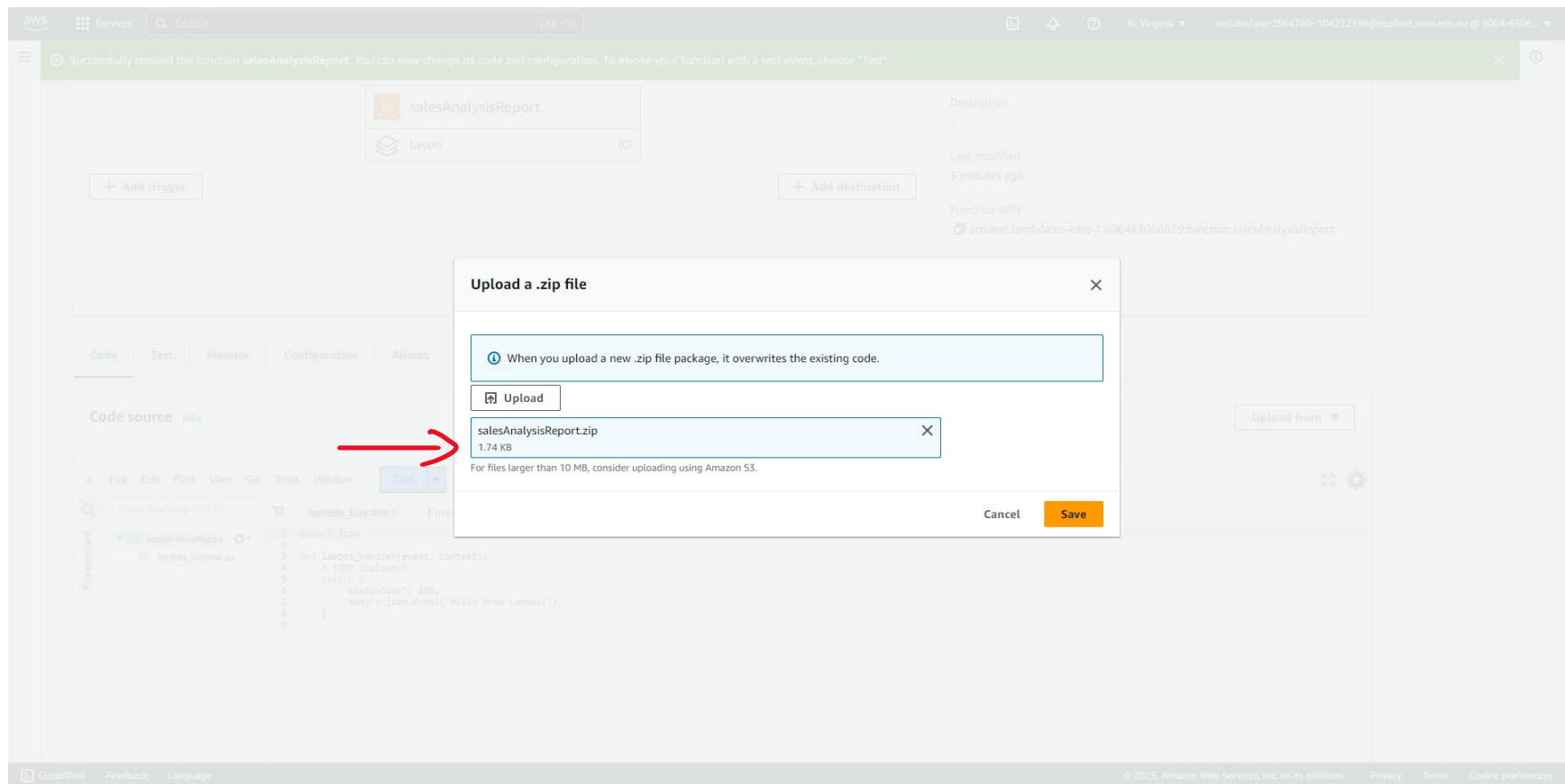


The screenshot shows the AWS Lambda console interface for creating a new function. The 'Basic information' section is active, and three red arrows highlight specific fields:

- Function name:** The text 'salesAnalysisReport' is entered in the input field.
- Runtime:** The dropdown menu is set to 'Python 3.8'.
- Permissions:** Under the 'Change default execution role' section, the 'Existing role' dropdown is set to 'salesAnalysisReportRole'.

The console also shows options for 'Author from scratch', 'Use a blueprint', and 'Container image'. The bottom of the screen displays the URL 'https://us-east-1.console.aws.amazon.com/console/home?region=us-east-1' and copyright information for Amazon Web Services.

Create the Analysis Report Lambda function, specifying the correct name, runtime, and IAM role.



Upload the zipped code for the Lambda function.

aws Services Search [Alt+S] N. Virginia voclabs/user2564760-104222196@student.swin.edu.au @ 6064-6306...

Lambda > Functions > salesAnalysisReport > Edit basic settings

Edit basic settings

Basic settings [Info](#)

Description - *optional*

Lambda function to generate and send the daily sales report

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.

salesAnalysisReportRole

Configure the description, memory size, and timeout for the Lambda function.

aws Services Search [Alt+S] N. Virginia voclabs/user2564760=104222196@student.swin.edu.au @ 6064-6306...

Lambda > Functions > salesAnalysisReport > 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 X
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.

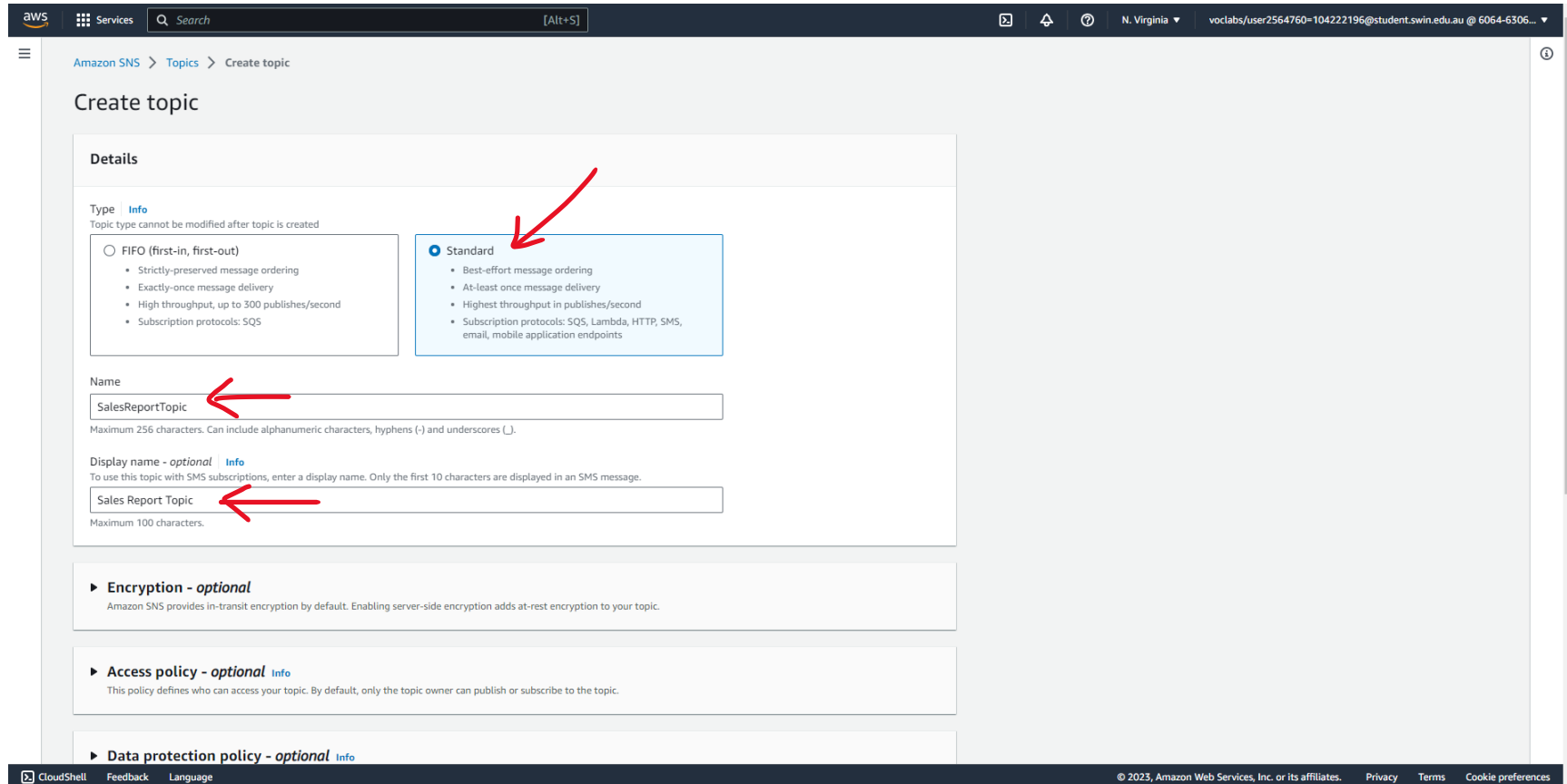
☒ x86_64
☐ arm64

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

Specify the correct handler for the Lambda function.

Task 4 - Creating an SNS topic



aws Services Search [Alt+S]

Amazon SNS > Topics > Create topic

Create topic

Details

Type [Info](#)
Topic type cannot be modified after topic is created

☐ FIFO (first-in, first-out)

- Strictly-preserved message ordering
- Exactly-once message delivery
- High throughput, up to 300 publishes/second
- Subscription protocols: SQS

☒ Standard

- Best-effort message ordering
- At-least once message delivery
- Highest throughput in publishes/second
- Subscription protocols: SQS, Lambda, HTTP, SMS, email, mobile application endpoints

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.

Sales Report Topic

Maximum 100 characters.

► **Encryption - optional**
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](#)

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Create a standard SNS topic with the correct name and display name.

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Amazon SNS ×

Dashboard
Topics
Subscriptions
▼ Mobile
Push notifications
Text messaging (SMS)
Origination numbers

Topic SalesReportTopic created successfully.
You can create subscriptions and send messages to them from this topic. Publish message × ⓘ

Amazon SNS > Topics > SalesReportTopic

SalesReportTopic

Edit Delete Publish message

Details

Name SalesReportTopic	Display name Sales Report Topic
ARN arn:aws:sns:us-east-1:606463066839:SalesReportTopic	Topic owner 606463066839
Type Standard	

Subscriptions Access policy Data protection policy Delivery policy (HTTP/S) Delivery status logging Encryption Tags Integrations

Subscriptions (0)

Q Search

Edit Delete Request confirmation Confirm subscription Create subscription

ID	Endpoint	Status	Protocol
No subscriptions found You don't have any subscriptions to this topic. Create subscription			

< 1 > ⓘ

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The SNS topic has been created successfully. Its ARN is shown above.

aws Services Search [Alt+S] N. Virginia voclabs/user2564760=104222196@student.swin.edu.au @ 6064-6306...

Successfully updated the function salesAnalysisReport.

+ Add trigger + Add destination 3 seconds ago

Function ARN
arn:aws:lambda:us-east-1:606463066839:function:salesAnalysisReport

Function URL [Info](#)


Code Test Monitor **Configuration** Aliases Versions

General configuration
Triggers
Permissions
Destinations
Function URL
Environment variables
Tags
VPC
Monitoring and operations tools
Concurrency
Asynchronous invocation
Code signing
Database proxies

Environment variables (1) [Edit](#)

The environment variables below are encrypted at rest with the default Lambda service key.

Key	Value
topicARN	arn:aws:sns:us-east-1:606463066839:SalesReportTopic



Add an environment variable to the Analysis Report function that references the ARN of the SNS topic.

Task 5 - Creating an email subscription to the SNS topic

Important changes for sending text messages (SMS) to 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](#)

Amazon SNS > Subscriptions > Create subscription

Create subscription

Details

Topic ARN

Protocol
The type of endpoint to subscribe

Endpoint
An email address that can receive notifications from Amazon SNS.

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

► **Subscription filter policy - optional** [Info](#)
This policy filters the messages that a subscriber receives.

► **Redrive policy (dead-letter queue) - optional** [Info](#)
Send undeliverable messages to a dead-letter queue.

Cancel **Create subscription**

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Create an email subscription to the SNS topic.

Task 6 - Testing the salesAnalysisReport Lambda function

Successfully updated the function **salesAnalysisReport**.

Code **Test** Monitor Configuration Aliases Versions

Test event Info Save Test

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

Test event action

☒ Create new event ☐ Edit saved event

Event name

SalesReportTest

Maximum of 25 characters consisting of letters, numbers, dots, hyphens and underscores.

Event sharing settings

☒ Private
This event is only available in the Lambda console and to the event creator. You can configure a total of 10. [Learn more](#)

☐ Shareable
This event is available to IAM users within the same account who have permissions to access and use shareable events. [Learn more](#)

Template - optional

hello-world

Event JSON Format JSON

1 { }

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Create a test event for the Analysis Report function.

aws

Services

Search

[Alt+S]

N. Virginia

voclabs/user2564760-104222196@student.swin.edu.au @ 6064-6306...

☰

☑ Successfully updated the function salesAnalysisReport.

Code

Test

Monitor

Configuration

Aliases

Versions

☑ Executing function: succeeded (logs)

▼ Details

The area below shows the last 4 KB of the execution log.

```
{
  "statusCode": 200,
  "body": "\\Sale Analysis Report sent\\"
}
```

Summary

Code SHA-256
aJkuHxZfG9ClxdxAQBK6haXsFCSX2up4DA6TpE2RXg=

Function version
\$LATEST

Duration
3094.17 ms

Resources configured
128 MB

Request ID
d06070fe-21a3-49af-9da1-202b2d06e0a9

Init duration
260.34 ms

Billed duration
3095 ms

Max memory used
75 MB

Log output

The section below shows the logging calls in your code. [Click here](#) to view the corresponding CloudWatch log group.

```
START RequestId: d06070fe-21a3-49af-9da1-202b2d06e0a9 Version: $LATEST
END RequestId: d06070fe-21a3-49af-9da1-202b2d06e0a9
REPORT RequestId: d06070fe-21a3-49af-9da1-202b2d06e0a9  Duration: 3094.17 ms  Billed Duration: 3095 ms  Memory Size: 128 MB  Max Memory Used: 75 MB  Init Duration: 260.34 ms
```

Test event

Save Test

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Successfully run the test event.

The screenshot shows a Gmail inbox with an email titled "Daily Sales Analysis Report" from "Sales Report Topic" (no-reply@sns.amazonaws.com). The email content includes a "Sales Analysis Report" dated 2023-07-18, divided into two sections: "Product Group: Pastries" and "Product Group: Drinks". Each section contains a table with "Item Name" and "Quantity".

Sales Analysis Report
Date: 2023-07-18

Product Group: Pastries

Item Name	Quantity
Croissant	29
Donut	23
Chocolate Chip Cookie	18
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-1:606463066839:SalesReportTopic:e62bb330-5af6-4a17-8d69-4e573033fbb1&Endpoint=tunggnut2004@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>

Buttons: Reply, Forward

An email report is sent to the subscription email.

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

Amazon EventBridge > Rules > Create rule

Step 1
Define rule detail

Step 2
Define schedule

Step 3
Select target(s)

Step 4 - optional
Configure tags

Step 5
Review and create

Define rule detail [Info](#)

Rule detail

Name
SalesReportRule
Maximum of 64 characters consisting of numbers, lower/upper case letters, -, _.

Description - optional
Rule to send a daily sales report.

Event bus [Info](#)
Select the event bus this rule applies to, either the default event bus or a custom or partner event bus.
default

☒ Enable the rule on the selected event bus

Rule type [Info](#)

☐ Rule with an event pattern
A rule that runs when an event matches the defined event pattern. EventBridge sends the event to the specified target.

☒ Schedule
A rule that runs on a schedule

EventBridge Scheduler - A new AWS scheduling capability! [New](#)

A new EventBridge scheduling functionality that provides one-time and recurring scheduling functionality independent of Event buses and rules. You can create a schedule to invoke targets such as a Lambda function.
[Learn More](#)

[Continue to create rule](#) [Cancel](#) [Continue in EventBridge Scheduler](#)

Create an EventBridge event (part 1/3), specifying the name, description, and rule type.

aws

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Important Message

If you have existing cross account event bus targets that do not have an IAM role configured, we recommend adding IAM roles to grant users access to resources in another account and set organization boundaries using Service Control Policies (SCPs) to determine who can send and receive events from accounts in your organization. You can attach IAM roles using EventBridge `PutTarget` calls. To learn more about permissions for cross account event bus targets, please refer to our [documentation](#).

Amazon EventBridge > Rules > Create rule

Step 1
Define rule detail

Step 2
Define schedule

Step 3
Select target(s)

Step 4 - optional
Configure tags

Step 5
Review and create

Define schedule

Schedule pattern

Schedule pattern

Choose the schedule type that best meets your needs.

☒ A fine-grained schedule that runs at a specific time, such as 8:00 a.m. PST on the first Monday of every month.

☐ A schedule that runs at a regular rate, such as every 10 minutes.

Cron expression

Define the cron expression for the schedule

cron

(

40

Minutes

4

Hours

*

Day of month

*

Month

?

Day of week

*

Year

)

Next 10 trigger date(s)

UTC

Tue, 18 Jul 2023 04:40:00 UTC

Wed, 19 Jul 2023 04:40:00 UTC

Thu, 20 Jul 2023 04:40:00 UTC

Fri, 21 Jul 2023 04:40:00 UTC

Sat, 22 Jul 2023 04:40:00 UTC

Sun, 23 Jul 2023 04:40:00 UTC

Mon, 24 Jul 2023 04:40:00 UTC

Tue, 25 Jul 2023 04:40:00 UTC

Wed, 26 Jul 2023 04:40:00 UTC

Thu, 27 Jul 2023 04:40:00 UTC

Cancel

Previous

Next

Create an EventBridge event (part 2/3), specifying the schedule pattern with a cron expression that triggers the event at 04:40 A.M. (UTC) every morning.

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Important Message
If you have existing cross account event bus targets that do not have an IAM role configured, we recommend adding IAM roles to grant users access to resources in another account and set organization boundaries using Service Control Policies (SCPs) to determine who can send and receive events from accounts in your organization. You can attach IAM roles using EventBridge PutTarget calls. To learn more about permissions for cross account event bus targets, please refer to our [documentation](#).

Amazon EventBridge > Rules > Create rule

Step 1
Define rule detail

Step 2
Define schedule

Step 3
Select target(s)

Step 4 - optional
Configure tags

Step 5
Review and create

Select target(s)

Permissions
Note: When using the EventBridge console, EventBridge will automatically configure the proper permissions for the selected targets. If you're using the AWS CLI, SDK, or CloudFormation, you'll need to configure the proper permissions.

Target 1

Target types
Select an EventBridge event bus, EventBridge API destination (SaaS partner), or another AWS service as a target.

☐ EventBridge event bus
☐ EventBridge API destination
☒ AWS service

Select a target [Info](#)
Select target(s) to invoke when an event matches your event pattern or when schedule is triggered (limit of 5 targets per rule)

Lambda function

Function
salesAnalysisReport

► Configure version/alias

► Additional settings

Add another target Cancel Skip to Review and create Previous **Next**

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Create an EventBridge event (part 3/3), specifying the target of the event, which is the Lambda function.

aws

Services

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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

Documentation

Important Message

If you have existing cross account event bus targets that do not have an IAM role configured, we recommend adding IAM roles to grant users access to resources in another account and set organization boundaries using Service Control Policies (SCPs) to determine who can send and receive events from accounts in your organization. You can attach IAM roles using EventBridge `PutTarget` calls. To learn more about permissions for cross account event bus targets, please refer to our [documentation](#).

Amazon EventBridge > Rules > SalesReportRule

SalesReportRule

EditDisableDeleteCloudFormation Template

Rule details

Rule name	Status	Event bus name	Type
SalesReportRule	Enabled	default	Scheduled Standard
Description	Rule ARN	Event bus ARN	
Rule to send a daily sales report.	arn:aws:events:us-east-1:606463066839:rule/SalesReportRule	arn:aws:events:us-east-1:606463066839:event-bus/default	

Event schedule

TargetsMonitoringTags

Event schedule

Cron expression

40 4 * * *

Next 10 trigger date(s)

UTC

Tue, 18 Jul 2023 04:40:00 UTC
Wed, 19 Jul 2023 04:40:00 UTC
Thu, 20 Jul 2023 04:40:00 UTC
Fri, 21 Jul 2023 04:40:00 UTC
Sat, 22 Jul 2023 04:40:00 UTC
Sun, 23 Jul 2023 04:40:00 UTC
Mon, 24 Jul 2023 04:40:00 UTC
Tue, 25 Jul 2023 04:40:00 UTC

CloudShell

Feedback

Language

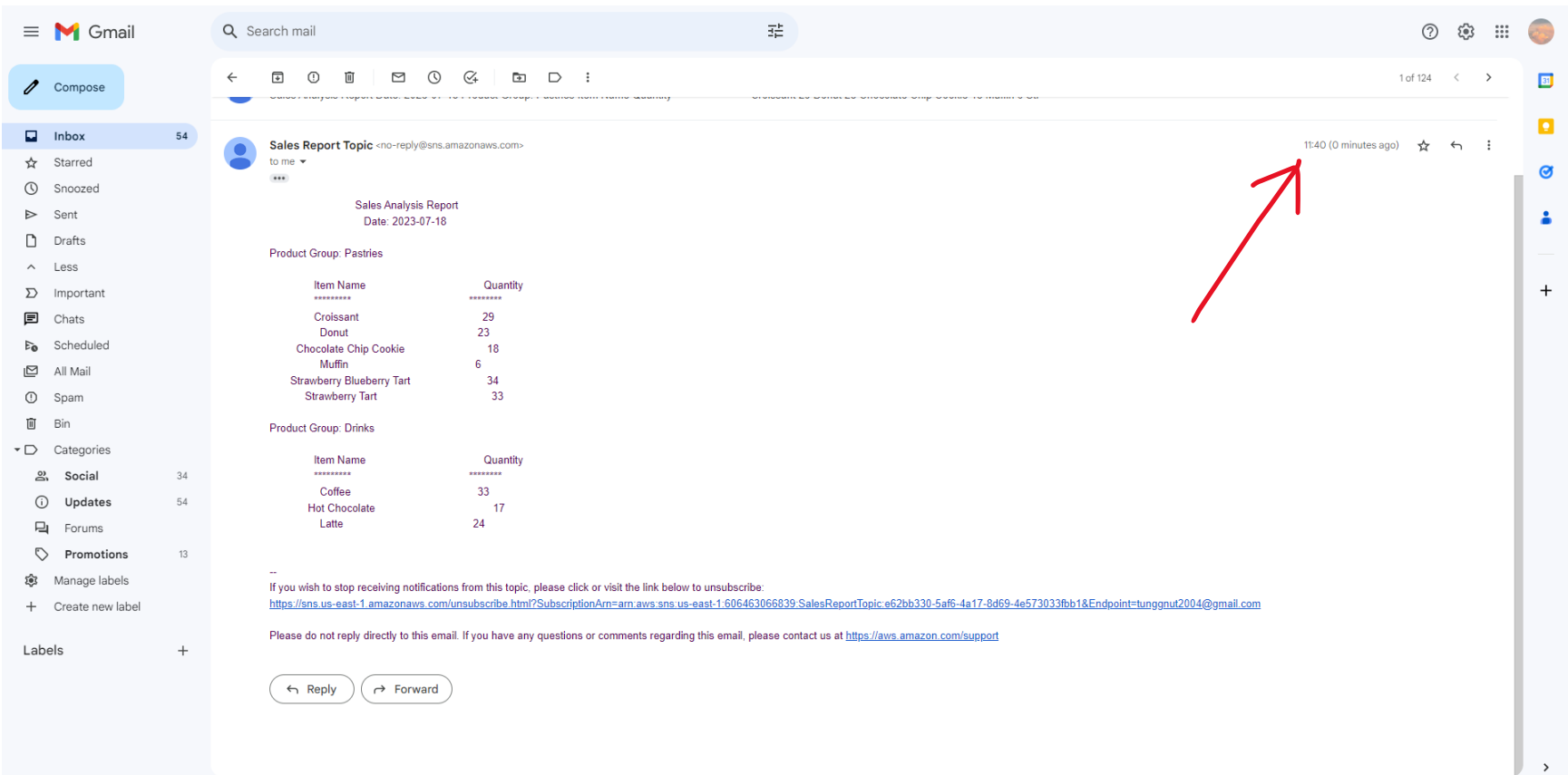
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The EventBridge event has been successfully created.



At 04:40 UTC (which is 11:40 GMT+7 in the email), the subscription email receives an email report as expected.