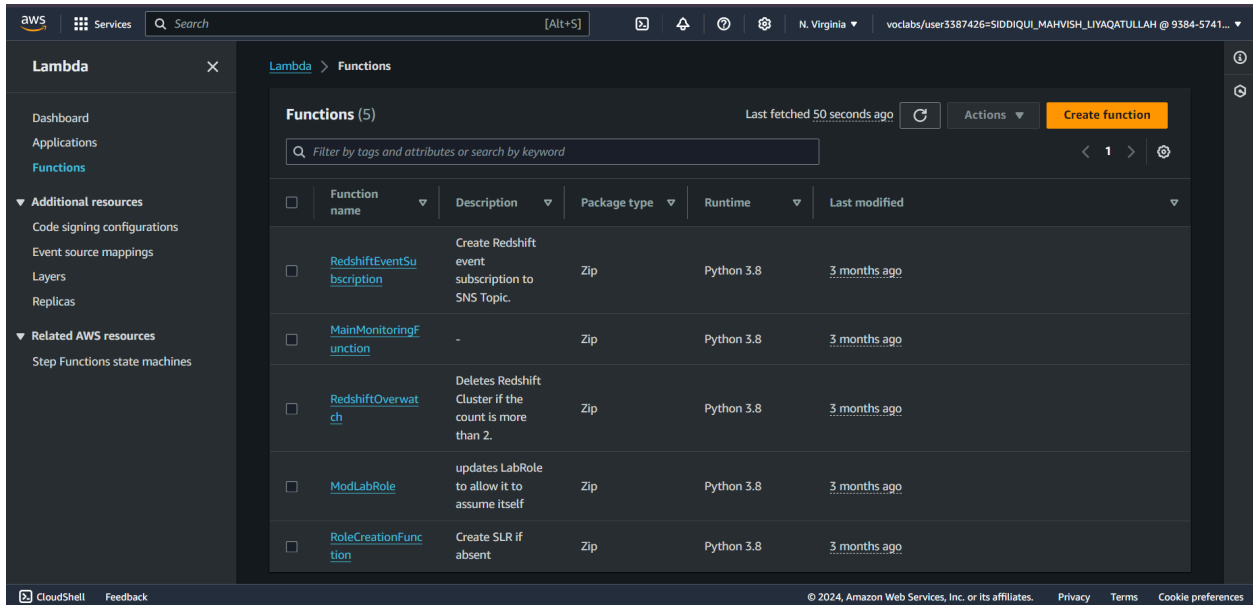
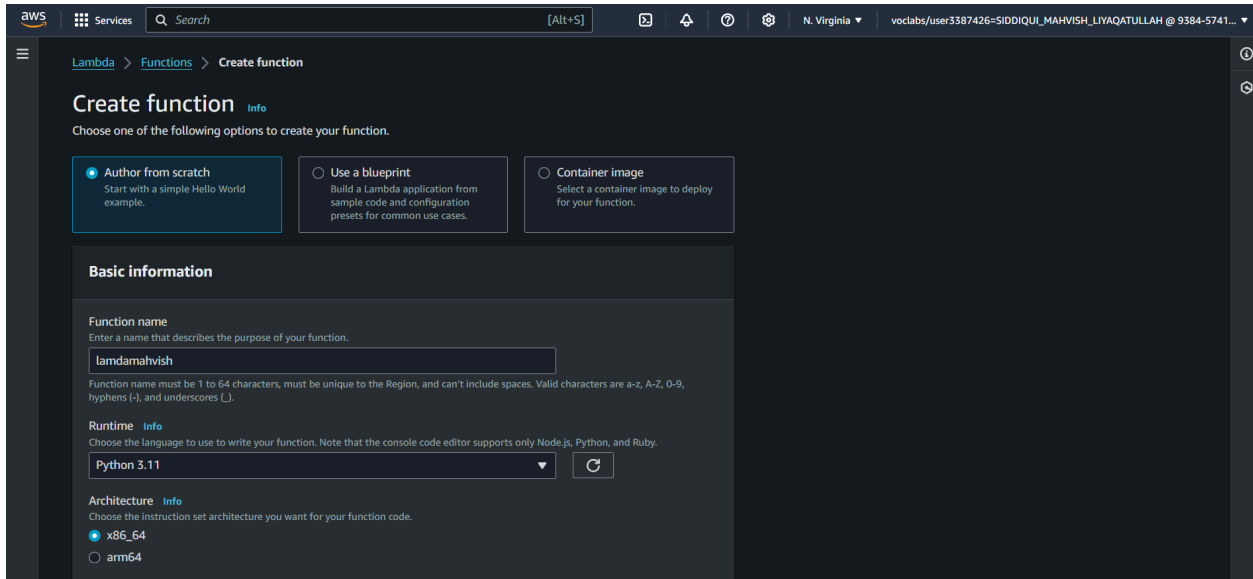


Experiment 11

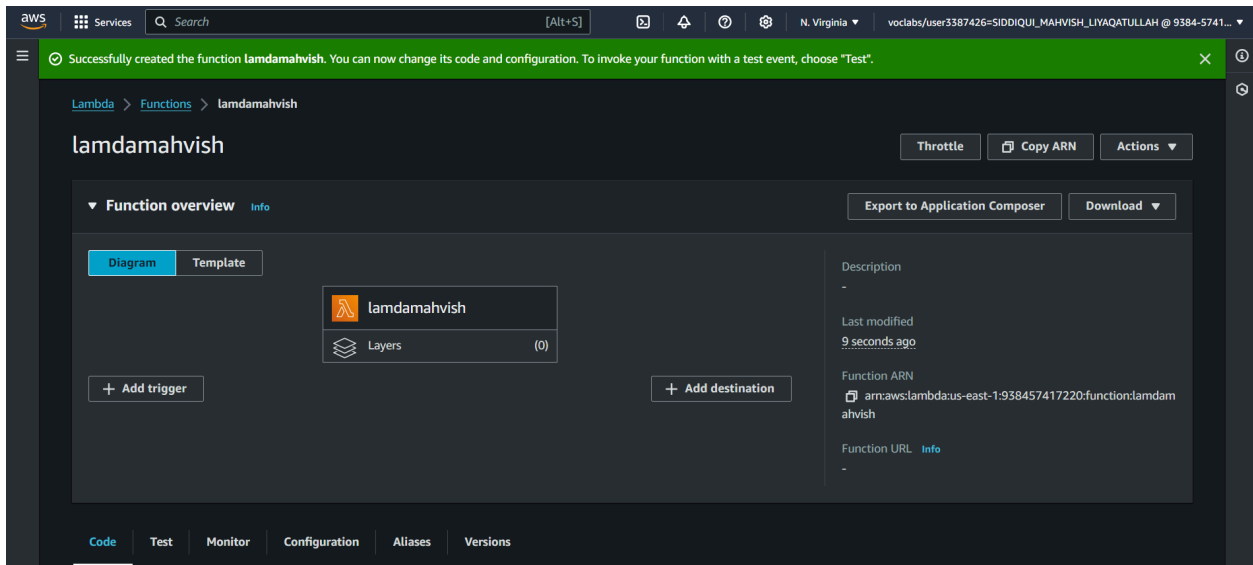
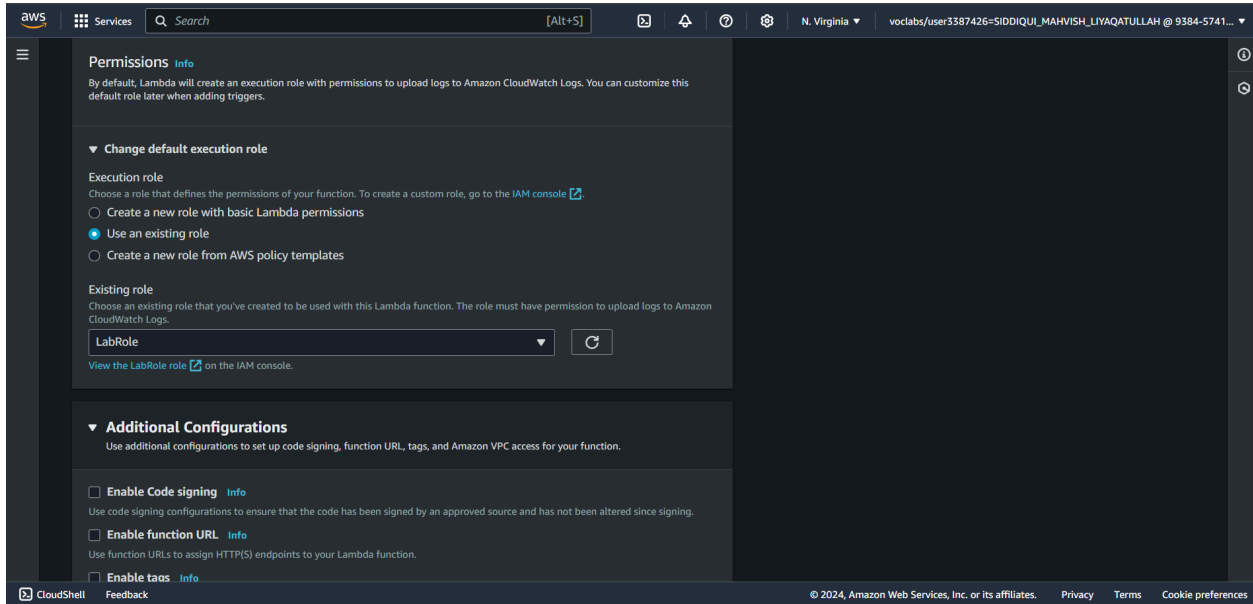
1. Go to your AWS account and search for Lamda

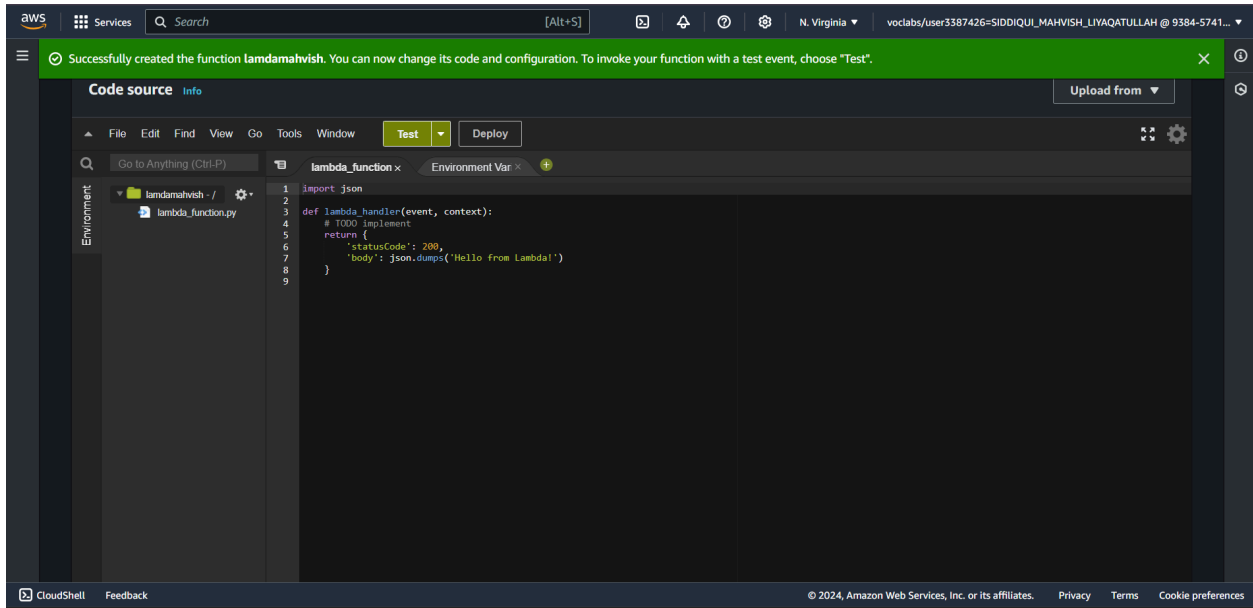


2. Create a new Lambda function

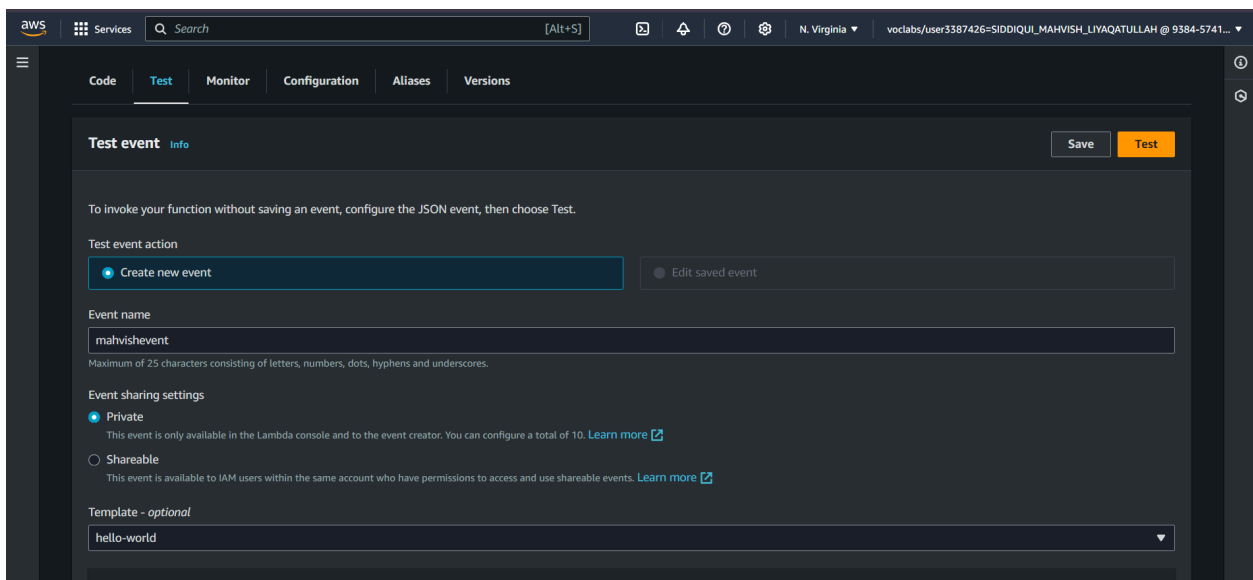


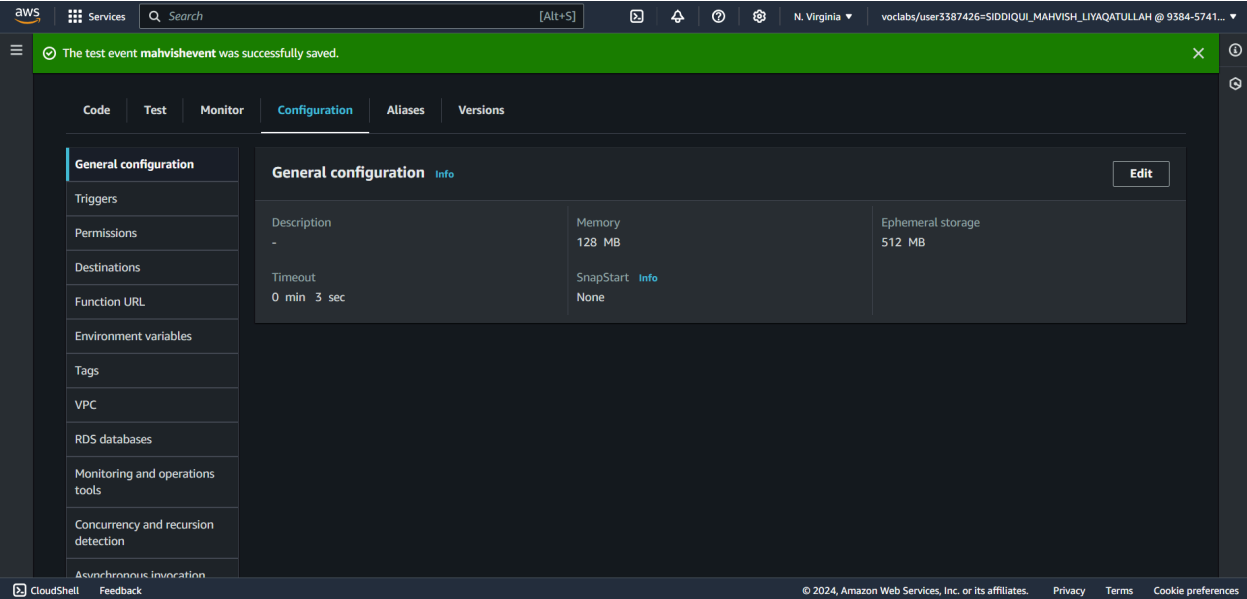
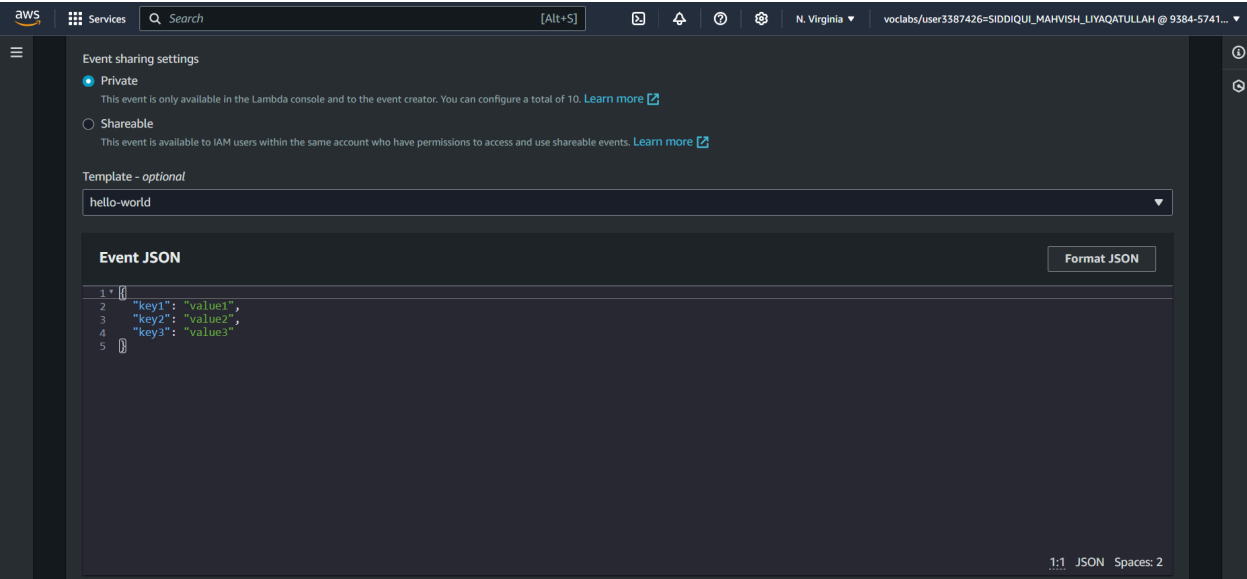
Use Labrole as user role.





3. Create a new test event and save it.





4. Change the basic settings

The screenshot shows the 'Edit basic settings' page for a Lambda function named 'lamdamahvish'. The page is divided into several sections:

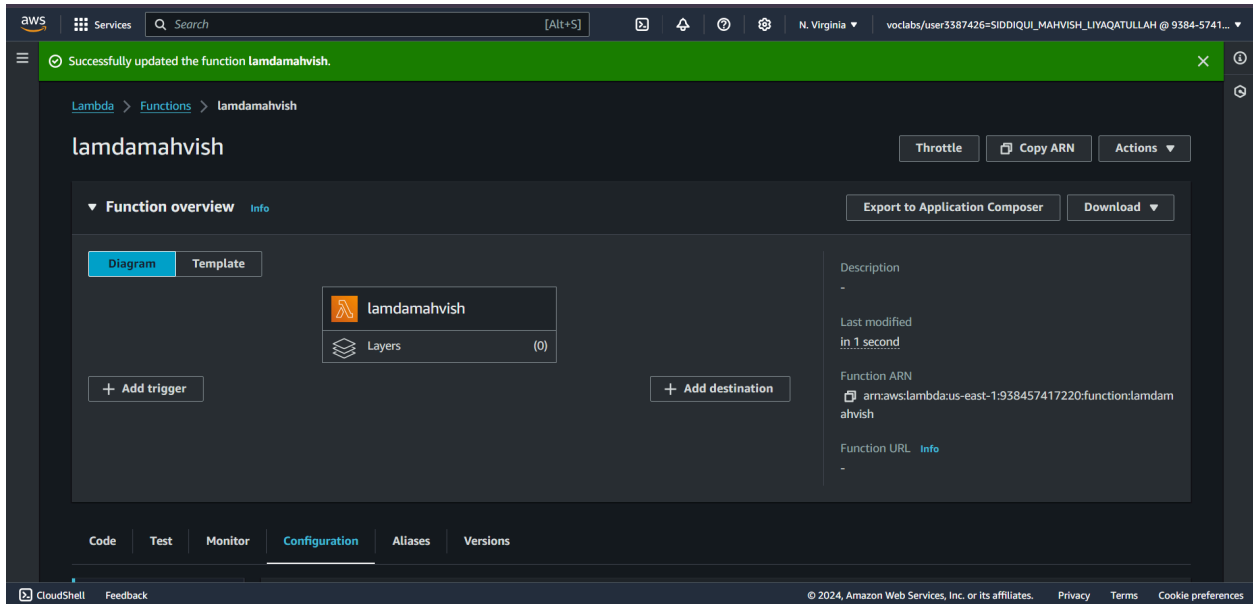
- Description - optional:** A text input field.
- Memory:** A dropdown menu set to '128' MB. Below it, text indicates 'Set memory to between 128 MB and 10240 MB'.
- Ephemeral storage:** A dropdown menu set to '512' MB. Below it, text indicates 'Set ephemeral storage (/tmp) to between 512 MB and 10240 MB'.
- SnapStart:** A dropdown menu set to 'None'. Below it, text indicates 'Supported runtimes: Java 11, Java 17, Java 21'.
- Timeout:** Two input fields for '0' min and '1' sec.

The bottom of the page features a footer with 'CloudShell', 'Feedback', and copyright information for Amazon Web Services, Inc. or its affiliates.

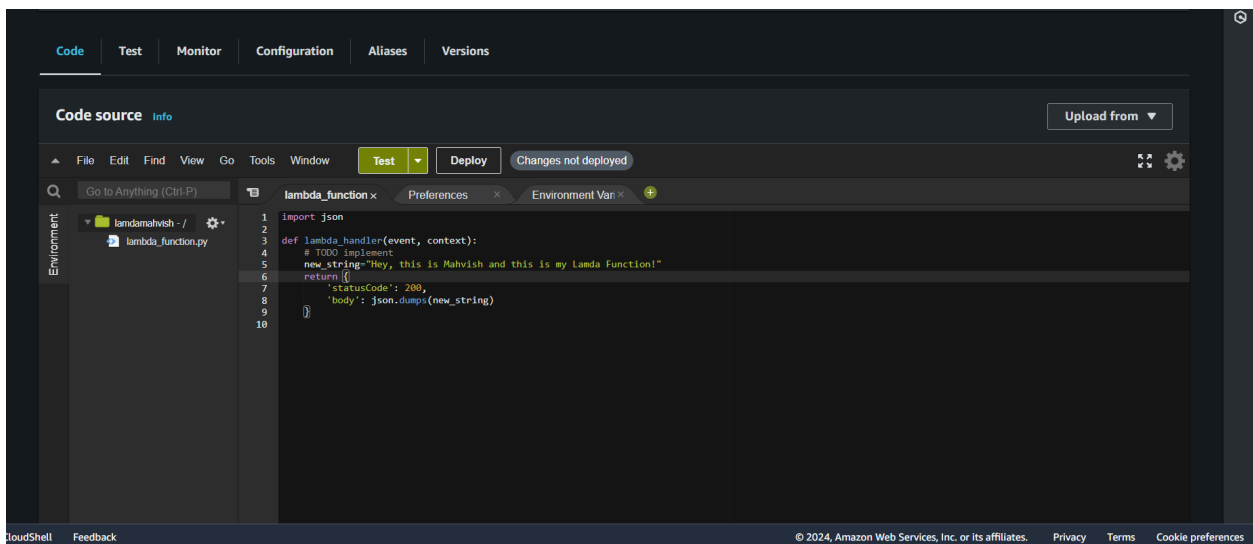
This screenshot shows the 'Execution role' section of the 'Edit basic settings' page. It includes:

- Execution role:** A section with the instruction 'Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console'. It has two radio buttons: 'Use an existing role' (selected) and 'Create a new role from AWS policy templates'.
- Existing role:** A section with the instruction '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.' It features a dropdown menu with the role 'c127334a3201310171615271w93845741722-LambdaSLRRole-aGRBklASAOxp' and a refresh icon.

At the bottom right, there are 'Cancel' and 'Save' buttons. The footer is identical to the previous screenshot.



5. Edit the code as required and ctrl+ s to save it. Click on Deploy



6. Create a new test and click on Test

The screenshot shows the AWS Lambda console interface. At the top, a green banner indicates 'Successfully updated the function lamdamahvish.' Below this, the 'Test event' configuration page is displayed. The page has a 'Save' button and a 'Test' button. The 'Test event action' section has two options: 'Create new event' (selected) and 'Edit saved event'. The 'Event name' field contains 'mytestevent' with a note: 'Maximum of 25 characters consisting of letters, numbers, dots, hyphens and underscores.' The 'Event sharing settings' section has two options: 'Private' (selected) and 'Shareable'. Below this is a 'Template - optional' dropdown menu. At the bottom, there is an 'Event JSON' section with a 'Format JSON' button. The footer of the console shows 'CloudShell', 'Feedback', and copyright information for Amazon Web Services, Inc. or its affiliates.

aws Services Search [Alt+S] N. Virginia voclabs/user3387426=SIDDQUI_MAHVISH_LIYAQATULLAH @ 9384-5741...

Successfully updated the function lamdamahvish.

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

mytestevent

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

Event JSON Format JSON

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The screenshot shows the AWS Lambda console interface after a successful test. A green banner at the top indicates 'Executing function: succeeded (logs)'. Below this, the 'Test event' configuration page is displayed, which is identical to the previous screenshot. The 'Test' button is now highlighted in orange. The footer of the console shows 'CloudShell', 'Feedback', and copyright information for Amazon Web Services, Inc. or its affiliates.

aws Services Search [Alt+S] N. Virginia voclabs/user3387426=SIDDQUI_MAHVISH_LIYAQATULLAH @ 9384-5741...

Successfully updated the function lamdamahvish.

Executing function: succeeded (logs)

Details

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

mytestevent

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

Event JSON Format JSON

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7. After this, the result can be seen

The screenshot displays the AWS Lambda console interface. At the top, a green banner indicates "Successfully updated the function lamdamahvish." Below this, a section titled "Executing function: succeeded (logs 2)" is expanded, showing the execution log. The log contains a JSON response: {"statusCode": 200, "body": "\"Hey, this is Mahvish and this is my Lambda Function!\""}.

Summary

Code SHA-256	Execution time
7JkNRZrVQlg0wLbQuZ2DZi3up0H1ou06cZvt6aKzc=	31 seconds ago
Request ID	Function version
4cf60215-7acb-4add-87a1-56f9f5a259ca	\$LATEST
Init duration	Duration
116.08 ms	16.71 ms
Billed duration	Resources configured
17 ms	128 MB
Max memory used	
33 MB	

Log output

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

```
START RequestId: 4cf60215-7acb-4add-87a1-56f9f5a259ca Version: $LATEST
END RequestId: 4cf60215-7acb-4add-87a1-56f9f5a259ca
REPORT RequestId: 4cf60215-7acb-4add-87a1-56f9f5a259ca Duration: 16.71 ms Billed Duration: 17 ms Memory Size: 128 MB Max Memory Used: 33 MB Init Duration: 116.08 ms
```