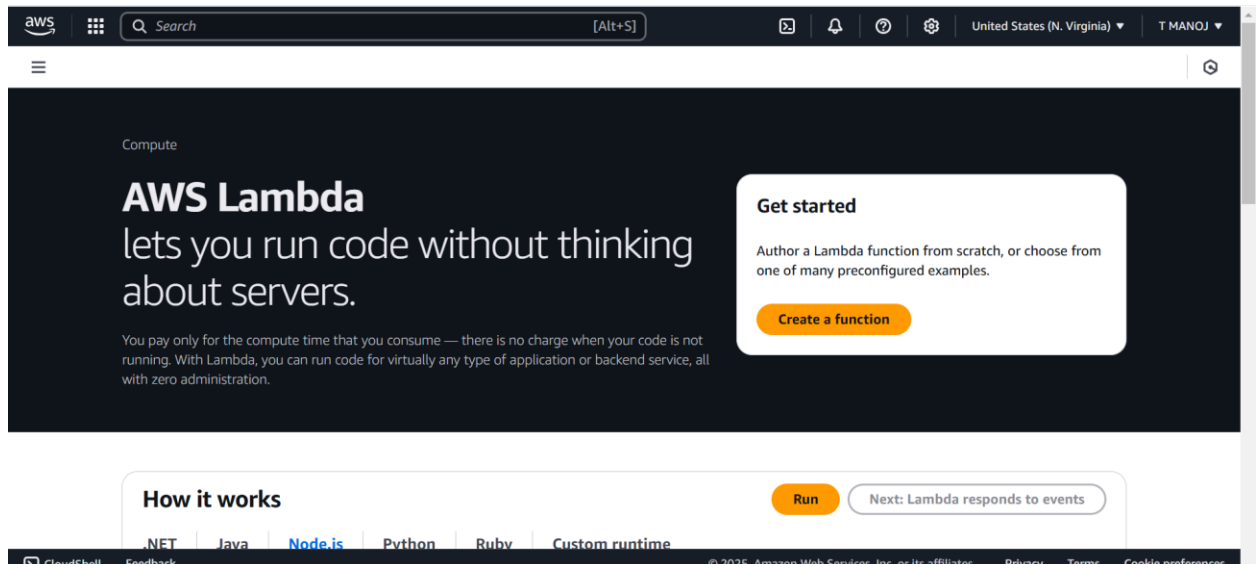


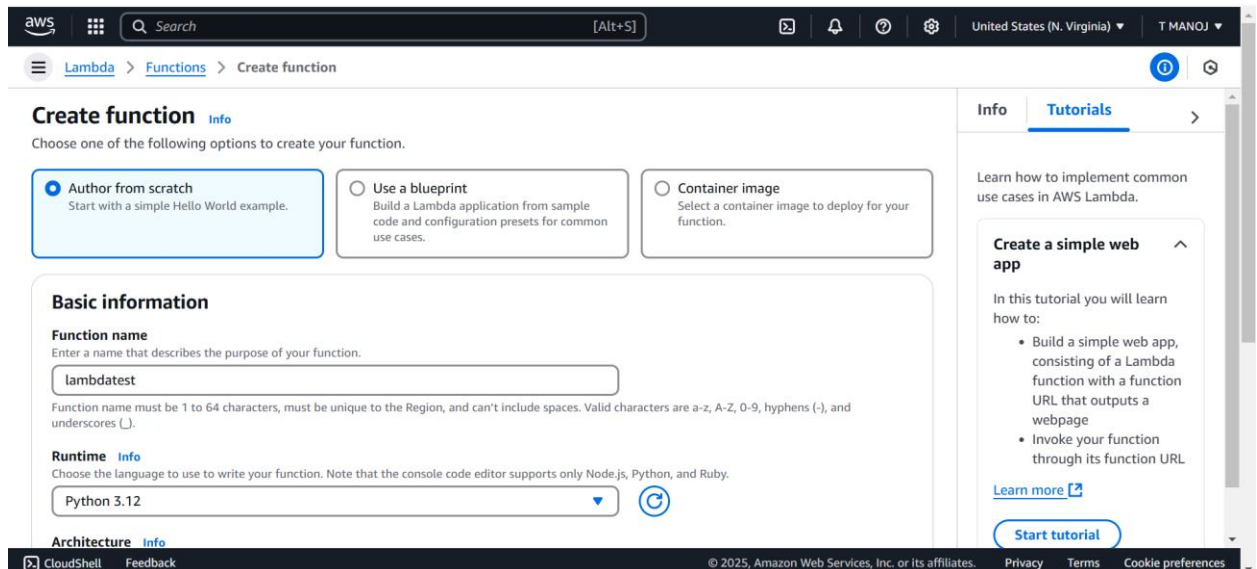
Steps to Create and Test a Lambda Function in AWS using Python

Name : T Manoj

1. Create an AWS Lambda function with Python as the runtime.



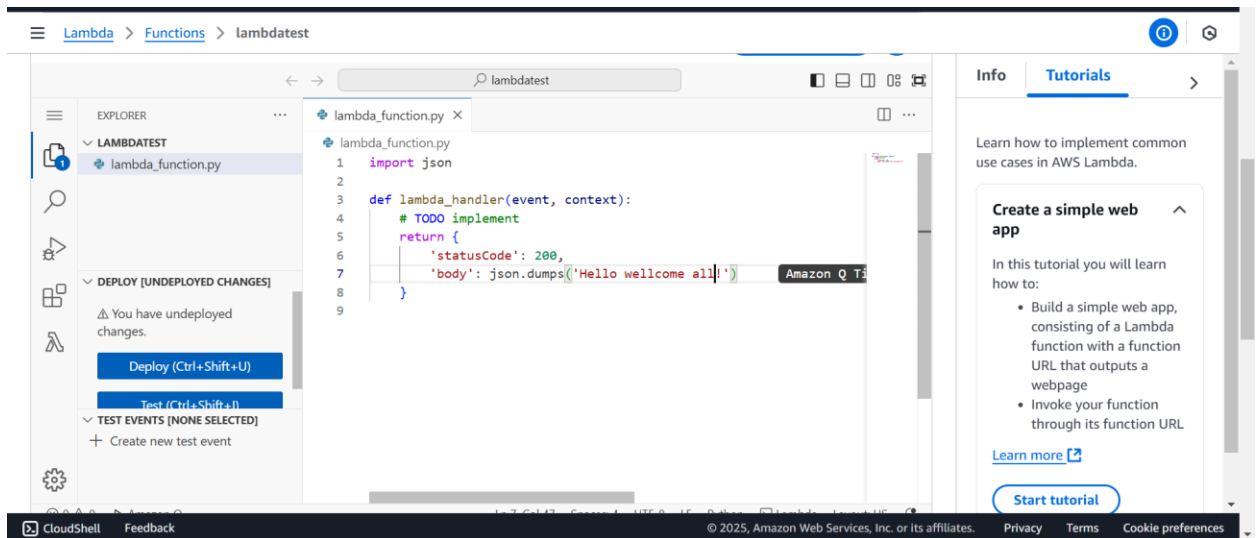
2. Choose "Create from scratch" and provide a function name.



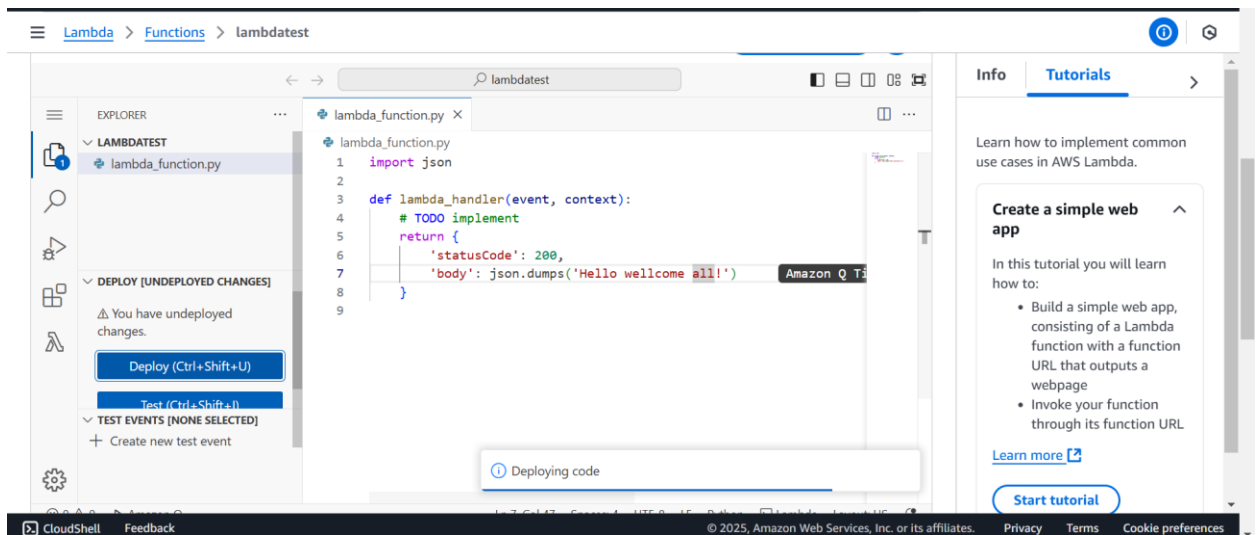
3. Select an execution role with necessary permissions (or create a new one).

The image displays two screenshots from the AWS management console. The top screenshot shows the 'LAMBDA-ROLE' page in the IAM console. The left sidebar contains the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, and Access reports. The main content area shows the 'LAMBDA-ROLE' summary, including its creation date (February 18, 2025, 15:22 UTC+05:30), ARN (arn:aws:iam::491085415620:role/LAMBDA-ROLE), and maximum session duration (1 hour). Below the summary are tabs for Permissions, Trust relationships, Tags, Last Accessed, and Revoke sessions. The 'Permissions policies' section indicates that up to 10 managed policies can be attached. The bottom screenshot shows the 'Create function' page in the AWS Lambda console. The left sidebar shows the 'Lambda > Functions > Create function' path. The main content area has a 'Change default execution role' section with three options: 'Create a new role with basic Lambda permissions', 'Use an existing role' (selected), and 'Create a new role from AWS policy templates'. The 'Existing role' dropdown is set to 'LAMBDA-ROLE'. Below this is the 'Additional Configurations' section. The right sidebar contains a 'Tutorials' section with a 'Create a simple web app' tutorial.

4. Write or upload the Python code for the function.



5. Deploy the Lambda function.



6. Create a test event with sample input data and Check the output and logs in the AWS Lambda console.

aws

Search

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T MANOJ

Lambda > Functions > lambdatest

EXPLORER

LAMBDATEST

lambda_function.py

DEPLOY

Deploy (Ctrl+Shift+U)

Test (Ctrl+Shift+I)

TEST EVENTS [SELECTED: PYTHONCODE]

+ Create new test event

+ Shareable saved events

Pythoncode

lambda_function.py

1 import json

PROBLEMS

OUTPUT

CODE REFERENCE LOG

TERMINAL

Execution Results

Test Event Name: Pythoncode

Response:

```
{
  "statusCode": 200,
  "body": "\\Hello wellcome all!\\\\"
}
```

Function Logs:

START RequestId: 06df75c4-64e8-4c42-979a-2312a4770726 Version: \$LATEST

END RequestId: 06df75c4-64e8-4c42-979a-2312a4770726

REPORT RequestId: 06df75c4-64e8-4c42-979a-2312a4770726 Duration: 2.17 ms Billed Duration: 3 ms Memory Size: 128 MB Max Memory Used: 32 MB Init Duration: 95.44 ms

Request ID: 06df75c4-64e8-4c42-979a-2312a4770726

Ln 9, Col 1

Spaces: 4

UTF-8

LF

Python

Lambda

Layout: US

CloudShell

Feedback

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