

# CLOUD MANAGEMENT

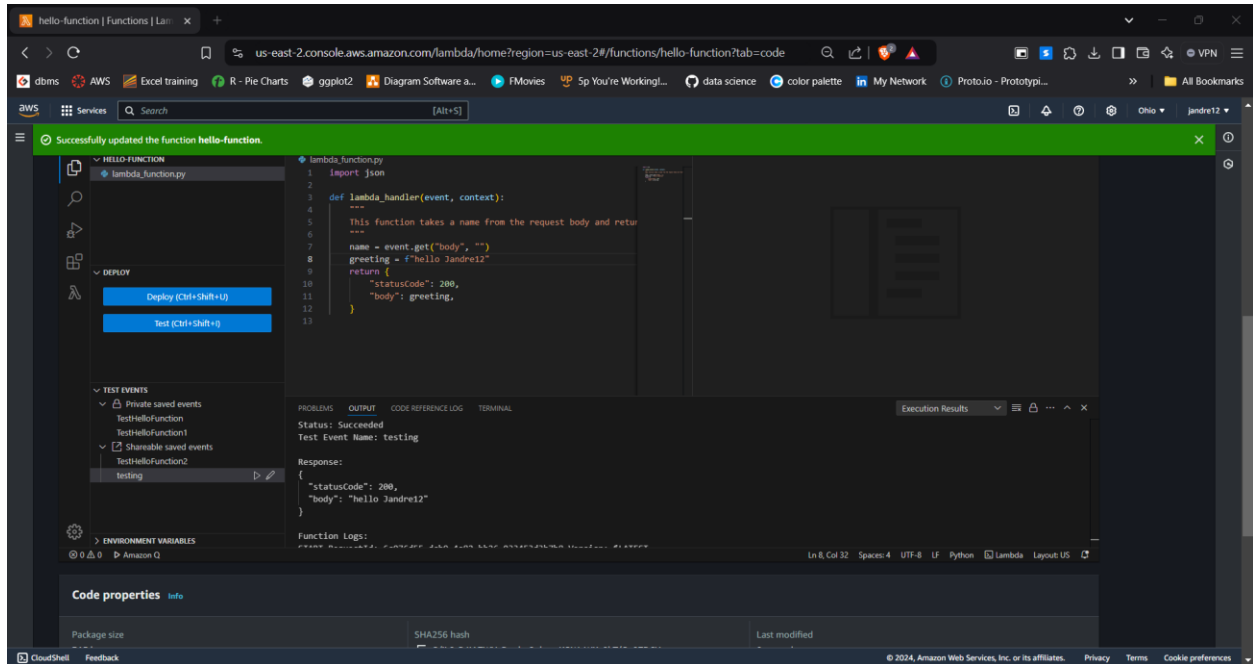
LAB #6 - AWS LAMBDA - SERVERLESS COMPUTING

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## LAB REPORT:

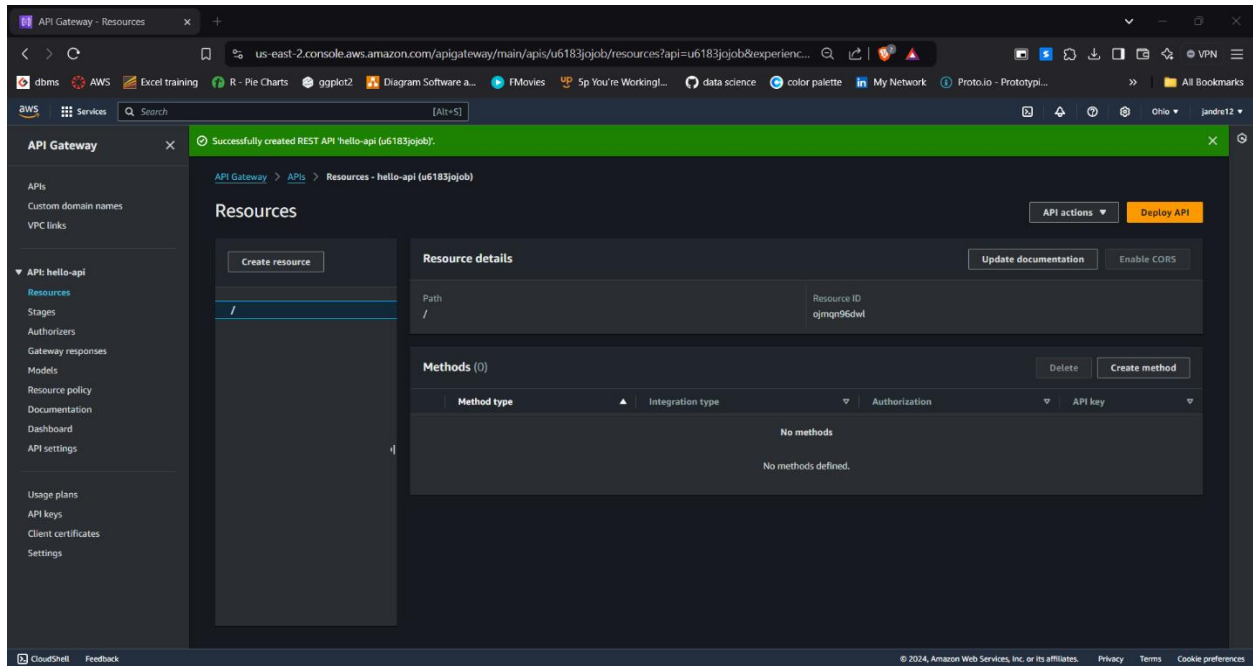
### SS01: Successful deployment of the Lambda function

This screenshot verifies that the Lambda function (hello-function) has been created and deployed without any undeployed changes.



## SS02: Successful creation of the API Gateway

This screenshot confirms that a new REST API (hello-api) has been created with the appropriate settings.



## SS03: Proper integration of the API Gateway with the Lambda function

This screenshot demonstrates that you have successfully configured the /hello resource and the ANY method to invoke the Lambda function (hello-function).

The screenshot shows the AWS API Gateway console interface. A green notification banner at the top states: "Successfully created method 'ANY' in 'hello'. Redeploy your API for the update to take effect." The breadcrumb navigation is "API Gateway > APIs > Resources - hello-api (u6183j0job)".

The left sidebar shows the navigation menu with "API Gateway" selected. Under "API Gateway", the "Resources" section is expanded, showing a tree structure with "/" and "/hello". The "/hello" resource is selected, and the "ANY" method is highlighted under the "OPTIONS" tab.

The main content area displays the configuration for the "/hello - ANY - Method execution". It includes a diagram showing the flow from a "Client" to a "Method request", then to an "Integration request", which is processed by the "Lambda integration" (represented by a Lambda icon). The flow continues from the "Integration response" back to the "Method response" and finally to the "Client".

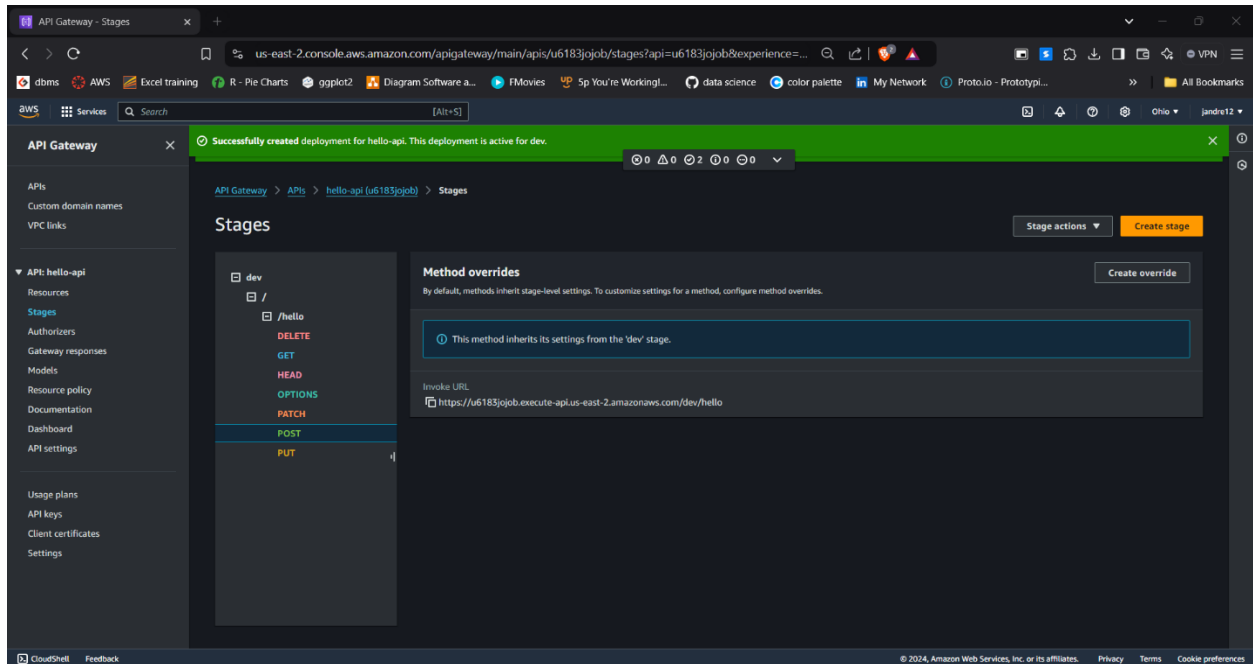
Below the diagram, the "Method request settings" are displayed in a table:

Method request settings	
Authorization	NONE
Request validator	None
API key required	False
SDK operation name	Generated based on method and path

Buttons for "Update documentation", "Delete", and "Edit" are visible. The footer of the console shows the copyright notice: "© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences".

## SS04: Correct deployment of the API Gateway with a visible Invoke URL for testing

This screenshot provides the Invoke URL for testing the API, confirming that the API has been deployed to a specific stage (e.g., dev).



## SS05: Verification that the API Gateway returns the expected output when tested with Postman

This screenshot demonstrates that the API is functioning correctly and returning the expected output from the Lambda function.

