

## ADC TEAM NO 14

### Agricultural products Rural Entrepreneurship Management System

Link agricultural products to global buyers. Making Agriculture attractive for Rural Youth by using Technology. Utilization and value addition in farm waste or by-products into value added products for urban markets. Agricultural product based value-added projects for promoting rural entrepreneurship.

#### TEAM MEMBERS

ID	NAME
2000030914	J.SASI PRIYANKA
2000030917	SAI VARA PRASAD
2000030931	SHESAMSETTI.VAMSI

IAM Management Console    Functions - Lambda    Service | Amazon DynamoDB    API Gateway

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Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

Users

**Roles**

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analyzers

Settings

Credential report

Organization activity

Service control policies (SCPs)

IAM > Roles > Create role

Step 1 Select trusted entity

Step 2 Add permissions

Step 3 Name, review, and create

Select trusted entity

Trusted entity type

AWS service Allow AWS services like EC2, Lambda, or others to perform actions in this account.

AWS account Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.

Web identity Allows users federated by the specified external web identity provider to sign in and to perform actions in this account.

SAML 2.0 federation Allows users federated with SAML 2.0 from a corporate directory to perform actions in this account.

Custom trust policy Create a custom trust policy to enable others to perform actions in this account.

Use case

Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

Common use cases

EC2 Allows EC2 instances to call AWS services on your behalf.

Lambda Allows Lambda functions to call AWS services on your behalf.

Use cases for other AWS services:

Choose a service to view use case

Account ID: 9020-2894-1570

Account Organization Service Quotas Billing Dashboard Security credentials Settings Sign out

Activate Windows Go to Settings to activate Windows.

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Service control policies (SCPs)

IAM > Roles > Create role

Step 1 Select trusted entity

Step 2 Add permissions

Step 3 Name, review, and create

Add permissions

Permissions policies (Selected 1/768)

Choose one or more policies to attach to your new role.

Filter policies by property or policy name and press enter

Dynamodb

Clear filters

Policy name	Type	Description
<input checked="" type="checkbox"/> AmazonDynamoDBFullAccess	AWS m...	Provides full access to Amazon DynamoDB.
<input type="checkbox"/> AWSLambdaDynamoDBExecutiveAccess	AWS m...	Provides list and read access to DynamoDB streams.
<input type="checkbox"/> AmazonDynamoDBReadOnlyAccess	AWS m...	Provides read only access to Amazon DynamoDB.
<input type="checkbox"/> AWSLambdaInvocation-DynamoDB	AWS m...	Provides read access to DynamoDB Streams.

Set permissions boundary - optional

Select a permissions boundary to control the maximum permissions this role can have. This is not a common setting, but it can be useful to delegate permission management to others.

Go to Settings to activate Windows.

Account ID: 9020-2894-1570

Account Organization Service Quotas Billing Dashboard Security credentials Settings Sign out

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19:48 22-07-2022 ENG

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19:50 22-07-2022 ENG

**IAM Management Console** > **Roles** > Create role

**Name, review, and create**

**Role details**

**Role name:** lambda\_dynamodb\_role\_July22

**Description:** Allows Lambda functions to call AWS services on your behalf.

**Step 1: Select trusted entities**

**Table details**

**Table name:** agriculturalproduct

**Partition key:** pid

**Sort key - optional:** pname

**Table details**

**Table name:** stock

**Partition key:** sid

**Sort key - optional:** sname

The stock table was created successfully.

DynamoDB

Tables (2) Info

Name	Status	Partition key	Sort key	Indexes	Read capacity mode	Write capacity mode
agriculturalproduct	Active	pid (N)	pname (\$)	0	Provisioned with auto scaling (5)	Provisioned with auto scaling (5)
stock	Active	sid (N)	sname (\$)	0	Provisioned with auto scaling (5)	Provisioned with auto scaling (5)

IAM Management Console | Lambda | List tables | Amazon DynamoDB | API Gateway

Lambda > Functions > Create function

### Create function

Choose one of the following options to create your function.

- Author from scratch
- Use a blueprint
- Container image

Blueprints (1/46)

hello
hello-world

hello-world-python

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IAM Management Console | Lambda | List tables | Amazon DynamoDB | API Gateway

Lambda > Functions > Create function > Configure blueprint hello-world-python

### Basic information

Function name: lambda\_july22

Execution role:

- Create a new role with basic Lambda permissions
- Use an existing role
- Create a new role from AWS policy templates

Existing role:

lambda\_dynamodb\_role\_july22

View the lambda\_dynamodb\_role\_july22 role on the IAM console.

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20:05 22-07-2022

The screenshot shows the AWS Lambda Management Console. The left sidebar lists the function: `lambda_function` under the `lambda_july22` layer. The main area displays the Python code for the function:

```
1 import json
2 import boto3
3
4 database=boto3.resource('dynamodb')
5 table=database.Table('agriculturalproduct')
6
7 def lambda_handler(event,context):
8     table.put_item(Item=event)
9     response={
10         'statusCode':200,
11         'body':'created an item successfully'
12     }
13     return response
```

The right sidebar shows account details: Account ID: 9020-2894-1570, Ohio region, and a sign-out button.

The screenshot shows the AWS Lambda Management Console with the "Test event action" tab selected. It is set to "Create new event". The event name is "event". Under "Event sharing settings", "Private" is selected. The "Template - optional" dropdown contains "hello-world". The "Event JSON" section shows the following JSON code:

```
1 = {
2   "pid": 101,
3   "pname": "Rice"
4 }
```

The status bar at the bottom indicates the date and time: 22-07-2022 20:15.

The screenshot shows the AWS Lambda console interface. On the left, there's a sidebar with 'Environment' selected. The main area displays a 'Code source' section with an 'Info' link. Below it is a navigation bar with 'File', 'Edit', 'Find', 'View', 'Go', 'Tools', 'Window', 'Test' (which is currently selected), and 'Deploy'. A search bar at the top says 'Search for services, features, blogs, docs, and more'. To the right of the search bar is a status indicator [Alt+S]. The main content area shows an 'Execution result' tab with a green status icon. It lists a 'Test Event Name' as '(unresolved) test event'. The 'Response' section contains a JSON object with a statusCode of 200 and a body of "created an item successfully". The 'Function Logs' section shows log entries for a Lambda function named 'lambda\_function'. The logs include 'START', 'END', and 'REPORT' events. The 'Request ID' is listed as f44c9453-81d9-44c0-98e2-de3875a01077. The right sidebar includes links for 'Account', 'Organization', 'Service Quotas', 'Billing Dashboard', 'Security credentials', and 'Settings'. At the bottom right of the sidebar is a 'Sign out' button.

The screenshot shows the AWS API Gateway console. On the left, there's a sidebar with 'APIs' selected. The main area displays a 'REST API' section with a 'Build' button. Below it is a detailed description: 'Develop a REST API where you gain complete control over the request and response along with API management capabilities.' It notes that it works with Lambda, HTTP, and AWS Services. There are 'Import' and 'Build' buttons. Below this is a 'REST API Private' section with a similar description and 'Import' and 'Build' buttons. The right sidebar includes links for 'Account', 'Organization', 'Service Quotas', 'Billing Dashboard', 'Security credentials', and 'Settings'. At the bottom right of the sidebar is a 'Sign out' button. The bottom of the screen shows a Windows taskbar with various pinned icons and a system tray indicating the date and time as 22-07-2022.

The screenshot shows the AWS Lambda console interface. At the top, there are tabs for 'Lambda Management Console', 'lambda\_july22 - Lambda', 'List tables | Amazon DynamoDB', and 'API Gateway'. Below the tabs, the URL is [us-east-2.console.aws.amazon.com/apigateway/home?region=us-east-2#/apis/create](https://us-east-2.console.aws.amazon.com/apigateway/home?region=us-east-2#/apis/create). The main content area shows the creation of a new API. It asks to choose a protocol (REST is selected), then creates a new API named 'restapi\_july22'. The 'Settings' section allows setting a friendly name and description, and choosing an endpoint type (Regional). On the right, a sidebar lists account information (Account ID: 9020-2894-1570) and navigation links for Account, Organization, Service Quotas, Billing Dashboard, Security credentials, and Settings. A 'Sign out' button is at the bottom right.

The screenshot shows the AWS API Gateway console. The URL is [https://us-east-2.console.aws.amazon.com/apigateway/apis/resources/Create?resourceId=y0ohknka4j&methodPath=%2F%28y8g3nxvfl%29](https://us-east-2.console.aws.amazon.com/apigateway/apis/resources>Create?resourceId=y0ohknka4j&methodPath=%2F%28y8g3nxvfl%29). The left sidebar shows the 'APIs' section with 'API: restapi\_july22' selected. Under 'Resources', it shows a single resource path '/(y8g3nxvfl)'. The main content area is titled 'New Child Resource' and asks to 'Configure as proxy resource'. It has fields for 'Resource Name\*' (set to 'agriculturalproduct') and 'Resource Path\*' (set to '/agriculturalproduct'). A note explains that you can add path parameters using brackets. The 'Enable API Gateway CORS' checkbox is unchecked. The right sidebar is identical to the one in the previous screenshot, showing account information and navigation links.

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Amazon API Gateway APIs > restapi\_july22 (yyohknka4j) > Resources > /agriculturalproduct (odm60o) > POST Show all hints ?

APIs Resources Actions / /agriculturalproduct - POST - Setup

Custom Domain Names VPC Links

API: restapi\_july22 Resources Stages Authorizers Gateway Responses Models Resource Policy Documentation Dashboard

Choose the integration point for your new method.

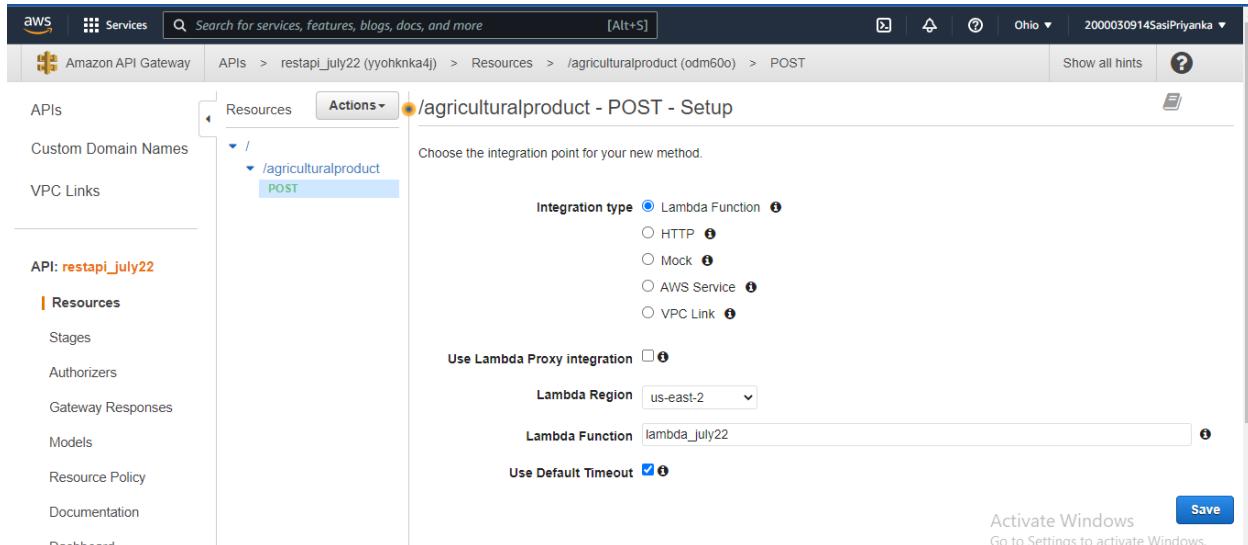
Integration type  Lambda Function  HTTP  Mock  AWS Service  VPC Link

Use Lambda Proxy integration

Lambda Region us-east-2 Lambda Function lambda\_july22

Use Default Timeout

Save Activate Windows Go to Settings to activate Windows.



IAM Management Console x A lambda\_july22 - Lambda x List tables | Amazon DynamoDB x API Gateway x +

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AWS Services Search for services, features, blogs, docs, and more [Alt+S]

Amazon API Gateway APIs > restapi\_july22 (yyohknka4j) > Resources > /agriculturalproduct (odm60o) > POST

APIs Resources Actions / /agriculturalproduct - POST - Method Execution

Custom Domain Names VPC Links

API: restapi\_july22 Resources Stages Authorizers Gateway Responses Models Resource Policy Documentation Dashboard

Client TEST Method Request Auth: NONE ARN: arn:aws:execute-api:us-east-2:902028941570:yyohknka4j/POST

Method Response HTTP Status: 200 Models: application/json => Empty

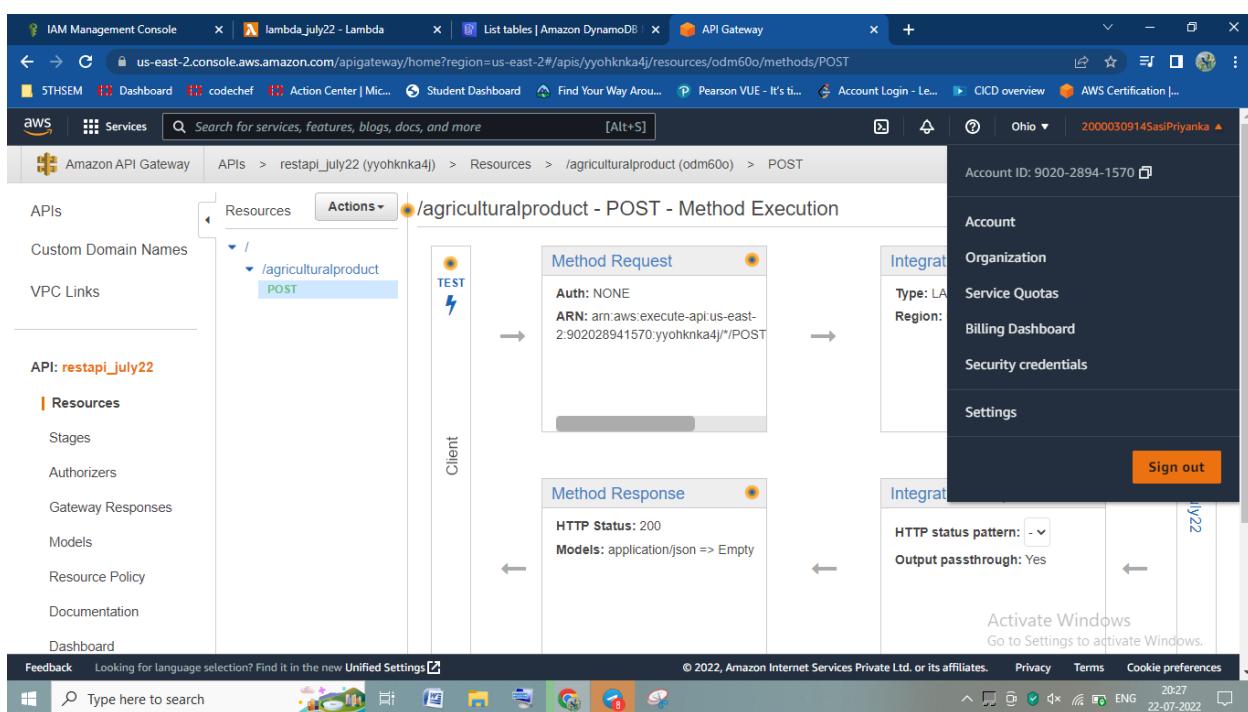
Integrations Type: Lambda Region: us-east-2

Integrations HTTP status pattern: - Output passthrough: Yes

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Screenshot of the AWS Lambda console showing the configuration for a POST method named 'POST' under the '/agriculturalproduct' resource path. The 'Request Body' section contains the following JSON payload:

```

1  [
2   {
3     "pid":102,
4     "pname":"groundnut",
5     "pcost":300,
6     "utilization/day":1000,
7     "byproduct":"peanutmeal"

```

The 'Response Body' section shows a successful response with status code 200 and body: "created an item successfully". The 'Logs' section displays execution logs for the request.

Screenshot of the AWS API Gateway console showing the deployment of the 'restapi\_july22' API. A modal window titled 'Deploy API' is open, prompting the user to choose a stage for deployment. The 'Deployment stage' dropdown is set to '[New Stage]' and the 'Stage name\*' input field is filled with 'DevelopmentStage-1'. The 'Deploy' button is visible at the bottom right of the modal.

Screenshot of the AWS API Gateway console showing the configuration for the 'DevelopmentStage-1' stage. The 'POST' method under the '/agriculturalproduct' resource path is selected. The 'Invoke URL' is shown as <https://yyohlnka4j.execute-api.us-east-2.amazonaws.com/DevelopmentStage-1/agriculturalproduct>. The 'Settings' section includes options for 'Inherit from stage' (selected) and 'Override for this method'.

POST https://yyohknka4j.execute-api.us-east-2.amazonaws.com/DevelopmentStage-1/agricultural

```
1 ... "pid":103,
2 ... "name":"wheat",
3 ... "pcost":499,
4 ... "utilization/day":500,
5 ... "byproduct":"Hardredwinter"
6 ...
7 ...
```

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize JSON

Status: 200 OK Time: 1667 ms Size: 350 B Save Response

The screenshot shows the AWS DynamoDB console interface. On the left, the navigation bar includes links for IAM Management Console, lambda\_july22 - Lambda, Items | Amazon DynamoDB Man., API Gateway, 5THSEM, Dashboard, codechef, Action Center | Mic..., Student Dashboard, Find Your Way Arou..., Pearson VUE - It's ti..., Account Login - Le..., CICD overview, and AWS Certification J... . The main menu has 'Services' selected, and the search bar contains 'Search for services, features, blogs, docs, and more [Alt+S]'. The left sidebar shows 'DynamoDB' selected, with options for Dashboard, Tables, Update settings, Explore items (which is highlighted in orange), PartQL editor (New), Backups, Exports to S3, Reserved capacity, and Settings (New). Below this is a 'DAX' section with Clusters, Subnet groups, Parameter groups, and Events.

The main content area displays the 'agriculturalproduct' table. At the top, there are tabs for Scan and Query, with 'Scan' selected. The search bar shows 'agriculturalproduct'. Below the search bar are 'Filters' and 'Run' and 'Reset' buttons. The results section shows a green 'Completed' status with 'Read capacity units consumed: 0.5'. The 'Items returned (3)' section lists three items:

	pid	pname	byproduct	pcost	putilizat
<input type="checkbox"/>	102	groundnut	peanutmeal	300	1000
<input type="checkbox"/>	103	wheat	Hardredwin...	499	500
<input type="checkbox"/>	101	Rice			

A context menu is open over the first item (pid 102), showing options like 'Edit', 'Delete', 'Copy', 'Share', and 'Actions'. A tooltip 'Activate Windows' with the message 'Go to settings to activate Windows.' is visible at the bottom right.

Successfully updated the function lambda\_july22.

Code source Info

File Edit Find View Go Tools Window Test Deploy

lambda\_function

```
1 import json
2 import boto3
3
4 database=boto3.resource('dynamodb')
5 table=database.Table("agriculturalproduct")
6
7 def lambda_handler(event,context):
8     table.delete_item(Key=event)
9     response={
10         'statusCode':200,
11         'body':'deleted an item successfully'
12     }
13     return response
```

Successfully updated the function lambda\_july22.

Code source Info

File Edit Find View Go Tools Window Test Deploy

lambda\_function

Execution result

Execution results

Test Event Name (unsaved) test event Status: Succeeded

Response

```
[{"statusCode": 200, "body": "deleted an item successfully"}]
```

Function Logs

```
START RequestId: 7c0d59a7-30df-4a1d-b67d-a9d0bf0445af Version: $LATEST
END RequestId: 7c0d59a7-30df-4a1d-b67d-a9d0bf0445af
REPORT RequestId: 7c0d59a7-30df-4a1d-b67d-a9d0bf0445af Duration: 186.82 ms Billed Duration: 187 ms Memory Size: 128 MB Max M
```

Request ID

```
7c0d59a7-30df-4a1d-b67d-a9d0bf0445af
```

Account ID: 9020-2894-1570

Account Organization Service Quotas Billing Dashboard Security credentials Settings Sign out

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Screenshot of the AWS API Gateway setup for the PUT method of the /agriculturalproduct resource.

**Integration type:** Lambda Function

**Lambda Region:** us-east-2

**Lambda Function:** lambda\_july22

**Use Default Timeout:** Checked

**Save:** Button at the bottom right.

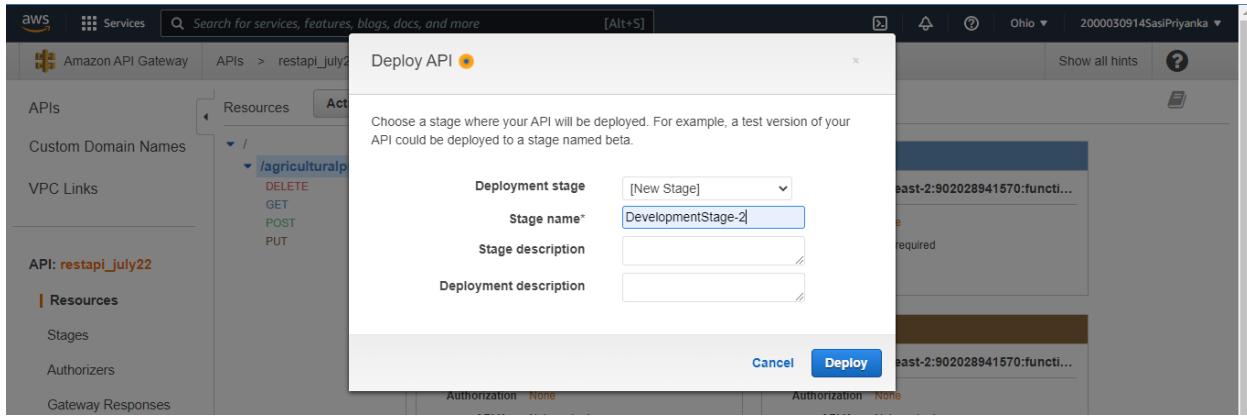
Screenshot of the AWS API Gateway Methods page for the /agriculturalproduct resource.

**DELETE:** arn:aws:lambda:us-east-2:902028941570:function...  
Authorization: None  
API Key: Not required

**GET:** arn:aws:lambda:us-east-2:902028941570:function...  
Authorization: None  
API Key: Not required

**POST:** arn:aws:lambda:us-east-2:902028941570:function...  
Authorization: None  
API Key: Not required

**PUT:** arn:aws:lambda:us-east-2:902028941570:function...  
Authorization: None  
API Key: Not required



The screenshot shows the 'DevelopmentStage-2 - DELETE - /agriculturalproduct' configuration page. The URL is <https://yohknka4j.execute-api.us-east-2.amazonaws.com/DevelopmentStage-2/agriculturalproduct>. A context menu is open over the 'DELETE' method, with the 'Copy link address' option highlighted.

The page includes the following sections:

- Invoke URL:** <https://yohknka4j.execute-api.us-east-2.amazonaws.com/DevelopmentStage-2/agriculturalproduct>
- Settings:** Radio buttons for 'Inherit from stage' (selected) and 'Override for this method'.
- Buttons:** 'Save Changes' and 'Inspect'.

The left sidebar shows the API structure: API: restapi\_july22, Resources, Stages (selected), Authorizers, Gateway Responses, Models, Resource Policy, Documentation, and Dashboard.

**Postman**

File Edit View Help

Home Workspaces API Network Reports Explore Search Postman

My Workspace New Import Overview https://yohknka4j.execute-api.us-east-2.amazonaws.com/Development

DELETE https://yohknka4j.execute-api.us-east-2.amazonaws.com/Development

Params Authorization Headers (9) Body Pre-request Script

none form-data x-www-form-urlencoded raw binary

1 2 3 4 "pid":101, "pname":"rice"

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize JSON

200 OK 876 ms 350 B Save Response

Create a collection for your requests

A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Create collection

Account Settings Active Sessions Sign Out Add a new account

Send Cookies Beautify

View Profile

h2000030914 2000030914@kluniversity.in

Add a new account

Activate Windows Go to Settings to activate Windows.

Find and Replace Console Cookies Capture requests Bootcamp Runner Trash

Type here to search

Windows Taskbar: Find and Replace, Console, Cookies, Capture requests, Bootcamp, Runner, Trash, 20:55, 22-07-2022

IAM Management Console lambda\_july22 - Lambda Items | Amazon DynamoDB Man API Gateway

us-east-2.console.aws.amazon.com/dynamodbv2/home?region=us-east-2#item-explorer?initialTagKey=&maximize=true&table=agriculturalproduct

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DynamoDB

Dashboard Tables Update settings Explore items PartiQL editor Backups Exports to S3 Reserved capacity Settings

DAX Clusters Subnet groups Parameter groups Events

agriculturalproduct stock

Scan Query agriculturalproduct

Filters Run Reset

Completed Read capacity units consumed: 0.5

Items returned (2)

	pid	pname	byproduct	pconst
	102	groundnut	peanutmeal	300
	103	wheat	Hardredwin...	499

Account ID: 9020-2894-1570

Account Organization Service Quotas Billing Dashboard Security credentials Settings

Sign out

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IAM Management Console    lambda\_july22 - Lambda    Items | Amazon DynamoDB Man...    API Gateway

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Successfully updated the function lambda\_july22.

Code source Info

File Edit Find View Go Tools Window Test Deploy

Go to Anything (Ctrl-P)

Environment

lambda\_function Execution results

```
1 import json
2 import boto3
3
4 database=boto3.resource('dynamodb')
5 table=database.Table('agriculturalproduct')
6
7 def lambda_handler(event,context):
8     table.update_item(Key=event,UpdateExpression='SET byproduct=:v',ExpressionAttributeValues={':v':event['byproduct']})
9     response={
10         'statusCode':200,
11         'body':'updated an item successfully'
12     }
13     return response
```

Account Organization Service Quotas Billing Dashboard Security credentials Settings Sign out

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20:58 22-07-2022

The screenshot shows the AWS Lambda console interface. In the top navigation bar, tabs for IAM Management Console, Lambda, Items, API Gateway, and other services like 5THSEM, Dashboard, and codechef are visible. The main area is titled 'Code source' with an 'Info' tab selected. Below the tabs is a toolbar with File, Edit, Find, View, Go, Tools, Window, Test, and Deploy buttons. A search bar says 'Go to Anything (Ctrl-P)'. On the left, there's an 'Environment' sidebar. The main content area shows a code editor with a Python file named 'lambda\_function.py' containing code to update a DynamoDB table. To the right of the code editor is an 'Execution results' panel. The first execution result is shown under 'Test Event Name (unsaved) test event'. It displays the 'Response' as a JSON object with a statusCode of 200 and a body message. Below the response is a 'Function Logs' section with detailed log entries for the request. At the bottom, a 'Request ID' is listed. The right side of the screen has a dark sidebar with links for Account, Organization, Service Quotas, Billing Dashboard, Security credentials, and Settings, along with a 'Sign out' button. A status bar at the bottom shows the date and time (20:58 22-07-2022).

Code source Info

File Edit Find View Go Tools Window Test Deploy

Go to Anything (Ctrl-P)

Environment

lambda\_function Execution results

Status: Succeeded | Max memory used: 70 MB | Time: 240.62 ms

Test Event Name (unsaved) test event

Response

```
{ "statusCode": 200, "body": "updated an item successfully" }
```

Function Logs

```
START RequestId: 7c98caf5-0f5f-49b8-aab5-a1cdf37ff2e1 Version: $LATEST
END RequestId: 7c98caf5-0f5f-49b8-aab5-a1cdf37ff2e1
REPORT RequestId: 7c98caf5-0f5f-49b8-aab5-a1cdf37ff2e1 Duration: 240.62 ms Billed Duration: 241 ms Memory Size: 128 MB Max Memory Used: 70 MB
```

Request ID 7c98caf5-0f5f-49b8-aab5-a1cdf37ff2e1

This screenshot shows the execution results for a test event. The 'Execution results' panel indicates a 'Status: Succeeded' with a 'Max memory used: 70 MB' and a 'Time: 240.62 ms'. Under 'Test Event Name', it says '(unsaved) test event'. The 'Response' section shows a JSON object with a statusCode of 200 and a body message. Below the response is the 'Function Logs' section, which contains detailed log entries for the request, including the start, end, and report logs. The right side of the screen has a dark sidebar with links for Account, Organization, Service Quotas, Billing Dashboard, Security credentials, and Settings, along with a 'Sign out' button. A status bar at the bottom shows the date and time (20:58 22-07-2022).

Postman

File Edit View Help

Home Workspaces API Network Reports Explore Search Postman

Overview https://yyohknka4j.execute-api.us-east-2.amazonaws.com/Development

PUT https://yyohknka4j.execute-api.us-east-2.amazonaws.com/Development

Params Authorization Headers (9) Body Pre-request Script

none form-data x-www-form-urlencoded raw binary

1 ... "pid":102,  
2 ... "pname":"peanut"  
3 ...  
4 ...

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize JSON

200 OK 242 ms 350 B Save Response

Add a new account

Account Settings Active Sessions Sign Out

Send Cookies Beautify

View Profile

h2000030914 2000030914@kluniversity.in

Create a collection for your requests

A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Create collection

Find and Replace Console

Cookies Capture requests Bootcamp Runner Trash

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IAM Management Console lambda\_july22 - Lambda Items | Amazon DynamoDB Man API Gateway

us-east-2.console.aws.amazon.com/dynamodbv2/home?region=us-east-2#item-explorer?initialTagKey=&maximize=true&table=agriculturalproduct

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aws Services Search for services, features, blogs, docs, and more [Alt+S]

DynamoDB agriculturalproduct stock

Filters Run Reset

Completed Read capacity units consumed: 0.5

Items returned (3)

pid	pname	POIL	Hardredwin...	499
102	peanut	POIL		
103	wheat	Hardredwin...		499
101	Rice	POIL		

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The screenshot shows the AWS Lambda console interface. The main area displays the code source for a function named `lambda_function`. The code is as follows:

```
1 import json
2 import boto3
3
4 database=boto3.resource('dynamodb')
5 table=database.Table('agriculturalproduct')
6
7 def lambda_handler(event,context):
8     response = table.get_item(Key=event)
9     return response['Item']
```

The sidebar on the left shows the environment configuration for the function. The top navigation bar includes tabs for IAM Management Console, Lambda, Items, Amazon DynamoDB, API Gateway, and other AWS services.

The screenshot shows the AWS Lambda console interface after a test execution. The main area displays the execution results for the `lambda_function`. The test event was `(unsaved) test event`. The response was:

```
{ "byproduct": "POIL", "pid": 101, "pname": "Rice" }
```

The sidebar on the left shows the environment configuration for the function. The top navigation bar includes tabs for IAM Management Console, Lambda, Items, Amazon DynamoDB, API Gateway, and other AWS services.

Postman

File Edit View Help

Home Workspaces API Network Reports Explore Search Postman

Overview https://yyohknka4j.execute-api.us-east-2.amazonaws.com/DevelopmentStage-2/agricultural... + No Environment

My Workspace New Import Overview https://yyohknka4j.execute-api.us-east-2.amazonaws.com/DevelopmentStage-2/agricultural... + Save Send

GET https://yyohknka4j.execute-api.us-east-2.amazonaws.com/DevelopmentStage-2/agricultural...

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

1 ... "pid":102,  
2 ... "pname":"peanut"

Body Cookies Headers (7) Test Results 200 OK 378 ms 340 B Save Response

Pretty Raw Preview Visualize JSON

1 ...  
2 ... "byproduct": "POIL",  
3 ... "pid": 102.0,  
4 ... "pname": "peanut"  
5 ...

Create a collection for your requests

A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Create collection

Find and Replace Console Cookies Capture requests Bootcamp Runner Trash

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21:06 22-07-2022

IAM Management Console lambda\_july22 - Lambda Items | Amazon DynamoDB Man API Gateway

us-east-2.console.aws.amazon.com/apigateway/home?region=us-east-2#/apis/yyohknka4j/resources/y8g3nxvuf1/create

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Amazon API Gateway APIs > restapi\_july22 (yyohknka4j) > Resources > / (y8g3nxvuf1) > Create

Account ID: 9020-2894-1570

API: restapi\_july22

Resources Stages Authorizers Gateway Responses Models Resource Policy Documentation Dashboard

New Child Resource

Configure as proxy resource

Resource Name\* getallproducts

Resource Path\* / getallproducts

You can add path parameters using brackets. For example, /{username} represents a path parameter called 'username' that catches all requests to its sub-resources. For example, if you handle requests to /, add a new ANY method on this resource.

Enable API Gateway CORS

\* Required

Cancel Create Resource

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21:08 22-07-2022

Screenshot of the AWS API Gateway test interface showing a successful test call for the GET method on the /getallproducts endpoint.

**Test Result:**

- Path:** Request: /getallproducts
- Status:** 200
- Latency:** 192 ms
- Response Body:**

```
{ "Items": [ { "byproduct": "POIL", "pid": 102, "pname": "peanut" }, { "pid": 103, "byproduct": "Hardredwinter", "pname": "wheat", "post": 499, "utilization/day": 500 }, { "byproduct": "POIL", "pid": 101, "pname": "Rice" }, { "Count": 3, "ScannedCount": 3, "ResponseMetadata": { } } ] }
```

**Query Strings:** {getallproducts} param1=value1&param2=value2

**Headers:** {getallproducts}

**Stage Variables:** No stage variables exist for this method.

**Request Body:** Request Body is not supported for GET methods.

**API Details:**

- API: restapi\_july22
- Resources:
  - /agriculturalproduct
    - DELETE
    - GET
    - POST
    - PUT
  - /getallproducts
    - GET
- Stages
- Authorizers
- Gateway Responses
- Models
- Resource Policy
- Documentation
- Dashboard
- Settings
- Usage Plans
- API Keys
- Client Certificates

Screenshot of the AWS API Gateway deployment dialog.

**Deploy API**

Choose a stage where your API will be deployed. For example, a test version of your API could be deployed to a stage named beta.

**Deployment stage:** [New Stage] DevelopmentStage-3

**Stage name\***: DevelopmentStage-3

**Stage description**: (empty)

**Deployment description**: (empty)

**Buttons:** Cancel Deploy

Screenshot of the AWS Lambda console showing the API Gateway configuration for the 'restapi\_july22' API. The 'DevelopmentStage-3' stage is selected for the '/getallproducts' method. A context menu is open over the 'GET' method, with the option 'Copy link address' highlighted.

APIs > restapi\_july22 > Stages > DevelopmentStage-3 > /getallproducts > GET

DevelopmentStage-3 - GET - /getallproducts

Invoke URL: https://yyohknka4j.execute-api.us-east-2.amazonaws.com/DevelopmentStage-3/getallproducts

Use this page to override the DevelopmentStage-3 stage settings for the GET method

Settings  Inherit from stage  Override for this method

Save Changes

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Screenshot of the Postman application interface. A collection named 'My first collection' is open, containing two folders: 'First folder inside collection' and 'Second folder inside collection'. A specific GET request for the '/getallproducts' endpoint is selected, showing a JSON response body.

Postman

File Edit View Help

Home Workspaces API Network Reports Explore

Overview GET https://yyohknka4j.execute-api.us-east-2.amazonaws.com/DevelopmentStage-3/getallproducts

Params Authorization Headers (9) Body  Pre-request Script Tests Settings Cookies Beautify

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize JSON

4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18

```
        "byproduct": "POIL",
        "pid": 102.0,
        "pname": "peanut"
    },
    {
        "pid": 103.0,
        "byproduct": "Hardredwinter",
        "pname": "wheat",
        "pcost": 499.0,
        "utilization/day": 500.0
    },
    {
        "byproduct": "POIL",
        "pid": 101.0,
        "pname": "Rice"
    }
```

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Screenshot of the AWS DynamoDB Items page for the 'stock' table.

**Tables (2)**

- agriculturalproduct
- stock**

**Scan/Query items**

Scan | Query | stock

**Items returned (1)**

sid	sname	scost	staste
1	peanutoil	185	light & nutty flavor

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Screenshot of the AWS DynamoDB Items page for the 'agriculturalproduct' table.

**Tables (2)**

- agriculturalproduct
- stock

**Scan/Query items**

Scan | Query | agriculturalproduct

**Items returned (3)**

pid	pname	byproduct	pconst	utilizat
102	peanut	POIL		
103	wheat	Hardredwin...	499	500
101	Rice	Brownrice		

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