

Lambda > Functions > Create function

Create function [Info](#)

Choose one of the following options to create your function.

☒ 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.

hpcsa_33_37

Function name must be 1 to 64 characters, must be unique to the region, and can't include spaces. Valid characters are a-z, A-Z, 0-9, hyphens (-), and underscores (_).

Runtime [Info](#)

Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Python 3.9

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](#)

[► Additional Configurations](#)

Use additional configurations to set up code signing, function URL, tags, and Amazon VPC access for your function.

Cancel

Create function

Successfully created the function hpcsa_33_37. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

Code | Test | Monitor | Configuration | Aliases | Versions

Code source

Upload from

You are using the new console editor.

Give feedback

Switch to the old editor

EXPLORER
HPCSA_33_37
lambda_function.py

```
1 def lambda_handler(event, context):  
2     # DETERMINE THE MESSAGE BASED ON THE COURSE VALUE  
3     if course == "hpcsa":  
4         message = "Welcome to HPCSA course"  
5     elif course == "ditiss":  
6         message = "Welcome to DITISS course"  
7     elif course == "dbda":  
8         message = "Welcome to DBDA course"  
9     else:  
10        message = "Invalid course"  
11  
12    # Return the message with a status code of 200  
13    return {  
14        'statusCode': 200,  
15        'body': message  
16    }  
17  
18  
19  
20
```

Create new test event

Invoke

Save

Event Name
course_event_33_37

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 ten [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

```
1 {  
2     "course": "dbda"  
3 }
```

Code properties

The test event course_event_33_37 was successfully saved.

You are using the new console editor.

Give feedback | Switch to the old editor

EXPLORER

HPCSA_33_37

lambda_function.py

DEPLOY

Deploy (Ctrl+Shift+U)

Test (Ctrl+Shift+I)

TEST EVENTS

Private saved events

course_event_33_37

ENVIRONMENT VARIABLES

Amazon Q

lambda_function.py

```
1 def lambda_handler(event, context):
2     # Get the 'course' parameter from the query string param
3     course = event.get("queryStringParameters", {}).get("course")
4
5     # Determine the message based on the course value
6     if course == "hpcsa":
7         message = "Welcome to HPCSA course"
8     elif course == "ditiss":
9         message = "Welcome to DITISS course"
10    elif course == "dbda":
11        message = "Welcome to DBDA course"
12    else:
13        message = "Invalid course"
14
15    # Return the message with a status code of 200
16    return {
17        'statusCode': 200,
18        'body': message
19    }
```

PROBLEMS | OUTPUT | CODE REFERENCE LOG | TERMINAL

Status: Succeeded

Test Event Name: course_event_33_37

Response:

```
{
  "statusCode": 200,
  "body": "Invalid course"
}
```

Function Logs:

2024-08-11 00:03:00.000 [INFO] Lambda runtime log message

Create new test event

Event Name

course_event_33_37

Maximum of 15 characters consisting of letters, numbers, dots, hyphens and underscores.

Event sharing settings

Private

Shareable

Template - optional

course_event_33_37

Event JSON

```
1 {
2   "course": "dbda"
3 }
```

Execution Results

Code properties

Package size

421 byte

SHA256 hash

L2CewhHdmadzl/A2c0bz2Mkvxbj/MLV+PEgakwW0apU=

Last modified

in 3 minutes

Lambda > Functions > hpcsa_33_37 > Configure Function URL

Configure Function URL

Function URL Info

Use function URLs to assign HTTP(S) endpoints to your Lambda function.

Auth type

Choose the auth type for your function URL. [Learn more](#)

☐ AWS_IAM

Only authenticated IAM users and roles can make requests to your function URL.

☒ NONE

Lambda won't perform IAM authentication on requests to your function URL. The URL endpoint will be public unless you implement your own authorization logic in your function.

Function URL permissions

When you choose auth type **NONE**, Lambda automatically creates the following resource-based policy and attaches it to your function. This policy makes your function public to anyone with the function URL. You can edit the policy later. To limit access to authenticated IAM users and roles, choose auth type **AWS_IAM**.

View policy statement

```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "StatementId": "FunctionURLAllowPublicAccess",  
6       "Effect": "Allow",  
7       "Principal": "*",  
8       "Action": "lambda:InvokeFunctionUrl",  
9       "Resource": "arn:aws:lambda:ap-south-1:474668389133:function:hpcsa_33_37",  
10      "Condition": {  
11        "StringEquals": {  
12          "lambda:FunctionUrlAuthType": "NONE"  
13        }  
14      }  
15    ]  
16  }  
17 }
```

1:1 JSON Spaces: 2

Additional settings

Invoke mode

Choose how your function returns responses. [Learn more](#)

Lambda > Functions > hpcsa_33_37

hpcsa_33_37

Throttle

Copy ARN

Actions

Function overview Info

Export to Application Composer

Download

Diagram

Template



+ Add trigger

+ Add destination

Description

Last modified
in 1 minute

Function ARN

arn:aws:lambda:ap-south-1:474668589135:function:hpcsa_33_37

Function URL Info

https://ha62g4zmamet4evudoa7mulpfc0rwsad.lambda-url.ap-south-1.on.aws/

Code | Test | Monitor | Configuration | Aliases | Versions

General configuration

Triggers

Permissions

Destinations

Function URL

Environment variables

Tags

VPC

RDS databases

Function URL Info

Delete

Edit

Your function URL is public. Anyone with the URL can access your function.

Function URL

https://ha62g4zmamet4evudoa7mulpfc0rwsad.lambda-url.ap-south-1.on.aws/

Auth type

NONE

Invoke mode

BUFFERED

Creation time

in 4 minutes

Last modified

in 4 minutes

CORS (Not enabled)

Welcome to HPCSA course