

1. Lambda function configuration and test results.

The screenshot displays the AWS Lambda console for the function 'dateTimeFunction'. The 'Function overview' tab is active, showing a diagram with an API Gateway trigger and the function itself. The 'Code source' tab is also visible, showing the JavaScript code for the handler.

Function overview

Diagram | Template

dateTimeFunction

Layers (0)

API Gateway

+ Add trigger

+ Add destination

Description

Last modified: 56 minutes ago

Function ARN: arn:aws:lambda:us-east-1:103619411293:function:dateTimeFunction

Function URL: Info

Code source

Upload from

```
JS index.mjs > @ handler
1 export const handler = async (event) => {
2   const response = {
3     body: JSON.stringify({
4       message: 'Current date and time',
5       dateTime: new Date().toISOString()
6     })
7   }
8   return response
9 }
```

Test

Executing function: succeeded (logs)

Details

```
{
  "statusCode": 200,
  "body": "{\"message\":\"Current date and time\",\"dateTime\":\"2025-04-10T19:36:43.582Z\"}"
}
```

Summary

Code SHA-256 kMFMZw2OfmjKcsXF20kSDh4J9a9UNBqbrQhJXCo5m5E=	Execution time 5 minutes ago
Function version \$LATEST	Request ID 40ddb335-c539-4287-94a8-7c1f3ce32271
Duration 3.33 ms	Billed duration 4 ms
Resources configured 128 MB	Max memory used 71 MB

Log output

The area below shows the last 4 KB of the execution log. [Click here](#) to view the corresponding CloudWatch log group.

```
START RequestId: 40ddb335-c539-4287-94a8-7c1f3ce32271 Version: $LATEST
END RequestId: 40ddb335-c539-4287-94a8-7c1f3ce32271
REPORT RequestId: 40ddb335-c539-4287-94a8-7c1f3ce32271 Duration: 3.33 ms Billed Duration: 4 ms Memory Size: 128 MB Max Memory Used: 71 MB
```

2. API Gateway configuration and test result.

API Gateway > APIs > Resources - DateTimeAPI (qetwwrf4a)

API Gateway

- APIs
- Custom domain names
- Domain name access associations
- VPC links

API: DateTimeAPI

- Resources
- Stages
- Authorizers
- Gateway responses
- Models
- Resource policy
- Documentation
- Dashboard
- API settings

Usage plans

API keys

Client certificates

Settings

Resources

Create resource

/

/date-time

GET

/date-time - GET - Method execution

Update documentation Delete

ARN: arn:aws:execute-api:us-east-1:103619411293:qetwwrf4a/*/GET/date-time

Resource ID: lcnsza

Client → Method request → Integration request → Lambda integration

← Method response ← Integration response (Proxy integration)

Method request Integration request Integration response Method response Test

Method request settings Edit

Authorization: [CognitoAuthorizer](#)

API key required: False

Request validator: None

SDK operation name: Generated based on method and path

Request paths (0)

Name Caching

[Option+S]

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Resources - DateTimeAPI (qetwwrf4a)

Create resource

/

/date-time

GET

Test

/date-time - GET method test results

Request	Latency ms	Status
/date-time	309	200

Response body

```
{"message":"Current date and time","dateTime":"2025-04-10T19:43:34.196Z"}
```

Response headers

```
{
  "X-Amzn-Trace-Id": "Root=1-67f81f65-0fd2be60503fb86b249304b8;Parent=2bee83dc6d1657cd;Sampled=0;Lineage=1:5ff93262:0"
}
```

Logs

```
Execution log for request 03a09591-aebd-4c80-a32f-7f95b0d055f8
Thu Apr 10 19:43:33 UTC 2025 : Starting execution for request: 03a09591-aebd-4c80-a32f-7f95b0d055f8
Thu Apr 10 19:43:33 UTC 2025 : HTTP Method: GET, Resource Path: /date-time
Thu Apr 10 19:43:33 UTC 2025 : Method request path: {}
Thu Apr 10 19:43:33 UTC 2025 : Method request query string: {}
Thu Apr 10 19:43:33 UTC 2025 : Method request headers: {}
Thu Apr 10 19:43:33 UTC 2025 : Method request body before transformations:
Thu Apr 10 19:43:33 UTC 2025 : Endpoint request URI: https://lambda.us-east-1.amazonaws.com/2015-03-31/functions/arn:aws:lambda:us-east-1:103619411293:function:dateTimeFunction/invocations
Thu Apr 10 19:43:33 UTC 2025 : Endpoint request headers: {X-Amz-Date=20250410T194333Z, x-amzn-apigateway-api-id=qetwwrf4a, Accept=application/json, User-Agent=AmazonAPIGateway_qetwwrf4a, Host=lambda.us-east-1.amazonaws.com, X-Amz-Content-SHA256=...}
```

3. Amazon Cognito

aws [Search] [Option+S] United States (N. Virginia) SaurabGhimire

Amazon Cognito > User pools > User pool - t2sp- > Overview

Amazon Cognito

Current user pool [View all](#)

User pool - t2sp-

- Overview
- Applications
 - App clients [New](#)
- User management
 - Users
 - Groups
- Authentication
 - Authentication methods
 - Sign-in [New](#)
 - Sign-up
 - Social and external providers
 - Extensions [New](#)
- Security
 - AWS WAF
 - Threat protection
 - Log streaming
- Branding
 - Domain


Overview: User pool - t2sp- [Info](#)

[Rename](#) [Delete user pool](#)

User pool information

User pool name User pool - t2sp-	Token signing key URL https://cognito-idp.us-east-1.amazonaws.com/us-east-1_tq54H2EXI/well-known/jwks.json	Created time April 10, 2025 at 13:56 CDT
User pool ID us-east-1_tq54H2EXI	Estimated number of users 1	Last updated time April 10, 2025 at 13:56 CDT
ARN arn:aws:cognito-idp:us-east-1:103619411293:userpool/us-east-1_tq54H2EXI	Feature plan Essentials	


Recommendations



Set up your app: My Web Client

Want to set up your application for Amazon Cognito? Our quick setup guides will get you started.


[View quick setup guide](#)



Apply branding to your managed login pages

Now that you have login pages, you can customize logo images and the look and feel of your authentication service.


[View login page](#) [Configure styles](#)



Detect risks and protect users

Activate threat protection and get runtime analysis of risk factors when users connect to your application.

[Add threat protection](#)



Set up passwordless sign-in

Support passwordless sign-in to your application with one-time codes from email and SMS messages. Support passkey sign-in with biometric devices and hardware security keys.

[Configure](#)

4. API Gateway configuration and test result after integrating with Amazon Cognito

<https://getwwrf4a.execute-api.us-east-1.amazonaws.com/prod/date-time> [Save](#) [Share](#)

GET <https://getwwrf4a.execute-api.us-east-1.amazonaws.com/prod/date-time> [Send](#)

Params **Authorization** Headers (8) Body Scripts Tests Settings [Cookies](#)

Auth Type: Bearer Token

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. [Learn more about variables.](#)

The authorization header will be automatically generated when you send the request. [Learn more about Bearer Token](#) authorization.

Token: eyJraWQlOjIiWVQ0TTEhem5KQjJBb0Vwbm...

Body Cookies Headers (7) Test Results [Test Results](#)

200 OK • 614 ms • 409 B

```

1 {
2   "message": "Current date and time",
3   "dateTime": "2025-04-10T19:34:18.279Z"
4 }
```