API

REST API for uploading, executing, deleting, changing and naming Lambdas.

Version 1.0.0

Paths

`/lambdas`

POST `/lambdas`

Summary

Upload Lambda Function.

Description

Uploads a Lambda function and config as JSON. If successful (200), it returns a master token for accessing, executing, deleting, changing the Lambda Function and which can be used to generate child tokens with specific needs to give execution authorization to third party. Also a link to the executable lambda function is described. If not successful because of an error parsing the JSON body, 422 will be returned with a specific error message. If not successful because a lambda function already exists, 500 will be returned with a description of options how to resolve the problem. Else the default error handling returns a triple (errorcode, message, fields).

Parameters

Name	Located in	Required	Schema
config	body	Yes	⇄ `string (json)`

Responses

Code	Description		Schema

201	Successful, return Token and Link.	⇄	▼ `{`
			`  token: string`
			`  link:  string`
			`}`

422	Error with JSON body.	⇄	▼ `string` *specific error message*
500	Lambda Function under this name exists.	⇄	▼ `string` *how to solve*

default	Unexpected Error	⇄	▼ **Error {**
			`  code:    integer`
			`  message: string`
			`  fields:  string`
			`}`

Try this operation

/lambdas/{name}

PUT /lambdas/{name}

Summary

Update Lambda Function.

Description

Updates a Lambda function or config with a JSON file. If successful, it returns 200. If not successful because of a wrong or no authentification token, 401 will be returned with a description of options how to resolve the problem. If not successful because of a missing lambda function, 404 will be returned with a description of options how to resolve the problem. If not successful because of an error parsing the JSON body, 422 will be returned with a specific error message. Else the default error handling returns a triple (errorcode, message, fields).

Parameters

Name	Located in	Required	Schema
token	header	Yes	⇄ string (token)
config	body	Yes	⇄ string (**json)**
name	path	Yes	⇄ string (string)

Responses

Code	Description	Schema
200	Successful.	
401	Authentication failed.	⇄ ▼ string *how to solve*
404	Not found.	⇄ ▼ string *how to solve*
422	Error with JSON body.	⇄ ▼ string *specific error message*
default	Unexpected Error	⇄ ▼ **Error {** code: integer message: string fields: string **}**

Try this operation

GET /lambdas/{name}

Summary

Show configuration of Lambda function.

Description

Shows configuration (JSON uploaded on creation or update) of Lambda function. Returns configuration as JSON if successful (200). If not successful because of a wrong or no authentification token, 401 will be returned with a description of options how to resolve the problem. If not successful because of a missing lambda function, 404 will be returned with a description of options how to resolve the problem. Else the default error handling returns a triple (errorcode, message, fields).

Parameters

Name	Located in	Required	Schema
token	header	Yes	⇄ string (token)
name	path	Yes	⇄ string (string)

Responses

Code	Description	Schema
200	Configuration of the Lambda Function	⇄ ▼ string (json) *current config*
401	Authentication failed.	⇄ ▼ string *how to solve*
404	Not found.	⇄ ▼ string *how to solve*
default	Unexpected error	⇄ ▼ **Error {** code: integer message: string fields: string **}**

Try this operation

DELETE /lambdas/{name}

Summary

Delete Lambda Function

Description

Deletes Lambda Function, returns 204 if successful. If not successful because of a wrong or no authentification token, 401 will be returned with a description of options how to resolve the problem. If not successful because of a missing lambda function, 404 will be returned with a description of options how to resolve the problem. Else the default error handling returns a triple (errorcode, message, fields).

Parameters

Name	Located in	Required	Schema
token	header	Yes	⇄ string (token)
name	path	Yes	⇄ string (string)

Responses

Code	Description	Schema
204	Deletion successful. No content.	
401	Authentication failed.	⇄ ▼ string *how to solve*
404	Not found.	⇄ ▼ string *how to solve*
default	Unexpected error	⇄ ▼ **Error {** code: integer message: string fields: string **}**

Try this operation

POST /lambdas/{name}/execute

Summary

Execute Lambda Function

Description

Executes Lambda Function with a specific configuration in JSON, returns result if successful (200). If not successful because of a wrong or no authentification token, 401 will be returned with a description of options how to resolve the problem. If not successful because of a missing lambda function, 404 will be returned with a description of options how to resolve the problem. If not successful because of an error parsing the JSON body, 422 will be returned with a specific error message. Else the default error handling returns a triple (errorcode, message, fields).

Parameters

Name	Located in	Required	Schema
token	header	Yes	⇄ string (token)
config	body	Yes	⇄ string (json)
name	path	Yes	⇄ string (string)

Responses

Code	Description	Schema

200	Results of the Lambda Function	⇄ ▼ {
		  results
		}

401	Authentication failed.	⇄ ▼ string *how to solve*
404	Not found.	⇄ ▼ string *how to solve*
422	Error with JSON body.	⇄ ▼ string *specific error message*
default	Unexpected error	⇄ ▼ **Error {** code: integer message: string fields: string }

Try this operation

GET /lambdas/{name}/token

Summary

Generates a child-token to execute Lambda Function for third parties

Description

Generates a child-token to execute Lambda Function for third parties, returns token if successful (200). If no parameters are specified in JSON, a token is generated with no time or execution limit. If not successful because of a wrong or no authentification token, 401 will be returned with a description of options how to resolve the problem. If not successful because of a missing lambda function, 404 will be returned with a description of options how to resolve the problem. If not successful because of an error parsing the queue in JSON, 422 will be returned with a specific error message. Else the default error handling returns a triple (errorcode, message, fields).

Parameters

Name	Located in	Required	Schema
token	header	Yes	⇄ string (token)
parameters	query	No	⇄ string (json)
name	path	Yes	⇄ string (string)

Responses

Code	Description	Schema	
200	Successful, returns Child Token.	⇄	▼ string (token) *child token*
401	Authentication failed.	⇄	▼ string *how to solve*
404	Not found.	⇄	▼ string *how to solve*
422	Error with JSON.	⇄	▼ string *specific error message*
default	Unexpected error	⇄	▼ Error { code: integer message: string fields: string }

Try this operation

Models

Error

```
▼ Error {
    code:     integer
⇄   message:  string
    fields:   string
}
```