
AWS IoT 1-Click Devices API Reference



AWS IoT 1-Click: Devices API Reference

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What Is AWS IoT 1-Click?

Welcome to the AWS IoT 1-Click Devices API Reference. For a description of AWS IoT 1-Click and how it works, see the [AWS IoT 1-Click Developer Guide](#).

Document History for the Devices API Reference

The following table describes the documentation for this release of AWS IoT 1-Click.

- **API version:** latest
- **Latest documentation update:** May 14, 2018

Change	Description	Date
Major release	Initial documentation release.	May 14, 2018

AWS Glossary

For the latest AWS terminology, see the [AWS Glossary](#) in the *AWS General Reference*.

Resources

The AWS IoT 1-Click REST API includes the following resources.

Topics

- [Claim Code](#) (p. 4)
- [Devices](#) (p. 8)
- [Device](#) (p. 13)
- [Device Events](#) (p. 18)
- [Finalize Claim](#) (p. 24)
- [Initiate Claim](#) (p. 28)
- [Device Methods](#) (p. 32)
- [Device State](#) (p. 40)
- [Unclaim Device](#) (p. 44)

Claim Code

A code is a value used to claim one or more devices.

URI

/claims/ *claimCode*

HTTP Methods

PUT

Operation ID: ClaimDevicesByClaimCode

Adds device(s) to your account (i.e., claim one or more devices) if and only if you received a claim code with the device(s).

Path Parameters

Name	Type	Required	Description
<i>claimCode</i>	String	True	The claim code, starting with "C-", as provided by the device manufacturer.

Responses

Status Code	Response Model	Description
200	ClaimDevicesByClaimCodeResponse	200 response

Status Code	Response Model	Description
400	InvalidRequestException (p. 400)	400 response
403	ForbiddenException (p. 5)	403 response
500	InternalFailureException (p. 500)	500 response

See Also

- [AWS SDK for JavaScript](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Ruby V2](#)
- [AWS Command Line Interface](#)
- [AWS SDK for Python](#)

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Response Bodies

Example ClaimDevicesByClaimCodeResponse

```
{
  "total (p. 6)": integer,
  "claimCode (p. 6)": "string"
}
```

Example InvalidRequestException

```
{
  "code (p. 7)": "string",
  "message (p. 7)": "string"
}
```

Example ForbiddenException

```
{
```



```
"code (p. 6)": "string",  
"message (p. 7)": "string"  
}
```

Example InternalFailureException

```
{  
  "code (p. 7)": "string",  
  "message (p. 7)": "string"  
}
```

Properties

ClaimDevicesByClaimCodeResponse

total

The total number of devices associated with the claim code that has been processed in the claim request.

Type: integer
Required: False
Format: int32

claimCode

The claim code provided by the device manufacturer.

Type: string
Required: False

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

ForbiddenException

code

403

Type: string
Required: False

message

The 403 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

InternalServerErrorException

code

500

Type: string

Required: False

message

The 500 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

InvalidRequestException

code

400

Type: string

Required: False

message

The 400 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

Devices

Represents a collection of claimed devices.

URI

/devices

HTTP Methods

GET

Operation ID: ListDevices

Lists the 1-Click compatible devices associated with your AWS account.

Query Parameters

Name	Type	Required	Description
deviceType	String	False	The type of the device, such as "button".
nextToken	String	False	The token to retrieve the next set of results.
maxResults	String	False	The maximum number of results to return per request. If not set, a default value of 100 is used.

Responses

Status Code	Response Model	Description
200	ListDevicesResponse (p. 9)	200 response
400	InvalidRequestException (p. 400)	400 response
416	RangeNotSatisfiableException (p. 416)	416 response
500	InternalFailureException (p. 500)	500 response

See Also

- [AWS SDK for JavaScript](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Ruby V2](#)
- [AWS Command Line Interface](#)
- [AWS SDK for Python](#)

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Response Bodies

Example ListDevicesResponse

```
{
  "devices (p. 12)": [
    {
      "attributes (p. 10)": {
      },
      "remainingLife (p. 10)": number,
      "type (p. 10)": "string",
      "deviceId (p. 10)": "string",
      "enabled (p. 11)": boolean
    }
  ],
  "nextToken (p. 12)": "string"
}
```

Example InvalidRequestException

```
{
  "code (p. 11)": "string",
  "message (p. 12)": "string"
}
```

Example RangeNotSatisfiableException

```
{
  "code (p. 12)": "string",
  "message (p. 13)": "string"
}
```

Example InternalFailureException

```
{
```

```
"code (p. 11)": "string",  
"message (p. 11)": "string"  
}
```

Properties

DeviceAttributes

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

DeviceDescription

attributes

An array of zero or more elements of `DeviceAttribute` objects providing user specified device attributes.

Type: [DeviceAttributes \(p. 10\)](#)

Required: False

remainingLife

A value between 0 and 1 inclusive, representing the fraction of life remaining for the device.

Type: number

Required: False

Minimum: 0.0

Maximum: 100.0

type

The type of the device, such as "button".

Type: string

Required: False

deviceId

The unique identifier of the device.

Type: string

Required: False

enabled

A Boolean value indicating whether or not the device is enabled.

Type: boolean

Required: False

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

InternalFailureException

code

500

Type: string

Required: False

message

The 500 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
-
- [AWS SDK for Ruby V2](#)

InvalidRequestException

code

400

Type: string

Required: False

message

The 400 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

ListDevicesResponse

devices

A list of devices.

Type: Array of type [DeviceDescription \(p. 10\)](#)

Required: False

nextToken

The token to retrieve the next set of results.

Type: string

Required: False

See Also

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

RangeNotSatisfiableException

code

416

Type: string

Required: False

message

The requested number of results specified by `nextToken` cannot be satisfied.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

Device

Represents a device given the device's ID.

URI

`/devices/ deviceId`

HTTP Methods

GET

Operation ID: DescribeDevice

Given a device ID, returns a `DescribeDeviceResponse` object describing the details of the device.

Path Parameters

Name	Type	Required	Description
<i>deviceId</i>	String	True	The unique identifier of the device.

Responses

Status Code	Response Model	Description
200	DescribeDeviceResponse (p. 200)	response
400	InvalidRequestException (p. 400)	response
404	ResourceNotFoundException (p. 404)	response
500	InternalFailureException (p. 500)	response

See Also

- [AWS SDK for JavaScript](#)
- [AWS SDK for .NET](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Ruby V2](#)
- [AWS Command Line Interface](#)
- [AWS SDK for Python](#)

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Response Bodies

Example DescribeDeviceResponse

```
{
  "deviceDescription (p. 15)": {
    "attributes (p. 15)": {
    },
    "remainingLife (p. 16)": number,
    "type (p. 16)": "string",
    "deviceId (p. 16)": "string",
    "enabled (p. 16)": boolean
  }
}
```

Example InvalidRequestException

```
{
  "code (p. 17)": "string",
  "message (p. 17)": "string"
}
```

Example ResourceNotFoundException

```
{
  "code (p. 17)": "string",
  "message (p. 17)": "string"
}
```

Example InternalFailureException

```
{
  "code (p. 16)": "string",
}
```

```
"message (p. 17)": "string"  
}
```

Properties

DescribeDeviceResponse

deviceDescription

Device details.

Type: [DeviceDescription \(p. 15\)](#)

Required: False

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

DeviceAttributes

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

DeviceDescription

attributes

An array of zero or more elements of `DeviceAttribute` objects providing user specified device attributes.

Type: [DeviceAttributes \(p. 15\)](#)

Required: False

remainingLife

A value between 0 and 1 inclusive, representing the fraction of life remaining for the device.

Type: number

Required: False

Minimum: 0.0

Maximum: 100.0

type

The type of the device, such as "button".

Type: string

Required: False

deviceId

The unique identifier of the device.

Type: string

Required: False

enabled

A Boolean value indicating whether or not the device is enabled.

Type: boolean

Required: False

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

InternalFailureException

code

500

Type: string

Required: False

message

The 500 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

InvalidRequestException

code

400

Type: string

Required: False

message

The 400 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

ResourceNotFoundException

code

404

Type: string

Required: False

message

The requested device could not be found.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

Device Events

Represents a collection of events associated with the device. A device event is the event published by a device which are translated into a standard device-type event by the AWS IoT 1-Click service.

URI

/devices/ *deviceId* /events

HTTP Methods

GET

Operation ID: ListDeviceEvents

Using a device ID, returns a `DeviceEventsResponse` object containing an array of events for the device.

Path Parameters

Name	Type	Required	Description
<i>deviceId</i>	String	True	The unique identifier of the device.

Query Parameters

Name	Type	Required	Description
nextToken	String	False	The token to retrieve the next set of results.
maxResults	String	False	The maximum number of results to return per request. If not set, a default value of 100 is used.
fromTimeStamp	String	True	The start date for the device event query, in ISO8061 format. For example, 2018-03-28T15:45:12.880Z
toTimeStamp	String	True	The end date for the device event query, in ISO8061 format. For example, 2018-03-28T15:45:12.880Z

Responses

Status Code	Response Model	Description
200	DeviceEventsResponse (p. 12)	200 response
400	InvalidRequestException (p. 40)	400 response
404	ResourceNotFoundException (p. 40)	404 response
416	RangeNotSatisfiableException (p. 41)	416 response
500	InternalFailureException (p. 50)	500 response

See Also

- [AWS SDK for JavaScript](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Ruby V2](#)
- [AWS Command Line Interface](#)
- [AWS SDK for Python](#)

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Response Bodies

Example DeviceEventsResponse

```

{
  "nextToken (p. 21)": "string",
  "events (p. 21)": [
    {
      "stdEvent (p. 21)": "string",
      "device (p. 21)": {
        "attributes (p. 20)": {
        },
        "type (p. 20)": "string",
        "deviceId (p. 20)": "string"
      }
    }
  ]
}

```

Example InvalidRequestException

```
{  
  "code (p. 22)": "string",  
  "message (p. 22)": "string"  
}
```

Example ResourceNotFoundException

```
{  
  "code (p. 23)": "string",  
  "message (p. 23)": "string"  
}
```

Example RangeNotSatisfiableException

```
{  
  "code (p. 23)": "string",  
  "message (p. 23)": "string"  
}
```

Example InternalFailureException

```
{  
  "code (p. 22)": "string",  
  "message (p. 22)": "string"  
}
```

Properties

Device

attributes

The user specified attributes associated with the device for an event.

Type: object
Required: False

type

The device type, such as "button".

Type: string
Required: False

deviceId

The unique identifier of the device.

Type: string
Required: False

See Also

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

DeviceEvent

stdEvent

A serialized JSON object representing the device-type specific event.

Type: string
Required: False

device

An object representing the device associated with the event.

Type: [Device \(p. 20\)](#)
Required: False

See Also

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

DeviceEventsResponse

nextToken

The token to retrieve the next set of results.

Type: string
Required: False

events

An array of zero or more elements describing the event(s) associated with the device.

Type: Array of type [DeviceEvent](#) (p. 21)

Required: False

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

InternalFailureException

code

500

Type: string

Required: False

message

The 500 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)

- [AWS SDK for Ruby V2](#)

InvalidRequestException

code

400

Type: string

Required: False

message

The 400 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

RangeNotSatisfiableException

code

416

Type: string

Required: False

message

The requested number of results specified by `nextToken` cannot be satisfied.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

ResourceNotFoundException

code

404

Type: string

Required: False

message

The requested device could not be found.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

Finalize Claim

Finalizes a device claim request initiated by a `InitiateDeviceClaim` operation.

URI

`/devices/ deviceId /finalize-claim`

HTTP Methods

PUT

Operation ID: `FinalizeDeviceClaim`

Given a device ID, finalizes the claim request for the associated device.

Note

Claiming a device consists of initiating a claim, then publishing a device event, and finalizing the claim. For a device of type `button`, a device event can be published by simply clicking the device.

Path Parameters

Name	Type	Required	Description
<i>deviceId</i>	String	True	The unique identifier of the device.

Responses

Status Code	Response Model	Description
200	DeviceClaimResponse (p. 25)	200 response
400	InvalidRequestException (p. 40)	400 response
404	ResourceNotFoundException (p. 40)	404 response
409	ResourceConflictException (p. 40)	409 response
412	PreconditionFailedException (p. 41)	412 response
500	InternalFailureException (p. 50)	500 response

See Also

- [AWS SDK for JavaScript](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Ruby V2](#)
- [AWS Command Line Interface](#)
- [AWS SDK for Python](#)

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Response Bodies

Example DeviceClaimResponse

```
{  
  "state (p. 26)": "string"  
}
```

Example InvalidRequestException

```
{  
  "code (p. 26)": "string",  
  "message (p. 27)": "string"  
}
```

Example ResourceNotFoundException

```
{  
  "code (p. 28)": "string",  
  "message (p. 28)": "string"  
}
```

Example ResourceConflictException

```
{  
  "code (p. 27)": "string",  
  "message (p. 27)": "string"  
}
```

Example PreconditionFailedException

```
{  
  "code (p. 27)": "string",  
  "message (p. 27)": "string"  
}
```

Example InternalFailureException

```
{  
  "code (p. 26)": "string",  
  "message (p. 26)": "string"  
}
```

Properties

DeviceClaimResponse

state

The device's final claim state.

Type: string

Required: False

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

InternalFailureException

code

500

Type: string

Required: False

message

The 500 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
-
- [AWS SDK for Ruby V2](#)

InvalidRequestException

code

400

Type: string
Required: False

message

The 400 error message returned by the web server.

Type: string
Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

PreconditionFailedException

code

412

Type: string
Required: False

message

An error message explaining the error or its remedy.

Type: string
Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

ResourceConflictException

code

409

Type: string
Required: False

message

An error message explaining the error or its remedy.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

ResourceNotFoundException

code

404

Type: string

Required: False

message

The requested device could not be found.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

Initiate Claim

Initiates a claim request for a device given its device ID.

URI

`/devices/ deviceId /initiate-claim`

HTTP Methods

PUT

Operation ID: InitiateDeviceClaim

Given a device ID, initiates a claim request for the associated device.

Note

Claiming a device consists of initiating a claim, then publishing a device event, and finalizing the claim. For a device of type `button`, a device event can be published by simply clicking the device.

Path Parameters

Name	Type	Required	Description
<i>deviceId</i>	String	True	The unique identifier of the device.

Responses

Status Code	Response Model	Description
200	DeviceClaimResponse (p. 29)	200 response
400	InvalidRequestException (p. 40)	400 response
404	ResourceNotFoundException (p. 40)	404 response
409	ResourceConflictException (p. 40)	409 response
500	InternalFailureException (p. 50)	500 response

See Also

- [AWS SDK for JavaScript](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Ruby V2](#)
- [AWS Command Line Interface](#)
- [AWS SDK for Python](#)

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Response Bodies

Example DeviceClaimResponse

```
{
  "state (p. 30)": "string"
}
```


Example InvalidRequestException

```
{
  "code (p. 31)": "string",
  "message (p. 31)": "string"
}
```

Example ResourceNotFoundException

```
{
  "code (p. 32)": "string",
  "message (p. 32)": "string"
}
```

Example ResourceConflictException

```
{
  "code (p. 31)": "string",
  "message (p. 32)": "string"
}
```

Example InternalFailureException

```
{
  "code (p. 31)": "string",
  "message (p. 31)": "string"
}
```

Properties

DeviceClaimResponse

state

The device's final claim state.

Type: string

Required: False

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

InternalFailureException

code

500

Type: string

Required: False

message

The 500 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

InvalidRequestException

code

400

Type: string

Required: False

message

The 400 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

ResourceConflictException

code

409

Type: string

Required: False

message

An error message explaining the error or its remedy.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

ResourceNotFoundException

code

404

Type: string

Required: False

message

The requested device could not be found.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

Device Methods

Given a device ID, represents the collection of invokable device methods. For more information, see [Device Methods](#) in the AWS IoT 1-Click Developer Guide.

URI

`/devices/ deviceId /methods`

HTTP Methods

GET

Operation ID: GetDeviceMethods

Given a device ID, returns the invokable methods associated with the device.

Path Parameters

Name	Type	Required	Description
<i>deviceId</i>	String	True	The unique identifier of the device.

Responses

Status Code	Response Model	Description
200	GetDeviceMethodsResponse (p 200 response)	200 response
400	InvalidRequestException (p 400 response)	400 response
404	ResourceNotFoundException (p 404 response)	404 response
500	InternalFailureException (p 500 response)	500 response

See Also

- [AWS SDK for JavaScript](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Ruby V2](#)
- [AWS Command Line Interface](#)
- [AWS SDK for Python](#)

POST

Operation ID: InvokeDeviceMethod

Given a device ID, issues a request to invoke a named device method (with possible parameters). See the "Example POST" code snippet below.

Path Parameters

Name	Type	Required	Description
<i>deviceId</i>	String	True	The unique identifier of the device.

Responses

Status Code	Response Model	Description
200	InvokeDeviceMethodResponse (p 200 response)	200 response
400	InvalidRequestException (p 400 response)	400 response
404	ResourceNotFoundException (p 404 response)	404 response

Status Code	Response Model	Description
409	ResourceConflictException (409 response)	409 response
412	PreconditionFailedException (412 response)	412 response
416	RangeNotSatisfiableException (416 response)	416 response
500	InternalFailureException (500 response)	500 response

See Also

- [AWS SDK for JavaScript](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Ruby V2](#)
- [AWS Command Line Interface](#)
- [AWS SDK for Python](#)

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Request Bodies

Example POST

```
{
  "deviceMethodParameters (p. 37)": "string",
  "deviceMethod (p. 38)": {
    "deviceType (p. 36)": "string",
    "methodName (p. 36)": "string"
  }
}
```

Response Bodies

Example GetDeviceMethodsResponse

```
{
  "deviceMethods (p. 36)": [
    {
```

```
    "deviceType (p. 36)": "string",  
    "methodName (p. 36)": "string"  
  }  
]  
}
```

Example InvokeDeviceMethodResponse

```
{  
  "deviceMethodResponse (p. 38)": "string"  
}
```

Example InvalidRequestException

```
{  
  "code (p. 37)": "string",  
  "message (p. 37)": "string"  
}
```

Example ResourceNotFoundException

```
{  
  "code (p. 40)": "string",  
  "message (p. 40)": "string"  
}
```

Example ResourceConflictException

```
{  
  "code (p. 39)": "string",  
  "message (p. 39)": "string"  
}
```

Example PreconditionFailedException

```
{  
  "code (p. 38)": "string",  
  "message (p. 39)": "string"  
}
```

Example RangeNotSatisfiableException

```
{  
  "code (p. 39)": "string",  
  "message (p. 39)": "string"  
}
```

Example InternalFailureException

```
{  
  "code (p. 37)": "string",  
  "message (p. 37)": "string"  
}
```

Properties

DeviceMethod

deviceType

The type of the device, such as "button".

Type: string

Required: False

methodName

The name of the method applicable to the deviceType.

Type: string

Required: False

See Also

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

GetDeviceMethodsResponse

deviceMethods

List of available device APIs.

Type: Array of type [DeviceMethod](#) (p. 36)

Required: False

See Also

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)

- [AWS SDK for Ruby V2](#)

InternalFailureException

code

500

Type: string
Required: False

message

The 500 error message returned by the web server.

Type: string
Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

InvalidRequestException

code

400

Type: string
Required: False

message

The 400 error message returned by the web server.

Type: string
Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

InvokeDeviceMethodRequest

deviceMethodParameters

A JSON encoded string containing the device method request parameters.

Type: string
Required: False

deviceMethod

The device method to invoke.

Type: [DeviceMethod](#) (p. 36)
Required: False

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

InvokeDeviceMethodResponse

deviceMethodResponse

A JSON encoded string containing the device method response.

Type: string
Required: False

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

PreconditionFailedException

code

412

Type: string

Required: False

message

An error message explaining the error or its remedy.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

RangeNotSatisfiableException

code

416

Type: string

Required: False

message

The requested number of results specified by `nextToken` cannot be satisfied.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

ResourceConflictException

code

409

Type: string

Required: False

message

An error message explaining the error or its remedy.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

ResourceNotFoundException

code

404

Type: string
Required: False

message

The requested device could not be found.

Type: string
Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

Device State

Represents the device's state.

URI

/devices/ *deviceId* /state

HTTP Methods

PUT

Operation ID: UpdateDeviceState

Using a Boolean value (`true` or `false`), this operation enables or disables the device given a device ID.

Path Parameters

Name	Type	Required	Description
<i>deviceId</i>	String	True	The unique identifier of the device.

Responses

Status Code	Response Model	Description
200	Empty (p. 41)	200 response
400	InvalidRequestException (p. 400)	400 response
404	ResourceNotFoundException (p. 404)	404 response
500	InternalFailureException (p. 500)	500 response

See Also

- [AWS SDK for JavaScript](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Ruby V2](#)
- [AWS Command Line Interface](#)
- [AWS SDK for Python](#)

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Request Bodies

Example PUT

```
{
  "enabled (p. 44)": boolean
}
```

Response Bodies

Example Empty

```
{
}
```

Example InvalidRequestException

```
{  
  "code (p. 43)": "string",  
  "message (p. 43)": "string"  
}
```

Example ResourceNotFoundException

```
{  
  "code (p. 43)": "string",  
  "message (p. 43)": "string"  
}
```

Example InternalFailureException

```
{  
  "code (p. 42)": "string",  
  "message (p. 42)": "string"  
}
```

Properties

Empty

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

InternalFailureException

code

500

Type: string
Required: False

message

The 500 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

InvalidRequestException

code

400

Type: string

Required: False

message

The 400 error message returned by the web server.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

ResourceNotFoundException

code

404

Type: string

Required: False

message

The requested device could not be found.

Type: string

Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

UpdateDeviceStateRequest

enabled

If `true`, the device is enabled. If `false`, the device is disabled.

Type: boolean

Required: False

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

Unclaim Device

Unclaims a device using its device ID.

URI

`/devices/ deviceId /unclaim`

HTTP Methods

PUT

Operation ID: UnclaimDevice

Disassociates a device from your AWS account using its device ID.

Path Parameters

Name	Type	Required	Description
<i>deviceId</i>	String	True	The unique identifier of the device.

Responses

Status Code	Response Model	Description
200	DeviceClaimResponse (p. 45)	200 response

Status Code	Response Model	Description
400	InvalidRequestException (p. 46)	400 response
404	ResourceNotFoundException (p. 47)	404 response
500	InternalFailureException (p. 48)	500 response

See Also

- [AWS SDK for JavaScript](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Ruby V2](#)
- [AWS Command Line Interface](#)
- [AWS SDK for Python](#)

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Response Bodies

Example DeviceClaimResponse

```
{  
  "state (p. 46)": "string"  
}
```

Example InvalidRequestException

```
{  
  "code (p. 47)": "string",  
  "message (p. 47)": "string"  
}
```

Example ResourceNotFoundException

```
{  
  "code (p. 47)": "string",  
  "message (p. 47)": "string"  
}
```



```
}
```

Example InternalFailureException

```
{  
  "code (p. 46)": "string",  
  "message (p. 46)": "string"  
}
```

Properties

DeviceClaimResponse

state

The device's final claim state.

Type: string
Required: False

See Also

- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)
-
- [AWS SDK for C++](#)
 - [AWS SDK for Go](#)
 - [AWS SDK for Java](#)
 - [AWS SDK for Ruby V2](#)

InternalFailureException

code

500

Type: string
Required: False

message

The 500 error message returned by the web server.

Type: string
Required: False

See Also

- [AWS SDK for Ruby V2](#)

- [AWS SDK for Ruby V2](#)

InvalidRequestException

code

400

Type: string
Required: False

message

The 400 error message returned by the web server.

Type: string
Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)

ResourceNotFoundException

code

404

Type: string
Required: False

message

The requested device could not be found.

Type: string
Required: False

See Also

- [AWS SDK for Ruby V2](#)
- [AWS SDK for Ruby V2](#)