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# 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 \(p. 4\)](#)
- [Device \(p. 7\)](#)
- [Device Events \(p. 11\)](#)
- [Device Methods \(p. 16\)](#)
- [Device State \(p. 22\)](#)
- [Devices \(p. 25\)](#)
- [Finalize Claim \(p. 30\)](#)
- [Initiate Claim \(p. 34\)](#)
- [Tags resource-arn \(p. 38\)](#)
- [Unclaim Device \(p. 41\)](#)

## 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	<a href="#">ClaimDevicesByClaimCodeResponse</a> (200 response)	
400	<a href="#">InvalidRequestException</a> (400 response)	
403	<a href="#">ForbiddenException</a> (p. 5)	403 response



Status code	Response model	Description
500	<a href="#">InternalFailureException</a> (p. 500)	500 response

## OPTIONS

### Responses

Status code	Response model	Description
200	None	200 response

## Schemas

### Response bodies

#### [ClaimDevicesByClaimCodeResponse](#) schema

```
{
  "total": integer,
  "claimCode": "string"
}
```

#### [InvalidRequestException](#) schema

```
{
  "code": "string",
  "message": "string"
}
```

#### [ForbiddenException](#) schema

```
{
  "code": "string",
  "message": "string"
}
```

#### [InternalFailureException](#) schema

```
{
  "code": "string",
  "message": "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  
**MinLength:** 12  
**MaxLength:** 40

## ForbiddenException

### **code**

403

**Type:** string  
**Required:** False

### **message**

The 403 error message returned by the web server.

**Type:** string  
**Required:** False

## InternalFailureException

### **code**

500

**Type:** string  
**Required:** False

### **message**

The 500 error message returned by the web server.

**Type:** string  
**Required:** False

## InvalidRequestException

### **code**

400

**Type:** string  
**Required:** False

### message

The 400 error message returned by the web server.

**Type:** string  
**Required:** False

## See also

For more information about using this API in one of the language-specific AWS SDKs and references, see the following:

## ClaimDevicesByClaimCode

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

## 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	<a href="#">DescribeDeviceResponse</a> (p. 200)	response

Status code	Response model	Description
400	<a href="#">InvalidRequestException</a> (p 400)	400 response
404	<a href="#">ResourceNotFoundException</a> (p 404)	404 response
500	<a href="#">InternalFailureException</a> (p 500)	500 response

## OPTIONS

### Responses

Status code	Response model	Description
200	None	200 response

## Schemas

### Response bodies

#### [DescribeDeviceResponse](#) schema

```
{
  "deviceDescription": {
    "remainingLife": number,
    "attributes": {
    },
    "type": "string",
    "arn": "string",
    "deviceId": "string",
    "enabled": boolean
  }
}
```

#### [InvalidRequestException](#) schema

```
{
  "code": "string",
  "message": "string"
}
```

#### [ResourceNotFoundException](#) schema

```
{
  "code": "string",
  "message": "string"
}
```

#### [InternalFailureException](#) schema

```
{
  "code": "string",
  "message": "string"
}
```

```
}
```

## Properties

### DescribeDeviceResponse

#### deviceDescription

Device details.

**Type:** [DeviceDescription](#) (p. 9)

**Required:** False

### DeviceAttributes

`DeviceAttributes` is a string-to-string map specified by the user.

#### key-value pairs

**Type:** string

### DeviceDescription

#### 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

#### attributes

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

**Type:** [DeviceAttributes](#) (p. 9)

**Required:** False

#### type

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

**Type:** string

**Required:** False

#### arn

The ARN of the device.

**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

## InternalFailureException

### **code**

500

**Type:** string

**Required:** False

### **message**

The 500 error message returned by the web server.

**Type:** string

**Required:** False

## InvalidRequestException

### **code**

400

**Type:** string

**Required:** False

### **message**

The 400 error message returned by the web server.

**Type:** string

**Required:** False

## ResourceNotFoundException

### **code**

404

**Type:** string

**Required:** False

### message

The requested device could not be found.

**Type:** string

**Required:** False

## See also

For more information about using this API in one of the language-specific AWS SDKs and references, see the following:

### DescribeDevice

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

## 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	<a href="#">DeviceEventsResponse</a> (p. 12)	200 response
400	<a href="#">InvalidRequestException</a> (p. 400)	400 response
404	<a href="#">ResourceNotFoundException</a> (p. 404)	404 response
416	<a href="#">RangeNotSatisfiableException</a> (p. 416)	416 response
500	<a href="#">InternalFailureException</a> (p. 500)	500 response

## OPTIONS

### Responses

Status code	Response model	Description
200	None	200 response

## Schemas

### Response bodies

#### DeviceEventsResponse schema

```
{
```



```
"nextToken": "string",
"events": [
  {
    "stdEvent": "string",
    "device": {
      "attributes": {
      },
      "type": "string",
      "deviceId": "string"
    }
  }
]
```

#### InvalidRequestException schema

```
{
  "code": "string",
  "message": "string"
}
```

#### ResourceNotFoundException schema

```
{
  "code": "string",
  "message": "string"
}
```

#### RangeNotSatisfiableException schema

```
{
  "code": "string",
  "message": "string"
}
```

#### InternalFailureException schema

```
{
  "code": "string",
  "message": "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

## 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 \(p. 13\)](#)

**Required:** False

## 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 \(p. 14\)](#)

**Required:** False

## InternalFailureException

### **code**

500

**Type:** string

**Required:** False

### **message**

The 500 error message returned by the web server.

**Type:** string  
**Required:** False

## InvalidRequestException

### **code**

400

**Type:** string  
**Required:** False

### **message**

The 400 error message returned by the web server.

**Type:** string  
**Required:** False

## RangeNotSatisfiableException

### **code**

416

**Type:** string  
**Required:** False

### **message**

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

**Type:** string  
**Required:** False

## ResourceNotFoundException

### **code**

404

**Type:** string  
**Required:** False

### **message**

The requested device could not be found.

**Type:** string

**Required:** False

## See also

For more information about using this API in one of the language-specific AWS SDKs and references, see the following:

### ListDeviceEvents

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

## Device Methods

Given a device ID, represents the collection of invocable 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 invocable 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	<a href="#">GetDeviceMethodsResponse</a> (p 200)	200 response
400	<a href="#">InvalidRequestException</a> (p 400)	400 response

Status code	Response model	Description
404	<a href="#">ResourceNotFoundException</a> (p	404 response
500	<a href="#">InternalFailureException</a> (p	500 response

## 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	<a href="#">InvokeDeviceMethodResponse</a> (p	200 response
400	<a href="#">InvalidRequestException</a> (p	400 response
404	<a href="#">ResourceNotFoundException</a> (p	404 response
409	<a href="#">ResourceConflictException</a> (p	409 response
412	<a href="#">PreconditionFailedException</a> (p	412 response
416	<a href="#">RangeNotSatisfiableException</a> (p	416 response
500	<a href="#">InternalFailureException</a> (p	500 response

## OPTIONS

### Responses

Status code	Response model	Description
200	None	200 response

## Schemas

### Request bodies

#### POST schema

```
{
  "deviceMethodParameters": "string",
```

```
"deviceMethod": {
  "deviceType": "string",
  "methodName": "string"
}
```

## Response bodies

### GetDeviceMethodsResponse schema

```
{
  "deviceMethods": [
    {
      "deviceType": "string",
      "methodName": "string"
    }
  ]
}
```

### InvokeDeviceMethodResponse schema

```
{
  "deviceMethodResponse": "string"
}
```

### InvalidRequestException schema

```
{
  "code": "string",
  "message": "string"
}
```

### ResourceNotFoundException schema

```
{
  "code": "string",
  "message": "string"
}
```

### ResourceConflictException schema

```
{
  "code": "string",
  "message": "string"
}
```

### PreconditionFailedException schema

```
{
  "code": "string",
  "message": "string"
}
```

### RangeNotSatisfiableException schema

```
{  
  "code": "string",  
  "message": "string"  
}
```

### InternalFailureException schema

```
{  
  "code": "string",  
  "message": "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

### GetDeviceMethodsResponse

#### deviceMethods

List of available device APIs.

**Type:** Array of type [DeviceMethod](#) (p. 19)  
**Required:** False

### InternalFailureException

#### code

500

**Type:** string  
**Required:** False

#### message

The 500 error message returned by the web server.

**Type:** string  
**Required:** False

## InvalidRequestException

### code

400

**Type:** string  
**Required:** False

### message

The 400 error message returned by the web server.

**Type:** string  
**Required:** False

## 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. 19)  
**Required:** False

## InvokeDeviceMethodResponse

### deviceMethodResponse

A JSON encoded string containing the device method response.

**Type:** string  
**Required:** False

## PreconditionFailedException

### code

412

**Type:** string  
**Required:** False



### **message**

An error message explaining the error or its remedy.

**Type:** string

**Required:** False

## RangeNotSatisfiableException

### **code**

416

**Type:** string

**Required:** False

### **message**

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

**Type:** string

**Required:** False

## ResourceConflictException

### **code**

409

**Type:** string

**Required:** False

### **message**

An error message explaining the error or its remedy.

**Type:** string

**Required:** False

## ResourceNotFoundException

### **code**

404

**Type:** string

**Required:** False

### **message**

The requested device could not be found.

**Type:** string

**Required:** False

## See also

For more information about using this API in one of the language-specific AWS SDKs and references, see the following:

### GetDeviceMethods

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

### InvokeDeviceMethod

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

## 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
<code>deviceId</code>	String	True	The unique identifier of the device.

### Responses

Status code	Response model	Description
200	<a href="#">Empty (p. 23)</a>	200 response
400	<a href="#">InvalidRequestException (p. 400)</a>	400 response
404	<a href="#">ResourceNotFoundException (p. 404)</a>	404 response
500	<a href="#">InternalFailureException (p. 500)</a>	500 response

## OPTIONS

### Responses

Status code	Response model	Description
200	None	200 response

## Schemas

### Request bodies

#### PUT schema

```
{
  "enabled": boolean
}
```

### Response bodies

#### Empty schema

```
{
}
```

#### InvalidRequestException schema

```
{
  "code": "string",
  "message": "string"
}
```

### ResourceNotFoundException schema

```
{  
  "code": "string",  
  "message": "string"  
}
```

### InternalFailureException schema

```
{  
  "code": "string",  
  "message": "string"  
}
```

## Properties

### Empty

On success, an empty object is returned.

### InternalFailureException

#### code

500

**Type:** string

**Required:** False

#### message

The 500 error message returned by the web server.

**Type:** string

**Required:** False

### InvalidRequestException

#### code

400

**Type:** string

**Required:** False

#### message

The 400 error message returned by the web server.

**Type:** string

**Required:** False

## ResourceNotFoundException

### code

404

**Type:** string

**Required:** False

### message

The requested device could not be found.

**Type:** string

**Required:** False

## UpdateDeviceStateRequest

### enabled

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

**Type:** boolean

**Required:** False

## See also

For more information about using this API in one of the language-specific AWS SDKs and references, see the following:

## UpdateDeviceState

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

## 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
<code>deviceType</code>	String	False	The type of the device, such as "button".
<code>nextToken</code>	String	False	The token to retrieve the next set of results.
<code>maxResults</code>	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	<a href="#">ListDevicesResponse</a> (p. 26)	200 response
400	<a href="#">InvalidRequestException</a> (p. 407)	400 response
416	<a href="#">RangeNotSatisfiableException</a> (p. 416)	416 response
500	<a href="#">InternalFailureException</a> (p. 500)	500 response

## OPTIONS

#### Responses

Status code	Response model	Description
200	None	200 response

## Schemas

### Response bodies

[ListDevicesResponse](#) schema

```
{
  "devices": [
    {
```

```
    "remainingLife": number,  
    "attributes": {  
    },  
    "type": "string",  
    "arn": "string",  
    "deviceId": "string",  
    "enabled": boolean  
  }  
],  
"nextToken": "string"  
}
```

### InvalidRequestException schema

```
{  
  "code": "string",  
  "message": "string"  
}
```

### RangeNotSatisfiableException schema

```
{  
  "code": "string",  
  "message": "string"  
}
```

### InternalFailureException schema

```
{  
  "code": "string",  
  "message": "string"  
}
```

## Properties

### DeviceAttributes

DeviceAttributes is a string-to-string map specified by the user.

#### key-value pairs

**Type:** string

### DeviceDescription

#### 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

### **attributes**

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

**Type:** [DeviceAttributes](#) (p. 27)

**Required:** False

### **type**

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

**Type:** string

**Required:** False

### **arn**

The ARN of the device.

**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

## **InternalFailureException**

### **code**

500

**Type:** string

**Required:** False

### **message**

The 500 error message returned by the web server.

**Type:** string

**Required:** False



## InvalidRequestException

### code

400

**Type:** string

**Required:** False

### message

The 400 error message returned by the web server.

**Type:** string

**Required:** False

## ListDevicesResponse

### devices

A list of devices.

**Type:** Array of type [DeviceDescription \(p. 27\)](#)

**Required:** False

### nextToken

The token to retrieve the next set of results.

**Type:** string

**Required:** False

## 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

For more information about using this API in one of the language-specific AWS SDKs and references, see the following:

## ListDevices

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

## 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	<a href="#">DeviceClaimResponse</a> (p. 31)	200 response
400	<a href="#">InvalidRequestException</a> (p. 400)	400 response
404	<a href="#">ResourceNotFoundException</a> (p. 404)	404 response
409	<a href="#">ResourceConflictException</a> (p. 409)	409 response
412	<a href="#">PreconditionFailedException</a> (p. 412)	412 response

Status code	Response model	Description
500	<a href="#">InternalFailureException</a> ( <a href="#">p. 500</a> )	500 response

## OPTIONS

### Responses

Status code	Response model	Description
200	None	200 response

## Schemas

### Request bodies

#### PUT schema

```
{
  "tags": {
  }
}
```

### Response bodies

#### DeviceClaimResponse schema

```
{
  "state": "string"
}
```

#### InvalidRequestException schema

```
{
  "code": "string",
  "message": "string"
}
```

#### ResourceNotFoundException schema

```
{
  "code": "string",
  "message": "string"
}
```

#### ResourceConflictException schema

```
{
  "code": "string",
```

```
"message": "string"
}
```

#### PreconditionFailedException schema

```
{
  "code": "string",
  "message": "string"
}
```

#### InternalFailureException schema

```
{
  "code": "string",
  "message": "string"
}
```

## Properties

### DeviceClaimResponse

#### state

The device's final claim state.

**Type:** string  
**Required:** False

### InternalFailureException

#### code

500

**Type:** string  
**Required:** False

#### message

The 500 error message returned by the web server.

**Type:** string  
**Required:** False

### InvalidRequestException

#### code

400

**Type:** string  
**Required:** False

**message**

The 400 error message returned by the web server.

**Type:** string  
**Required:** False

## PreconditionFailedException

**code**

412

**Type:** string  
**Required:** False

**message**

An error message explaining the error or its remedy.

**Type:** string  
**Required:** False

## ResourceConflictException

**code**

409

**Type:** string  
**Required:** False

**message**

An error message explaining the error or its remedy.

**Type:** string  
**Required:** False

## ResourceNotFoundException

**code**

404

**Type:** string  
**Required:** False

**message**

The requested device could not be found.

**Type:** string  
**Required:** False

## tagsModel

Contains tag information (resource metadata key/value pairs).

### tags

A collection of key/value pairs defining the resource tags. For example, { "tags": { "key1": "value1", "key2": "value2" } }. For more information, see [AWS Tagging Strategies](#).

**Type:** object

**Required:** True

## See also

For more information about using this API in one of the language-specific AWS SDKs and references, see the following:

### FinalizeDeviceClaim

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

## 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	<a href="#">DeviceClaimResponse</a> (p. 35)	200 response
400	<a href="#">InvalidRequestException</a> (p. 40)	400 response
404	<a href="#">ResourceNotFoundException</a> (p. 41)	404 response
409	<a href="#">ResourceConflictException</a> (p. 41)	409 response
500	<a href="#">InternalFailureException</a> (p. 50)	500 response

## OPTIONS

### Responses

Status code	Response model	Description
200	None	200 response

## Schemas

### Response bodies

#### DeviceClaimResponse schema

```
{
  "state": "string"
}
```

#### InvalidRequestException schema

```
{
  "code": "string",
  "message": "string"
}
```

#### ResourceNotFoundException schema

```
{
  "code": "string",
  "message": "string"
}
```

### ResourceConflictException schema

```
{  
  "code": "string",  
  "message": "string"  
}
```

### InternalFailureException schema

```
{  
  "code": "string",  
  "message": "string"  
}
```

## Properties

### DeviceClaimResponse

#### state

The device's final claim state.

**Type:** string

**Required:** False

### InternalFailureException

#### code

500

**Type:** string

**Required:** False

#### message

The 500 error message returned by the web server.

**Type:** string

**Required:** False

### InvalidRequestException

#### code

400

**Type:** string

**Required:** False

#### message

The 400 error message returned by the web server.



**Type:** string  
**Required:** False

## ResourceConflictException

### code

409

**Type:** string  
**Required:** False

### message

An error message explaining the error or its remedy.

**Type:** string  
**Required:** False

## ResourceNotFoundException

### code

404

**Type:** string  
**Required:** False

### message

The requested device could not be found.

**Type:** string  
**Required:** False

## See also

For more information about using this API in one of the language-specific AWS SDKs and references, see the following:

## InitiateDeviceClaim

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

- [AWS SDK for Ruby V3](#)

## Tags resource-arn

Adds, modifies or deletes one or more resource tags (metadata key/value pairs associated with a resource) given the ARN of a resource. For more information, see [AWS Tagging Strategies](#)

### URI

/tags/*resource-arn*

### HTTP methods

#### GET

**Operation ID:** ListTagsForResource

Lists the tags associated with the specified resource ARN.

#### Path parameters

Name	Type	Required	Description
<i>resource-arn</i>	String	True	The ARN of the resource.

#### Responses

Status code	Response model	Description
200	<a href="#">tagsModel</a> (p. 39)	200 response

#### POST

**Operation ID:** TagResource

Adds or updates the tags associated with the resource ARN. See [AWS IoT 1-Click Service Limits](#) for the maximum number of tags allowed per resource.

#### Path parameters

Name	Type	Required	Description
<i>resource-arn</i>	String	True	The ARN of the resource.

#### Responses

Status code	Response model	Description
204	None	204 response

## DELETE

**Operation ID:** UntagResource

Using tag keys, deletes the tags (key/value pairs) associated with the specified resource ARN.

### Path parameters

Name	Type	Required	Description
<i>resource-arn</i>	String	True	The ARN of the resource.

### Query parameters

Name	Type	Required	Description
tagKeys	String	True	A collections of tag keys. For example, {"key1", "key2" }

### Responses

Status code	Response model	Description
204	None	204 response

## Schemas

### Request bodies

#### POST schema

```
{
  "tags": {
  }
}
```

### Response bodies

#### tagsModel schema

```
{
  "tags": {
  }
}
```

## Properties

### tagsModel

Contains tag information (resource metadata key/value pairs).

## tags

A collection of key/value pairs defining the resource tags. For example, { "tags": { "key1": "value1", "key2": "value2" } }. For more information, see [AWS Tagging Strategies](#).

**Type:** object

**Required:** True

## See also

For more information about using this API in one of the language-specific AWS SDKs and references, see the following:

### ListTagsForResource

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

### TagResource

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

### UntagResource

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

- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## 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	<a href="#">DeviceClaimResponse</a> (p. 42)	200 response
400	<a href="#">InvalidRequestException</a> (p. 400)	400 response
404	<a href="#">ResourceNotFoundException</a> (p. 404)	404 response
500	<a href="#">InternalFailureException</a> (p. 500)	500 response

### OPTIONS

#### Responses

Status code	Response model	Description
200	None	200 response

### Schemas

#### Response bodies

### DeviceClaimResponse schema

```
{  
  "state": "string"  
}
```

### InvalidRequestException schema

```
{  
  "code": "string",  
  "message": "string"  
}
```

### ResourceNotFoundException schema

```
{  
  "code": "string",  
  "message": "string"  
}
```

### InternalFailureException schema

```
{  
  "code": "string",  
  "message": "string"  
}
```

## Properties

### DeviceClaimResponse

#### state

The device's final claim state.

**Type:** string  
**Required:** False

### InternalFailureException

#### code

500

**Type:** string  
**Required:** False

#### message

The 500 error message returned by the web server.

**Type:** string

**Required:** False

## InvalidRequestException

### code

400

**Type:** string

**Required:** False

### message

The 400 error message returned by the web server.

**Type:** string

**Required:** False

## ResourceNotFoundException

### code

404

**Type:** string

**Required:** False

### message

The requested device could not be found.

**Type:** string

**Required:** False

## See also

For more information about using this API in one of the language-specific AWS SDKs and references, see the following:

## UnclaimDevice

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