aws

Devices API Reference

AWS IoT 1-Click

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 Glossary Reference*.

Resources

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

Topics

- [Claim Code](#)
- [Device](#)
- [Device Events](#)
- [Device Methods](#)
- [Device State](#)
- [Devices](#)
- [Finalize Claim](#)
- [Initiate Claim](#)
- [Tags resource-arn](#)
- [Unclaim Device](#)

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
claimCode	String	True	The claim code, starting with "C-", as provided by the device manufacturer.

Responses

Status code	Response model	Description
200	ClaimDevicesByClaimCodeResponse	200 response
400	InvalidRequestException	400 response
403	ForbiddenException	403 response
500	InternalFailureException	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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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
deviceId	String	True	The unique identifier of the device.

Responses

Status code	Response model	Description
200	DescribeDeviceResponse	200 response
400	InvalidRequestException	400 response
404	ResourceNotFoundException	404 response
500	InternalFailureException	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](#)
> **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](#)
   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 v2](#)

- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)

- [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
deviceId	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

Name	Type	Required	Description
			ISO8061 format. For example, 2018-03-28T15:45:12.880Z

Responses

Status code	Response model	Description
200	DeviceEventsResponse	200 response
400	InvalidRequestException	400 response
404	ResourceNotFoundException	404 response
416	RangeNotSatisfiableException	416 response
500	InternalFailureException	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](#)
> **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](#)
> **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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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
deviceId	String	True	The unique identifier of the device.

Responses

Status code	Response model	Description
200	GetDeviceMethodsResponse	200 response
400	InvalidRequestException	400 response
404	ResourceNotFoundException	404 response
500	InternalFailureException	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
deviceId	String	True	The unique identifier of the device.

Responses

Status code	Response model	Description
200	InvokeDeviceMethod Response	200 response
400	InvalidRequestException	400 response
404	ResourceNotFoundException	404 response
409	ResourceConflictException	409 response
412	PreconditionFailedException	412 response
416	RangeNotSatisfiableException	416 response
500	InternalFailureException	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
> **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](#)

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 v2](#)

- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)

- [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 v2](#)

- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)

- [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
deviceId	String	True	The unique identifier of the device.

Responses

Status code	Response model	Description
200	Empty	200 response
400	InvalidRequestException	400 response
404	ResourceNotFoundException	404 response
500	InternalFailureException	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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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
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	200 response
400	InvalidRequestException	400 response

Status code	Response model	Description
416	[RangeNotSatisfiabl eException](#)	416 response
500	[InternalFailureExc eption](#)	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](#)

    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
>   **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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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
deviceId	String	True	The unique identifier of the device.

Responses

Status code	Response model	Description
200	[DeviceClaimResponse](#)	200 response

Status code	Response model	Description
400	InvalidRequestExce ption	400 response
404	ResourceNotFoundEx ception	404 response
409	ResourceConflictEx ception	409 response
412	PreconditionFailed Exception	412 response
500	InternalFailureExc eption	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 v2](#)

- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)

- [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
deviceId	String	True	The unique identifier of the device.

Responses

Status code	Response model	Description
200	[DeviceClaimResponse](#)	200 response
400	[InvalidRequestExce ption](#)	400 response
404	[ResourceNotFoundEx ception](#)	404 response
409	[ResourceConflictEx ception](#)	409 response
500	[InternalFailureExc eption](#)	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 v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [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
resource-arn	String	True	The ARN of the resource.

Responses

Status code	Response model	Description
200	[tagsModel](#)	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
resource-arn	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
resource-arn	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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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 v2](#)

- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)

- [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
deviceId	String	True	The unique identifier of the device.

Responses

Status code	Response model	Description
200	[DeviceClaimResponse](#)	200 response

Status code	Response model	Description
400	[InvalidRequestException](#)	400 response
404	[ResourceNotFoundException](#)	404 response
500	[InternalFailureException](#)	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 v2](#)

- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)

- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)