



API Reference

# Amazon API Gateway



# Amazon API Gateway: API Reference

Copyright © 2024 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

Amazon's trademarks and trade dress may not be used in connection with any product or service that is not Amazon's, in any manner that is likely to cause confusion among customers, or in any manner that disparages or discredits Amazon. All other trademarks not owned by Amazon are the property of their respective owners, who may or may not be affiliated with, connected to, or sponsored by Amazon.

---

# Table of Contents

<b>Amazon API Gateway WebSocket and HTTP API Reference .....</b>	<b>1</b>
<b>Resources .....</b>	<b>2</b>
AccessLogSettings .....	3
URI .....	3
HTTP methods .....	3
Schemas .....	4
Properties .....	5
See also .....	6
Api .....	6
URI .....	6
HTTP methods .....	6
Schemas .....	10
Properties .....	13
See also .....	22
ApiMapping .....	24
URI .....	24
HTTP methods .....	24
Schemas .....	27
Properties .....	28
See also .....	31
ApiMappings .....	32
URI .....	33
HTTP methods .....	33
Schemas .....	35
Properties .....	36
See also .....	40
Apis .....	41
URI .....	41
HTTP methods .....	41
Schemas .....	44
Properties .....	48
See also .....	58
Authorizer .....	59
URI .....	59

HTTP methods .....	60
Schemas .....	62
Properties .....	64
See also .....	72
Authorizers .....	74
URI .....	74
HTTP methods .....	74
Schemas .....	76
Properties .....	78
See also .....	87
AuthorizersCache .....	88
URI .....	88
HTTP methods .....	88
Schemas .....	89
Properties .....	90
See also .....	91
Cors .....	91
URI .....	91
HTTP methods .....	92
Schemas .....	92
Properties .....	93
See also .....	94
Deployment .....	94
URI .....	94
HTTP methods .....	94
Schemas .....	97
Properties .....	98
See also .....	101
Deployments .....	103
URI .....	103
HTTP methods .....	103
Schemas .....	105
Properties .....	107
See also .....	111
DomainName .....	111
URI .....	112

HTTP methods .....	112
Schemas .....	114
Properties .....	116
See also .....	124
DomainNames .....	125
URI .....	125
HTTP methods .....	125
Schemas .....	127
Properties .....	130
See also .....	139
ExportedAPI .....	140
URI .....	140
HTTP methods .....	140
Schemas .....	142
Properties .....	143
See also .....	144
Integration .....	144
URI .....	144
HTTP methods .....	145
Schemas .....	147
Properties .....	149
See also .....	165
IntegrationResponse .....	166
URI .....	166
HTTP methods .....	166
Schemas .....	169
Properties .....	170
See also .....	176
IntegrationResponses .....	177
URI .....	178
HTTP methods .....	178
Schemas .....	180
Properties .....	182
See also .....	188
Integrations .....	189
URI .....	189

HTTP methods .....	189
Schemas .....	191
Properties .....	194
See also .....	211
Model .....	211
URI .....	212
HTTP methods .....	212
Schemas .....	214
Properties .....	215
See also .....	219
Models .....	220
URI .....	220
HTTP methods .....	220
Schemas .....	222
Properties .....	224
See also .....	228
ModelTemplate .....	229
URI .....	229
HTTP methods .....	229
Schemas .....	230
Properties .....	230
See also .....	232
Route .....	232
URI .....	232
HTTP methods .....	232
Schemas .....	235
Properties .....	237
See also .....	244
RouteRequestParameter .....	245
URI .....	246
HTTP methods .....	246
Schemas .....	247
Properties .....	247
See also .....	248
RouteResponse .....	249
URI .....	249

HTTP methods .....	249
Schemas .....	251
Properties .....	253
See also .....	257
RouteResponses .....	258
URI .....	258
HTTP methods .....	258
Schemas .....	260
Properties .....	262
See also .....	267
Routes .....	268
URI .....	268
HTTP methods .....	268
Schemas .....	270
Properties .....	272
See also .....	280
RouteSettings .....	281
URI .....	281
HTTP methods .....	281
Schemas .....	282
Properties .....	283
See also .....	284
Stage .....	284
URI .....	284
HTTP methods .....	285
Schemas .....	288
Properties .....	290
See also .....	298
Stages .....	299
URI .....	300
HTTP methods .....	300
Schemas .....	302
Properties .....	305
See also .....	314
Tags .....	315
URI .....	315

---

HTTP methods .....	315
Schemas .....	318
Properties .....	319
See also .....	321
VPCLink .....	322
URI .....	323
HTTP methods .....	323
Schemas .....	325
Properties .....	326
See also .....	330
VPCLinks .....	331
URI .....	331
HTTP methods .....	332
Schemas .....	333
Properties .....	335
See also .....	339
<b>Operations .....</b>	<b>341</b>
<b>Document History .....</b>	<b>347</b>
<b>AWS Glossary .....</b>	<b>348</b>



# Amazon API Gateway WebSocket and HTTP API Reference

Welcome to the Amazon API Gateway WebSocket and HTTP API Reference. For a description of Amazon API Gateway and how it works, see the [API Gateway Developer Guide](#).

# Resources

The Amazon API Gateway REST API includes the following resources.

## Topics

- [AccessLogSettings](#)
- [Api](#)
- [ApiMapping](#)
- [ApiMappings](#)
- [Apis](#)
- [Authorizer](#)
- [Authorizers](#)
- [AuthorizersCache](#)
- [Cors](#)
- [Deployment](#)
- [Deployments](#)
- [DomainName](#)
- [DomainNames](#)
- [ExportedAPI](#)
- [Integration](#)
- [IntegrationResponse](#)
- [IntegrationResponses](#)
- [Integrations](#)
- [Model](#)
- [Models](#)
- [ModelTemplate](#)
- [Route](#)
- [RouteRequestParameter](#)
- [RouteResponse](#)

- [RouteResponses](#)
- [Routes](#)
- [RouteSettings](#)
- [Stage](#)
- [Stages](#)
- [Tags](#)
- [VPCLink](#)
- [VPCLinks](#)

## AccessLogSettings

Represents the access log settings for a stage.

### URI

`/v2/apis/apiId/stages/stageName/accesslogsettings`

### HTTP methods

#### DELETE

**Operation ID:** DeleteAccessLogSettings

Deletes the AccessLogSettings for a Stage. To disable access logging for a Stage, delete its AccessLogSettings.

#### Path parameters

Name	Type	Required	Description
<i>stageName</i>	String	True	The stage name. Stage names can contain only alphanumeric characters, hyphens, and underscores, or be \$default.

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Response bodies

#### NotFoundException schema

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

#### LimitExceededException schema

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

```
"limitType": "string"  
}
```

## Properties

### LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

#### limitType

The limit type.

**Type:** string

**Required:** False

### NotFoundException

The resource specified in the request was not found. See the message field for more information.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

#### resourceType

The resource type.

**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:

### DeleteAccessLogSettings

- [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](#)

## Api

Represents an API.

### URI

`/v2/apis/apiId`

### HTTP methods

#### GET

**Operation ID:** GetApi

Gets an Api resource.

#### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
200	<a href="#">Api</a>	Success
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PUT

**Operation ID:** ReimportApi

Puts an Api resource.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

### Query parameters

Name	Type	Required	Description
failOnWarnings	String	False	Specifies whether to rollback the API creation when a warning is encountered. By default, API creation continues if a warning is encountered.

Name	Type	Required	Description
basepath	String	False	Specifies how to interpret the base path of the API during import. Valid values are ignore, prepend, and split. The default value is ignore. To learn more, see <a href="#">Set the OpenAPI basePath Property</a> . Supported only for HTTP APIs.

## Responses

Status code	Response model	Description
201	<a href="#">Api</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.



## DELETE

**Operation ID:** DeleteApi

Deletes an Api resource.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

### Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PATCH

**Operation ID:** UpdateApi

Updates an Api resource.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
200	<a href="#">Api</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### PUT schema

```
{
  "body": "string"
}
```

#### PATCH schema

```
{
  "name": "string",
  "description": "string",
  "version": "string",
  "routeSelectionExpression": "string",
  "apiKeySelectionExpression": "string",
  "disableSchemaValidation": boolean,
  "target": "string",
  "credentialsArn": "string",
}
```

```
"routeKey": "string",
"corsConfiguration": {
  "allowOrigins": [
    "string"
  ],
  "allowCredentials": boolean,
  "exposeHeaders": [
    "string"
  ],
  "maxAge": integer,
  "allowMethods": [
    "string"
  ],
  "allowHeaders": [
    "string"
  ]
},
"disableExecuteApiEndpoint": boolean
}
```

## Response bodies

### Api schema

```
{
  "apiId": "string",
  "name": "string",
  "description": "string",
  "version": "string",
  "protocolType": enum,
  "routeSelectionExpression": "string",
  "apiKeySelectionExpression": "string",
  "disableSchemaValidation": boolean,
  "warnings": [
    "string"
  ],
  "importInfo": [
    "string"
  ],
  "apiEndpoint": "string",
  "apiGatewayManaged": boolean,
  "createdDate": "string",
  "tags": {
```

```
},
  "corsConfiguration": {
    "allowOrigins": [
      "string"
    ],
    "allowCredentials": boolean,
    "exposeHeaders": [
      "string"
    ],
    "maxAge": integer,
    "allowMethods": [
      "string"
    ],
    "allowHeaders": [
      "string"
    ]
  },
  "disableExecuteApiEndpoint": boolean
}
```

### BadRequestException schema

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

### NotFoundException schema

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

### ConflictException schema

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

## LimitExceededException schema

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

## Properties

### Api

Represents an API.

#### apId

The API ID.

**Type:** string

**Required:** False

#### name

The name of the API.

**Type:** string

**Required:** True

#### description

The description of the API.

**Type:** string

**Required:** False

#### version

A version identifier for the API.

**Type:** string

**Required:** False

## protocolType

The API protocol.

**Type:** [ProtocolType](#)

**Required:** True

## routeSelectionExpression

The route selection expression for the API. For HTTP APIs, the `routeSelectionExpression` must be `${request.method} ${request.path}`. If not provided, this will be the default for HTTP APIs. This property is required for WebSocket APIs.

**Type:** string

**Required:** True

## apiKeySelectionExpression

An API key selection expression. Supported only for WebSocket APIs. See [API Key Selection Expressions](#).

**Type:** string

**Required:** False

## disableSchemaValidation

Avoid validating models when creating a deployment. Supported only for WebSocket APIs.

**Type:** boolean

**Required:** False

## warnings

The warning messages reported when `failonwarnings` is turned on during API import.

**Type:** Array of type string

**Required:** False

## importInfo

The validation information during API import. This may include particular properties of your OpenAPI definition which are ignored during import. Supported only for HTTP APIs.

**Type:** Array of type string

**Required:** False

## apiEndpoint

The URI of the API, of the form {api-id}.execute-api.{region}.amazonaws.com. The stage name is typically appended to this URI to form a complete path to a deployed API stage.

**Type:** string

**Required:** False

**Format:** uri

## apiGatewayManaged

Specifies whether an API is managed by API Gateway. You can't update or delete a managed API by using API Gateway. A managed API can be deleted only through the tooling or service that created it.

**Type:** boolean

**Required:** False

## createdDate

The timestamp when the API was created.

**Type:** string

**Required:** False

**Format:** date-time

## tags

A collection of tags associated with the API.

**Type:** [Tags](#)

**Required:** False

## **corsConfiguration**

A CORS configuration. Supported only for HTTP APIs.

**Type:** [Cors](#)

**Required:** False

## **disableExecuteApiEndpoint**

Specifies whether clients can invoke your API by using the default `execute-api` endpoint. By default, clients can invoke your API with the default `https://{api_id}.execute-api.{region}.amazonaws.com` endpoint. To require that clients use a custom domain name to invoke your API, disable the default endpoint.

**Type:** boolean

**Required:** False

## **BadRequestException**

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

## **ConflictException**

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### **message**

Describes the error encountered.



**Type:** string

**Required:** False

## Cors

Represents a CORS configuration. Supported only for HTTP APIs. See [Configuring CORS](#) for more information.

### allowOrigins

Represents a collection of allowed origins. Supported only for HTTP APIs.

**Type:** Array of type string

**Required:** False

### allowCredentials

Specifies whether credentials are included in the CORS request. Supported only for HTTP APIs.

**Type:** boolean

**Required:** False

### exposeHeaders

Represents a collection of exposed headers. Supported only for HTTP APIs.

**Type:** Array of type string

**Required:** False

### maxAge

The number of seconds that the browser should cache preflight request results. Supported only for HTTP APIs.

**Type:** integer

**Required:** False

## **allowMethods**

Represents a collection of allowed HTTP methods. Supported only for HTTP APIs.

**Type:** Array of type string

**Required:** False

## **allowHeaders**

Represents a collection of allowed headers. Supported only for HTTP APIs.

**Type:** Array of type string

**Required:** False

## **LimitExceededException**

A limit has been exceeded. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

### **limitType**

The limit type.

**Type:** string

**Required:** False

## **NotFoundException**

The resource specified in the request was not found. See the message field for more information.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

### **resourceType**

The resource type.

**Type:** string

**Required:** False

### **ProtocolType**

Represents a protocol type.

WEBSOCKET

HTTP

### **ReimportApiInput**

Overwrites the configuration of an existing API using the provided definition. Supported only for HTTP APIs.

#### **body**

The OpenAPI definition. Supported only for HTTP APIs.

**Type:** string

**Required:** True

### **Tags**

Represents a collection of tags associated with the resource.

#### **key-value pairs**

**Type:** string

### **UpdateApiInput**

Represents the input parameters for an UpdateApi request.

**name**

The name of the API.

**Type:** string

**Required:** False

**description**

The description of the API.

**Type:** string

**Required:** False

**version**

A version identifier for the API.

**Type:** string

**Required:** False

**routeSelectionExpression**

The route selection expression for the API. For HTTP APIs, the `routeSelectionExpression` must be `${request.method} ${request.path}`. If not provided, this will be the default for HTTP APIs. This property is required for WebSocket APIs.

**Type:** string

**Required:** False

**apiKeySelectionExpression**

An API key selection expression. Supported only for WebSocket APIs. See [API Key Selection Expressions](#).

**Type:** string

**Required:** False

## **disableSchemaValidation**

Avoid validating models when creating a deployment. Supported only for WebSocket APIs.

**Type:** boolean

**Required:** False

## **target**

This property is part of quick create. For HTTP integrations, specify a fully qualified URL. For Lambda integrations, specify a function ARN. The type of the integration will be HTTP\_PROXY or AWS\_PROXY, respectively. The value provided updates the integration URI and integration type. You can update a quick-created target, but you can't remove it from an API. Supported only for HTTP APIs.

**Type:** string

**Required:** False

## **credentialsArn**

This property is part of quick create. It specifies the credentials required for the integration, if any. For a Lambda integration, three options are available. To specify an IAM Role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To require that the caller's identity be passed through from the request, specify `arn:aws:iam::*:user/*`. To use resource-based permissions on supported AWS services, don't specify this parameter. Currently, this property is not used for HTTP integrations. If provided, this value replaces the credentials associated with the quick create integration. Supported only for HTTP APIs.

**Type:** string

**Required:** False

## **routeKey**

This property is part of quick create. If not specified, the route created using quick create is kept. Otherwise, this value replaces the route key of the quick create route. Additional routes may still be added after the API is updated. Supported only for HTTP APIs.

**Type:** string

**Required:** False

## **corsConfiguration**

A CORS configuration. Supported only for HTTP APIs.

**Type:** [Cors](#)

**Required:** False

## **disableExecuteApiEndpoint**

Specifies whether clients can invoke your API by using the default `execute-api` endpoint. By default, clients can invoke your API with the default `https://{api_id}.execute-api.{region}.amazonaws.com` endpoint. To require that clients use a custom domain name to invoke your API, disable the default `execute-api` endpoint.

**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:

### **GetApi**

- [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](#)

## ReimportApi

- [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](#)

## DeleteApi

- [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](#)

## UpdateApi

- [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](#)

## ApiMapping

Represent an API mapping. An API mapping relates a path of your custom domain name to a stage of your API. A custom domain name can have multiple API mappings, but the paths can't overlap. To learn more, see [Set Up a Custom Domain Name for an API in API Gateway](#).

### URI

/v2/domainnames/*domainName*/apimappings/*apiMappingId*

### HTTP methods

#### GET

**Operation ID:** GetApiMapping

Gets an API mapping.

#### Path parameters

Name	Type	Required	Description
<i>apiMappingId</i>	String	True	The API mapping identifier.
<i>domainName</i>	String	True	The domain name.

#### Responses

Status code	Response model	Description
200	<a href="#">ApiMapping</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.



Status code	Response model	Description
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## DELETE

**Operation ID:** DeleteApiMapping

Deletes an API mapping.

### Path parameters

Name	Type	Required	Description
<i>apiMappingId</i>	String	True	The API mapping identifier.
<i>domainName</i>	String	True	The domain name.

### Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.

Status code	Response model	Description
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PATCH

**Operation ID:** UpdateApiMapping

The API mapping.

### Path parameters

Name	Type	Required	Description
<i>apiMappingId</i>	String	True	The API mapping identifier.
<i>domainName</i>	String	True	The domain name.

### Query parameters

Name	Type	Required	Description
apiId	String	True	The identifier of the API.

### Responses

Status code	Response model	Description
200	<a href="#">ApiMapping</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.

Status code	Response model	Description
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### PATCH schema

```
{
  "apiMappingKey": "string",
  "apiId": "string",
  "stage": "string"
}
```

### Response bodies

#### ApiMapping schema

```
{
  "apiMappingId": "string",
  "apiMappingKey": "string",
  "apiId": "string",
  "stage": "string"
}
```

#### BadRequestException schema

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

```
}
```

### NotFoundException schema

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

### ConflictException schema

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

### LimitExceededException schema

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

## Properties

### ApiMapping

Represents an API mapping.

#### apiMappingId

The API mapping identifier.

**Type:** string

**Required:** False

#### apiMappingKey

The API mapping key.

**Type:** string

**Required:** False

### **apId**

The API identifier.

**Type:** string

**Required:** True

### **stage**

The API stage.

**Type:** string

**Required:** True

## **BadRequestException**

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

## **ConflictException**

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### limitType

The limit type.

**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**Type:** string

**Required:** False

## UpdateApiMappingInput

Represents the input parameters for an UpdateApiMapping request.

### apiMappingKey

The API mapping key.

**Type:** string

**Required:** False

### apiId

The API identifier.

**Type:** string

**Required:** False

### stage

The API stage.

**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:

### GetApiMapping

- [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](#)

## DeleteApiMapping

- [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](#)

## UpdateApiMapping

- [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](#)

## ApiMappings

Represents a collection of API mappings.



## URI

/v2/domainnames/*domainName*/apimappings

## HTTP methods

### GET

**Operation ID:** GetApiMappings

Gets API mappings.

#### Path parameters

Name	Type	Required	Description
<i>domainName</i>	String	True	The domain name.

#### Query parameters

Name	Type	Required	Description
nextToken	String	False	The next page of elements from this collection. Not valid for the last element of the collection.
maxResults	String	False	The maximum number of elements to be returned for this resource.

#### Responses

Status code	Response model	Description
200	<a href="#">ApiMappings</a>	Success

Status code	Response model	Description
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## POST

**Operation ID:** CreateApiMapping

Creates an API mapping.

### Path parameters

Name	Type	Required	Description
<i>domainName</i>	String	True	The domain name.

### Responses

Status code	Response model	Description
201	<a href="#">ApiMapping</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.

Status code	Response model	Description
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### POST schema

```
{
  "apiMappingKey": "string",
  "apiId": "string",
  "stage": "string"
}
```

### Response bodies

#### ApiMappings schema

```
{
  "items": [
    {
      "apiMappingId": "string",
      "apiMappingKey": "string",
      "apiId": "string",
      "stage": "string"
    }
  ],
  "nextToken": "string"
}
```

#### ApiMapping schema

```
{
  "apiMappingId": "string",
```

```
"apiMappingKey": "string",  
"apiId": "string",  
"stage": "string"  
}
```

### BadRequestException schema

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

### NotFoundException schema

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

### ConflictException schema

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

### LimitExceededException schema

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

## Properties

### ApiMapping

Represents an API mapping.

## **apiMappingId**

The API mapping identifier.

**Type:** string

**Required:** False

## **apiMappingKey**

The API mapping key.

**Type:** string

**Required:** False

## **apiId**

The API identifier.

**Type:** string

**Required:** True

## **stage**

The API stage.

**Type:** string

**Required:** True

## **ApiMappings**

Represents a collection of ApiMappings resources.

### **items**

The elements from this collection.

**Type:** Array of type [ApiMapping](#)

**Required:** False

## **nextToken**

The next page of elements from this collection. Not valid for the last element of the collection.

**Type:** string

**Required:** False

## **BadRequestException**

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

## **ConflictException**

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

## **CreateApiMappingInput**

Represents the input parameters for a `CreateApiMapping` request.

### **apiMappingKey**

The API mapping key.

**Type:** string

**Required:** False

## **apild**

The API identifier.

**Type:** string

**Required:** True

## **stage**

The API stage.

**Type:** string

**Required:** True

## **LimitExceededException**

A limit has been exceeded. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

### **limitType**

The limit type.

**Type:** string

**Required:** False

## **NotFoundException**

The resource specified in the request was not found. See the message field for more information.

## message

Describes the error encountered.

**Type:** string

**Required:** False

## resourceType

The resource type.

**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:

### GetApiMappings

- [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](#)

### CreateApiMapping

- [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](#)

## Apis

Represents your APIs as a collection. A collection offers a paginated view of your APIs.

### URI

/v2/apis

### HTTP methods

#### GET

**Operation ID:** GetApis

Gets a collection of Api resources.

#### Query parameters

Name	Type	Required	Description
nextToken	String	False	The next page of elements from this collection. Not valid for the last element of the collection.
maxResults	String	False	The maximum number of elements to be returned for this resource.

## Responses

Status code	Response model	Description
200	<a href="#">Api</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## POST

### Operation ID: CreateApi

Creates an Api resource.

## Responses

Status code	Response model	Description
201	<a href="#">Api</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.

Status code	Response model	Description
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PUT

### Operation ID: ImportApi

Imports an API.

### Query parameters

Name	Type	Required	Description
failOnWarnings	String	False	Specifies whether to rollback the API creation when a warning is encountered. By default, API creation continues if a warning is encountered.
basepath	String	False	Specifies how to interpret the base path of the API during import. Valid values are <code>ignore</code> , <code>prepend</code> , and <code>split</code> . The default value is <code>ignore</code> . To learn more, see <a href="#">Set the OpenAPI basePath Property</a> . Supported only for HTTP APIs.

## Responses

Status code	Response model	Description
201	<a href="#">Api</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### POST schema

```
{
  "name": "string",
  "description": "string",
  "version": "string",
  "protocolType": enum,
  "routeSelectionExpression": "string",
  "apiKeySelectionExpression": "string",
  "disableSchemaValidation": boolean,
  "tags": {
  },
  "target": "string",
  "credentialsArn": "string",
  "routeKey": "string",
  "corsConfiguration": {
    "allowOrigins": [
```

```
    "string"
  ],
  "allowCredentials": boolean,
  "exposeHeaders": [
    "string"
  ],
  "maxAge": integer,
  "allowMethods": [
    "string"
  ],
  "allowHeaders": [
    "string"
  ]
},
"disableExecuteApiEndpoint": boolean
}
```

## PUT schema

```
{
  "body": "string"
}
```

## Response bodies

### Apis schema

```
{
  "items": [
    {
      "apiId": "string",
      "name": "string",
      "description": "string",
      "version": "string",
      "protocolType": enum,
      "routeSelectionExpression": "string",
      "apiKeySelectionExpression": "string",
      "disableSchemaValidation": boolean,
      "warnings": [
        "string"
      ],
      "importInfo": [
```

```

    "string"
  ],
  "apiEndpoint": "string",
  "apiGatewayManaged": boolean,
  "createdDate": "string",
  "tags": {
  },
  "corsConfiguration": {
    "allowOrigins": [
      "string"
    ],
    "allowCredentials": boolean,
    "exposeHeaders": [
      "string"
    ],
    "maxAge": integer,
    "allowMethods": [
      "string"
    ],
    "allowHeaders": [
      "string"
    ]
  ],
  "disableExecuteApiEndpoint": boolean
}
],
"nextToken": "string"
}

```

## Api schema

```

{
  "apiId": "string",
  "name": "string",
  "description": "string",
  "version": "string",
  "protocolType": enum,
  "routeSelectionExpression": "string",
  "apiKeySelectionExpression": "string",
  "disableSchemaValidation": boolean,
  "warnings": [
    "string"
  ],
}

```

```
"importInfo": [
  "string"
],
"apiEndpoint": "string",
"apiGatewayManaged": boolean,
"createdDate": "string",
"tags": {
},
"corsConfiguration": {
  "allowOrigins": [
    "string"
  ],
  "allowCredentials": boolean,
  "exposeHeaders": [
    "string"
  ],
  "maxAge": integer,
  "allowMethods": [
    "string"
  ],
  "allowHeaders": [
    "string"
  ]
},
"disableExecuteApiEndpoint": boolean
}
```

### BadRequestException schema

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

### NotFoundException schema

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

## ConflictException schema

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

## LimitExceededException schema

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

## Properties

### Api

Represents an API.

#### apild

The API ID.

**Type:** string

**Required:** False

#### name

The name of the API.

**Type:** string

**Required:** True

#### description

The description of the API.

**Type:** string



**Required:** False

## version

A version identifier for the API.

**Type:** string

**Required:** False

## protocolType

The API protocol.

**Type:** [ProtocolType](#)

**Required:** True

## routeSelectionExpression

The route selection expression for the API. For HTTP APIs, the `routeSelectionExpression` must be `${request.method} ${request.path}`. If not provided, this will be the default for HTTP APIs. This property is required for WebSocket APIs.

**Type:** string

**Required:** True

## apiKeySelectionExpression

An API key selection expression. Supported only for WebSocket APIs. See [API Key Selection Expressions](#).

**Type:** string

**Required:** False

## disableSchemaValidation

Avoid validating models when creating a deployment. Supported only for WebSocket APIs.

**Type:** boolean

**Required:** False

## warnings

The warning messages reported when `failonwarnings` is turned on during API import.

**Type:** Array of type string

**Required:** False

## importInfo

The validation information during API import. This may include particular properties of your OpenAPI definition which are ignored during import. Supported only for HTTP APIs.

**Type:** Array of type string

**Required:** False

## apiEndpoint

The URI of the API, of the form `{api-id}.execute-api.{region}.amazonaws.com`. The stage name is typically appended to this URI to form a complete path to a deployed API stage.

**Type:** string

**Required:** False

**Format:** uri

## apiGatewayManaged

Specifies whether an API is managed by API Gateway. You can't update or delete a managed API by using API Gateway. A managed API can be deleted only through the tooling or service that created it.

**Type:** boolean

**Required:** False

## createdDate

The timestamp when the API was created.

**Type:** string

**Required:** False

**Format:** date-time

## tags

A collection of tags associated with the API.

**Type:** [Tags](#)

**Required:** False

## corsConfiguration

A CORS configuration. Supported only for HTTP APIs.

**Type:** [Cors](#)

**Required:** False

## disableExecuteApiEndpoint

Specifies whether clients can invoke your API by using the default `execute-api` endpoint. By default, clients can invoke your API with the default `https://{api_id}.execute-api.{region}.amazonaws.com` endpoint. To require that clients use a custom domain name to invoke your API, disable the default endpoint.

**Type:** boolean

**Required:** False

## Apis

Represents a collection of APIs.

### items

The elements from this collection.

**Type:** Array of type [Api](#)

**Required:** False

## **nextToken**

The next page of elements from this collection. Not valid for the last element of the collection.

**Type:** string

**Required:** False

## **BadRequestException**

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

## **ConflictException**

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

## **Cors**

Represents a CORS configuration. Supported only for HTTP APIs. See [Configuring CORS](#) for more information.

### **allowOrigins**

Represents a collection of allowed origins. Supported only for HTTP APIs.

**Type:** Array of type string

**Required:** False

### **allowCredentials**

Specifies whether credentials are included in the CORS request. Supported only for HTTP APIs.

**Type:** boolean

**Required:** False

### **exposeHeaders**

Represents a collection of exposed headers. Supported only for HTTP APIs.

**Type:** Array of type string

**Required:** False

### **maxAge**

The number of seconds that the browser should cache preflight request results. Supported only for HTTP APIs.

**Type:** integer

**Required:** False

### **allowMethods**

Represents a collection of allowed HTTP methods. Supported only for HTTP APIs.

**Type:** Array of type string

**Required:** False

### **allowHeaders**

Represents a collection of allowed headers. Supported only for HTTP APIs.

**Type:** Array of type string

**Required:** False

## CreateApiInput

Represents the input parameters for a `CreateApi` request.

### name

The name of the API.

**Type:** string

**Required:** True

### description

The description of the API.

**Type:** string

**Required:** False

### version

A version identifier for the API.

**Type:** string

**Required:** False

### protocolType

The API protocol.

**Type:** [ProtocolType](#)

**Required:** True

### routeSelectionExpression

The route selection expression for the API. For HTTP APIs, the `routeSelectionExpression` must be `${request.method} ${request.path}`. If not provided, this will be the default for HTTP APIs. This property is required for WebSocket APIs.

**Type:** string

**Required:** False

## apiKeySelectionExpression

An API key selection expression. Supported only for WebSocket APIs. See [API Key Selection Expressions](#).

**Type:** string

**Required:** False

## disableSchemaValidation

Avoid validating models when creating a deployment. Supported only for WebSocket APIs.

**Type:** boolean

**Required:** False

## tags

The collection of tags. Each tag element is associated with a given resource.

**Type:** [Tags](#)

**Required:** False

## target

This property is part of quick create. Quick create produces an API with an integration, a default catch-all route, and a default stage which is configured to automatically deploy changes. For HTTP integrations, specify a fully qualified URL. For Lambda integrations, specify a function ARN. The type of the integration will be HTTP\_PROXY or AWS\_PROXY, respectively. Supported only for HTTP APIs.

**Type:** string

**Required:** False

## credentialsArn

This property is part of quick create. It specifies the credentials required for the integration, if any. For a Lambda integration, three options are available. To specify an IAM Role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To require that the caller's identity be

passed through from the request, specify `arn:aws:iam::*:user/*`. To use resource-based permissions on supported AWS services, specify `null`. Currently, this property is not used for HTTP integrations. Supported only for HTTP APIs.

**Type:** string

**Required:** False

### **routeKey**

This property is part of quick create. If you don't specify a `routeKey`, a default route of `$default` is created. The `$default` route acts as a catch-all for any request made to your API, for a particular stage. The `$default` route key can't be modified. You can add routes after creating the API, and you can update the route keys of additional routes. Supported only for HTTP APIs.

**Type:** string

**Required:** False

### **corsConfiguration**

A CORS configuration. Supported only for HTTP APIs. See [Configuring CORS](#) for more information.

**Type:** [Cors](#)

**Required:** False

### **disableExecuteApiEndpoint**

Specifies whether clients can invoke your API by using the default `execute-api` endpoint. By default, clients can invoke your API with the default `https://{api_id}.execute-api.{region}.amazonaws.com` endpoint. To require that clients use a custom domain name to invoke your API, disable the default endpoint.

**Type:** boolean

**Required:** False

### **ImportApiInput**

Represents the input to `ImportAPI`. Supported only for HTTP APIs.



## **body**

The OpenAPI definition. Supported only for HTTP APIs.

**Type:** string

**Required:** True

## **LimitExceededException**

A limit has been exceeded. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

### **limitType**

The limit type.

**Type:** string

**Required:** False

## **NotFoundException**

The resource specified in the request was not found. See the message field for more information.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

### **resourceType**

The resource type.

**Type:** string

**Required:** False

## ProtocolType

Represents a protocol type.

WEBSOCKET

HTTP

## Tags

Represents a collection of tags associated with the resource.

### key-value pairs

**Type:** string

## See also

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

## GetApis

- [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](#)

## CreateApi

- [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](#)

## ImportApi

- [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](#)

## Authorizer

Represents an authorizer. JWT authorizers are supported only for HTTP APIs.

## URI

`/v2/apis/apiId/authorizers/authorizerId`

## HTTP methods

### GET

**Operation ID:** GetAuthorizer

Gets an Authorizer.

#### Path parameters

Name	Type	Required	Description
<i>authorizerId</i>	String	True	The authorizer identifier.
<i>apiId</i>	String	True	The API identifier.

#### Responses

Status code	Response model	Description
200	<a href="#">Authorizer</a>	Success
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

### DELETE

**Operation ID:** DeleteAuthorizer

Deletes an Authorizer.

## Path parameters

Name	Type	Required	Description
<i>authorizerId</i>	String	True	The authorizer identifier.
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PATCH

### Operation ID: UpdateAuthorizer

Updates an Authorizer.

## Path parameters

Name	Type	Required	Description
<i>authorizerId</i>	String	True	The authorizer identifier.
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
200	<a href="#">Authorizer</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### PATCH schema

```
{
  "name": "string",
  "authorizerType": enum,
  "authorizerUri": "string",
  "authorizerCredentialsArn": "string",
  "identitySource": [
    "string"
  ],
  "identityValidationExpression": "string",
  "authorizerResultTtlInSeconds": integer,
  "jwtConfiguration": {
    "issuer": "string",
    "audience": [
      "string"
    ]
  },
  "authorizerPayloadFormatVersion": "string",
```

```
"enableSimpleResponses": boolean
}
```

## Response bodies

### Authorizer schema

```
{
  "authorizerId": "string",
  "name": "string",
  "authorizerType": enum,
  "authorizerUri": "string",
  "authorizerCredentialsArn": "string",
  "identitySource": [
    "string"
  ],
  "identityValidationExpression": "string",
  "authorizerResultTtlInSeconds": integer,
  "jwtConfiguration": {
    "issuer": "string",
    "audience": [
      "string"
    ]
  },
  "authorizerPayloadFormatVersion": "string",
  "enableSimpleResponses": boolean
}
```

### BadRequestException schema

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

### NotFoundException schema

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

## ConflictException schema

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

## LimitExceededException schema

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

## Properties

### Authorizer

Represents an authorizer.

#### authorizerId

The authorizer identifier.

**Type:** string

**Required:** False

#### name

The name of the authorizer.

**Type:** string

**Required:** True

#### authorizerType

The authorizer type. Specify REQUEST for a Lambda function using incoming request parameters. Specify JWT to use JSON Web Tokens (supported only for HTTP APIs).



**Type:** [AuthorizerType](#)

**Required:** False

### authorizerUri

The authorizer's Uniform Resource Identifier (URI). For REQUEST authorizers, this must be a well-formed Lambda function URI, for example, `arn:aws:apigateway:us-west-2:lambda:path/2015-03-31/functions/arn:aws:lambda:us-west-2:{account_id}:function:{lambda_function_name}/invocations`. In general, the URI has this form: `arn:aws:apigateway:{region}:lambda:path/{service_api}` , where {region} is the same as the region hosting the Lambda function, path indicates that the remaining substring in the URI should be treated as the path to the resource, including the initial /. For Lambda functions, this is usually of the form `/2015-03-31/functions/[FunctionARN]/invocations`. Supported only for REQUEST authorizers.

**Type:** string

**Required:** False

### authorizerCredentialsArn

Specifies the required credentials as an IAM role for API Gateway to invoke the authorizer. To specify an IAM role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To use resource-based permissions on the Lambda function, don't specify this parameter. Supported only for REQUEST authorizers.

**Type:** string

**Required:** False

### identitySource

The identity source for which authorization is requested.

For a REQUEST authorizer, this is optional. The value is a set of one or more mapping expressions of the specified request parameters. The identity source can be headers, query string parameters, stage variables, and context parameters. For example, if an Auth header and a Name query string parameter are defined as identity sources, this value is `route.request.header.Auth`, `route.request.querystring.Name` for WebSocket APIs. For HTTP APIs, use selection expressions

prefixed with `$`, for example, `$request.header.Auth`, `$request.querystring.Name`. These parameters are used to perform runtime validation for Lambda-based authorizers by verifying all of the identity-related request parameters are present in the request, not null, and non-empty. Only when this is true does the authorizer invoke the authorizer Lambda function. Otherwise, it returns a 401 Unauthorized response without calling the Lambda function. For HTTP APIs, identity sources are also used as the cache key when caching is enabled. To learn more, see [Working with AWS Lambda authorizers for HTTP APIs](#).

For JWT, a single entry that specifies where to extract the JSON Web Token (JWT) from inbound requests. Currently only header-based and query parameter-based selections are supported, for example `$request.header.Authorization`.

**Type:** Array of type string

**Required:** False

### **identityValidationExpression**

The validation expression does not apply to the REQUEST authorizer.

**Type:** string

**Required:** False

### **authorizerResultTtlInSeconds**

The time to live (TTL) for cached authorizer results, in seconds. If it equals 0, authorization caching is disabled. If it is greater than 0, API Gateway caches authorizer responses. The maximum value is 3600, or 1 hour. Supported only for HTTP API Lambda authorizers.

**Type:** integer

**Required:** False

### **jwtConfiguration**

Represents the configuration of a JWT authorizer. Required for the JWT authorizer type. Supported only for HTTP APIs.

**Type:** [JWTConfiguration](#)

**Required:** False

## authorizerPayloadFormatVersion

Specifies the format of the payload sent to an HTTP API Lambda authorizer. Required for HTTP API Lambda authorizers. Supported values are 1.0 and 2.0. To learn more, see [Working with AWS Lambda authorizers for HTTP APIs](#).

**Type:** string

**Required:** False

## enableSimpleResponses

Specifies whether a Lambda authorizer returns a response in a simple format. If enabled, the Lambda authorizer can return a boolean value instead of an IAM policy. Supported only for HTTP APIs. To learn more, see [Working with AWS Lambda authorizers for HTTP APIs](#).

**Type:** boolean

**Required:** False

## AuthorizerType

The authorizer type. Specify REQUEST for a Lambda function using incoming request parameters. Specify JWT to use JSON Web Tokens (supported only for HTTP APIs).

REQUEST

JWT

## BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## JWTConfiguration

Represents the configuration of a JWT authorizer. Required for the JWT authorizer type. Supported only for HTTP APIs.

### issuer

The base domain of the identity provider that issues JSON Web Tokens. For example, an Amazon Cognito user pool has the following format: `https://cognito-idp.{region}.amazonaws.com/{userPoolId}` . Required for the JWT authorizer type. Supported only for HTTP APIs.

**Type:** string

**Required:** False

### audience

A list of the intended recipients of the JWT. A valid JWT must provide an aud that matches at least one entry in this list. See [RFC 7519](#). Required for the JWT authorizer type. Supported only for HTTP APIs.

**Type:** Array of type string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

**message**

Describes the error encountered.

**Type:** string

**Required:** False

**limitType**

The limit type.

**Type:** string

**Required:** False

**NotFoundException**

The resource specified in the request was not found. See the message field for more information.

**message**

Describes the error encountered.

**Type:** string

**Required:** False

**resourceType**

The resource type.

**Type:** string

**Required:** False

**UpdateAuthorizerInput**

The input parameters for an `UpdateAuthorizer` request.

**name**

The name of the authorizer.

**Type:** string

**Required:** False

### authorizerType

The authorizer type. Specify REQUEST for a Lambda function using incoming request parameters. Specify JWT to use JSON Web Tokens (supported only for HTTP APIs).

**Type:** [AuthorizerType](#)

**Required:** False

### authorizerUri

The authorizer's Uniform Resource Identifier (URI). For REQUEST authorizers, this must be a well-formed Lambda function URI, for example, `arn:aws:apigateway:us-west-2:lambda:path/2015-03-31/functions/arn:aws:lambda:us-west-2:{account_id}:function:{lambda_function_name}/invocations`. In general, the URI has this form: `arn:aws:apigateway:{region}:lambda:path/{service_api}` , where `{region}` is the same as the region hosting the Lambda function, `path` indicates that the remaining substring in the URI should be treated as the path to the resource, including the initial `/`. For Lambda functions, this is usually of the form `/2015-03-31/functions/[FunctionARN]/invocations`. Supported only for REQUEST authorizers.

**Type:** string

**Required:** False

### authorizerCredentialsArn

Specifies the required credentials as an IAM role for API Gateway to invoke the authorizer. To specify an IAM role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To use resource-based permissions on the Lambda function, don't specify this parameter.

**Type:** string

**Required:** False

### identitySource

The identity source for which authorization is requested.

For a REQUEST authorizer, this is optional. The value is a set of one or more mapping expressions of the specified request parameters. The identity source can be headers, query string parameters, stage variables, and context parameters. For example, if an Auth header and a Name query string parameter are defined as identity sources, this value is `route.request.header.Auth`, `route.request.querystring.Name` for WebSocket APIs. For HTTP APIs, use selection expressions prefixed with `$`, for example, `$request.header.Auth`, `$request.querystring.Name`. These parameters are used to perform runtime validation for Lambda-based authorizers by verifying all of the identity-related request parameters are present in the request, not null, and non-empty. Only when this is true does the authorizer invoke the authorizer Lambda function. Otherwise, it returns a 401 Unauthorized response without calling the Lambda function. For HTTP APIs, identity sources are also used as the cache key when caching is enabled. To learn more, see [Working with AWS Lambda authorizers for HTTP APIs](#).

For JWT, a single entry that specifies where to extract the JSON Web Token (JWT) from inbound requests. Currently only header-based and query parameter-based selections are supported, for example `$request.header.Authorization`.

**Type:** Array of type string

**Required:** False

### **identityValidationExpression**

This parameter is not used.

**Type:** string

**Required:** False

### **authorizerResultTtlInSeconds**

The time to live (TTL) for cached authorizer results, in seconds. If it equals 0, authorization caching is disabled. If it is greater than 0, API Gateway caches authorizer responses. The maximum value is 3600, or 1 hour. Supported only for HTTP API Lambda authorizers.

**Type:** integer

**Required:** False

## jwtConfiguration

Represents the configuration of a JWT authorizer. Required for the JWT authorizer type. Supported only for HTTP APIs.

**Type:** [JWTConfiguration](#)

**Required:** False

## authorizerPayloadFormatVersion

Specifies the format of the payload sent to an HTTP API Lambda authorizer. Required for HTTP API Lambda authorizers. Supported values are 1.0 and 2.0. To learn more, see [Working with AWS Lambda authorizers for HTTP APIs](#).

**Type:** string

**Required:** False

## enableSimpleResponses

Specifies whether a Lambda authorizer returns a response in a simple format. By default, a Lambda authorizer must return an IAM policy. If enabled, the Lambda authorizer can return a boolean value instead of an IAM policy. Supported only for HTTP APIs. To learn more, see [Working with AWS Lambda authorizers for HTTP APIs](#).

**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:

### GetAuthorizer

- [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](#)

## DeleteAuthorizer

- [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](#)

## UpdateAuthorizer

- [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](#)

# Authorizers

Represents the collection of authorizers for an API.

## URI

/v2/apis/*apiId*/authorizers

## HTTP methods

### GET

**Operation ID:** GetAuthorizers

Gets the Authorizers for an API.

#### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

#### Query parameters

Name	Type	Required	Description
nextToken	String	False	The next page of elements from this collection. Not valid for the last element of the collection.
maxResults	String	False	The maximum number of elements to be returned for this resource.

## Responses

Status code	Response model	Description
200	<a href="#">Authorizers</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## POST

### Operation ID: CreateAuthorizer

Creates an Authorizer for an API.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
201	<a href="#">Authorizer</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.

Status code	Response model	Description
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### POST schema

```
{
  "name": "string",
  "authorizerType": enum,
  "authorizerUri": "string",
  "authorizerCredentialsArn": "string",
  "identitySource": [
    "string"
  ],
  "identityValidationExpression": "string",
  "authorizerResultTtlInSeconds": integer,
  "jwtConfiguration": {
    "issuer": "string",
    "audience": [
      "string"
    ]
  },
  "authorizerPayloadFormatVersion": "string",
  "enableSimpleResponses": boolean
}
```

### Response bodies

## Authorizers schema

```
{
  "items": [
    {
      "authorizerId": "string",
      "name": "string",
      "authorizerType": enum,
      "authorizerUri": "string",
      "authorizerCredentialsArn": "string",
      "identitySource": [
        "string"
      ],
      "identityValidationExpression": "string",
      "authorizerResultTtlInSeconds": integer,
      "jwtConfiguration": {
        "issuer": "string",
        "audience": [
          "string"
        ]
      },
      "authorizerPayloadFormatVersion": "string",
      "enableSimpleResponses": boolean
    }
  ],
  "nextToken": "string"
}
```

## Authorizer schema

```
{
  "authorizerId": "string",
  "name": "string",
  "authorizerType": enum,
  "authorizerUri": "string",
  "authorizerCredentialsArn": "string",
  "identitySource": [
    "string"
  ],
  "identityValidationExpression": "string",
  "authorizerResultTtlInSeconds": integer,
  "jwtConfiguration": {
    "issuer": "string",
```

```
  "audience": [  
    "string"  
  ],  
  "authorizerPayloadFormatVersion": "string",  
  "enableSimpleResponses": boolean  
}
```

### BadRequestException schema

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

### NotFoundException schema

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

### ConflictException schema

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

### LimitExceededException schema

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

## Properties

### Authorizer

Represents an authorizer.

## authorizerId

The authorizer identifier.

**Type:** string

**Required:** False

## name

The name of the authorizer.

**Type:** string

**Required:** True

## authorizerType

The authorizer type. Specify REQUEST for a Lambda function using incoming request parameters. Specify JWT to use JSON Web Tokens (supported only for HTTP APIs).

**Type:** [AuthorizerType](#)

**Required:** False

## authorizerUri

The authorizer's Uniform Resource Identifier (URI). For REQUEST authorizers, this must be a well-formed Lambda function URI, for example, `arn:aws:apigateway:us-west-2:lambda:path/2015-03-31/functions/arn:aws:lambda:us-west-2:{account_id}:function:{lambda_function_name}/invocations`. In general, the URI has this form: `arn:aws:apigateway:{region}:lambda:path/{service_api}`, where `{region}` is the same as the region hosting the Lambda function, `path` indicates that the remaining substring in the URI should be treated as the path to the resource, including the initial `/`. For Lambda functions, this is usually of the form `/2015-03-31/functions/[FunctionARN]/invocations`. Supported only for REQUEST authorizers.

**Type:** string

**Required:** False

## **authorizerCredentialsArn**

Specifies the required credentials as an IAM role for API Gateway to invoke the authorizer. To specify an IAM role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To use resource-based permissions on the Lambda function, don't specify this parameter. Supported only for REQUEST authorizers.

**Type:** string

**Required:** False

## **identitySource**

The identity source for which authorization is requested.

For a REQUEST authorizer, this is optional. The value is a set of one or more mapping expressions of the specified request parameters. The identity source can be headers, query string parameters, stage variables, and context parameters. For example, if an Auth header and a Name query string parameter are defined as identity sources, this value is `route.request.header.Auth`, `route.request.querystring.Name` for WebSocket APIs. For HTTP APIs, use selection expressions prefixed with `$`, for example, `$request.header.Auth`, `$request.querystring.Name`. These parameters are used to perform runtime validation for Lambda-based authorizers by verifying all of the identity-related request parameters are present in the request, not null, and non-empty. Only when this is true does the authorizer invoke the authorizer Lambda function. Otherwise, it returns a 401 Unauthorized response without calling the Lambda function. For HTTP APIs, identity sources are also used as the cache key when caching is enabled. To learn more, see [Working with AWS Lambda authorizers for HTTP APIs](#).

For JWT, a single entry that specifies where to extract the JSON Web Token (JWT) from inbound requests. Currently only header-based and query parameter-based selections are supported, for example `$request.header.Authorization`.

**Type:** Array of type string

**Required:** False

## **identityValidationExpression**

The validation expression does not apply to the REQUEST authorizer.

**Type:** string



**Required:** False

### **authorizerResultTtlInSeconds**

The time to live (TTL) for cached authorizer results, in seconds. If it equals 0, authorization caching is disabled. If it is greater than 0, API Gateway caches authorizer responses. The maximum value is 3600, or 1 hour. Supported only for HTTP API Lambda authorizers.

**Type:** integer

**Required:** False

### **jwtConfiguration**

Represents the configuration of a JWT authorizer. Required for the JWT authorizer type. Supported only for HTTP APIs.

**Type:** [JWTConfiguration](#)

**Required:** False

### **authorizerPayloadFormatVersion**

Specifies the format of the payload sent to an HTTP API Lambda authorizer. Required for HTTP API Lambda authorizers. Supported values are 1.0 and 2.0. To learn more, see [Working with AWS Lambda authorizers for HTTP APIs](#).

**Type:** string

**Required:** False

### **enableSimpleResponses**

Specifies whether a Lambda authorizer returns a response in a simple format. If enabled, the Lambda authorizer can return a boolean value instead of an IAM policy. Supported only for HTTP APIs. To learn more, see [Working with AWS Lambda authorizers for HTTP APIs](#).

**Type:** boolean

**Required:** False

## AuthorizerType

The authorizer type. Specify REQUEST for a Lambda function using incoming request parameters. Specify JWT to use JSON Web Tokens (supported only for HTTP APIs).

REQUEST

JWT

## Authorizers

Represents a collection of authorizers.

### items

The elements from this collection.

**Type:** Array of type [Authorizer](#)

**Required:** False

### nextToken

The next page of elements from this collection. Not valid for the last element of the collection.

**Type:** string

**Required:** False

## BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## CreateAuthorizerInput

Represents the input parameters for a `CreateAuthorizer` request.

### name

The name of the authorizer.

**Type:** string

**Required:** True

### authorizerType

The authorizer type. Specify `REQUEST` for a Lambda function using incoming request parameters. Specify `JWT` to use JSON Web Tokens (supported only for HTTP APIs).

**Type:** [AuthorizerType](#)

**Required:** True

### authorizerUri

The authorizer's Uniform Resource Identifier (URI). For `REQUEST` authorizers, this must be a well-formed Lambda function URI, for example, `arn:aws:apigateway:us-west-2:lambda:path/2015-03-31/functions/arn:aws:lambda:us-west-2:{account_id}:function:{lambda_function_name}/invocations`. In general, the URI has this form: `arn:aws:apigateway:{region}:lambda:path/{service_api}` ,

where {region} is the same as the region hosting the Lambda function, path indicates that the remaining substring in the URI should be treated as the path to the resource, including the initial /. For Lambda functions, this is usually of the form /2015-03-31/functions/[FunctionARN]/invocations. Supported only for REQUEST authorizers.

**Type:** string

**Required:** False

### **authorizerCredentialsArn**

Specifies the required credentials as an IAM role for API Gateway to invoke the authorizer. To specify an IAM role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To use resource-based permissions on the Lambda function, don't specify this parameter. Supported only for REQUEST authorizers.

**Type:** string

**Required:** False

### **identitySource**

The identity source for which authorization is requested.

For a REQUEST authorizer, this is optional. The value is a set of one or more mapping expressions of the specified request parameters. The identity source can be headers, query string parameters, stage variables, and context parameters. For example, if an Auth header and a Name query string parameter are defined as identity sources, this value is `route.request.header.Auth`, `route.request.querystring.Name` for WebSocket APIs. For HTTP APIs, use selection expressions prefixed with `$`, for example, `$request.header.Auth`, `$request.querystring.Name`. These parameters are used to perform runtime validation for Lambda-based authorizers by verifying all of the identity-related request parameters are present in the request, not null, and non-empty. Only when this is true does the authorizer invoke the authorizer Lambda function. Otherwise, it returns a 401 Unauthorized response without calling the Lambda function. For HTTP APIs, identity sources are also used as the cache key when caching is enabled. To learn more, see [Working with AWS Lambda authorizers for HTTP APIs](#).

For JWT, a single entry that specifies where to extract the JSON Web Token (JWT) from inbound requests. Currently only header-based and query parameter-based selections are supported, for example `$request.header.Authorization`.

**Type:** Array of type string

**Required:** True

### **identityValidationExpression**

This parameter is not used.

**Type:** string

**Required:** False

### **authorizerResultTtlInSeconds**

The time to live (TTL) for cached authorizer results, in seconds. If it equals 0, authorization caching is disabled. If it is greater than 0, API Gateway caches authorizer responses. The maximum value is 3600, or 1 hour. Supported only for HTTP API Lambda authorizers.

**Type:** integer

**Required:** False

### **jwtConfiguration**

Represents the configuration of a JWT authorizer. Required for the JWT authorizer type. Supported only for HTTP APIs.

**Type:** [JWTConfiguration](#)

**Required:** False

### **authorizerPayloadFormatVersion**

Specifies the format of the payload sent to an HTTP API Lambda authorizer. Required for HTTP API Lambda authorizers. Supported values are 1.0 and 2.0. To learn more, see [Working with AWS Lambda authorizers for HTTP APIs](#).

**Type:** string

**Required:** False

## enableSimpleResponses

Specifies whether a Lambda authorizer returns a response in a simple format. By default, a Lambda authorizer must return an IAM policy. If enabled, the Lambda authorizer can return a boolean value instead of an IAM policy. Supported only for HTTP APIs. To learn more, see [Working with AWS Lambda authorizers for HTTP APIs](#).

**Type:** boolean

**Required:** False

## JWTConfiguration

Represents the configuration of a JWT authorizer. Required for the JWT authorizer type. Supported only for HTTP APIs.

### issuer

The base domain of the identity provider that issues JSON Web Tokens. For example, an Amazon Cognito user pool has the following format: `https://cognito-idp.{region}.amazonaws.com/{userPoolId}` . Required for the JWT authorizer type. Supported only for HTTP APIs.

**Type:** string

**Required:** False

### audience

A list of the intended recipients of the JWT. A valid JWT must provide an aud that matches at least one entry in this list. See [RFC 7519](#). Required for the JWT authorizer type. Supported only for HTTP APIs.

**Type:** Array of type string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

**message**

Describes the error encountered.

**Type:** string

**Required:** False

**limitType**

The limit type.

**Type:** string

**Required:** False

**NotFoundException**

The resource specified in the request was not found. See the message field for more information.

**message**

Describes the error encountered.

**Type:** string

**Required:** False

**resourceType**

The resource type.

**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:

**GetAuthorizers**

- [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](#)

## CreateAuthorizer

- [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](#)

## AuthorizersCache

Represents the authorizers cache for a stage. Supported only for HTTP API Lambda authorizers.

### URI

`/v2/apis/apiId/stages/stageName/cache/authorizers`

### HTTP methods

#### DELETE

**Operation ID:** ResetAuthorizersCache



Resets all authorizer cache entries for the specified stage. Supported only for HTTP API Lambda authorizers.

## Path parameters

Name	Type	Required	Description
<i>stageName</i>	String	True	The stage name. Stage names can contain only alphanumeric characters, hyphens, and underscores, or be \$default. Maximum length is 128 characters.
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Response bodies

## NotFoundException schema

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

## LimitExceededException schema

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

## Properties

### LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

#### limitType

The limit type.

**Type:** string

**Required:** False

### NotFoundException

The resource specified in the request was not found. See the message field for more information.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## resourceType

The resource type.

**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:

## ResetAuthorizersCache

- [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](#)

## Cors

Represents a CORS configuration. Supported only for HTTP APIs.

## URI

`/v2/apis/apiId/cors`

# HTTP methods

## DELETE

**Operation ID:** DeleteCorsConfiguration

Deletes a CORS configuration.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

### Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Response bodies

#### NotFoundException schema

```
{
  "message": "string",
  "resourceType": "string"
```

```
}
```

## LimitExceededException schema

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

## Properties

### LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

#### limitType

The limit type.

**Type:** string

**Required:** False

### NotFoundException

The resource specified in the request was not found. See the message field for more information.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## resourceType

The resource type.

**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:

### DeleteCorsConfiguration

- [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](#)

## Deployment

Represents an API deployment.

### URI

`/v2/apis/apiId/deployments/deploymentId`

### HTTP methods

#### GET

**Operation ID:** GetDeployment

Gets a Deployment.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.
<i>deploymentId</i>	String	True	The deployment ID.

### Responses

Status code	Response model	Description
200	<a href="#">Deployment</a>	Success
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## DELETE

**Operation ID:** DeleteDeployment

Deletes a Deployment.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.
<i>deploymentId</i>	String	True	The deployment ID.

## Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PATCH

**Operation ID:** UpdateDeployment

Updates a Deployment.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.
<i>deploymentId</i>	String	True	The deployment ID.

## Responses

Status code	Response model	Description
200	<a href="#">Deployment</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.



Status code	Response model	Description
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### PATCH schema

```
{  
  "description": "string"  
}
```

### Response bodies

#### Deployment schema

```
{  
  "deploymentId": "string",  
  "description": "string",  
  "createdDate": "string",  
  "deploymentStatus": enum,  
  "deploymentStatusMessage": "string",  
  "autoDeployed": boolean  
}
```

#### BadRequestException schema

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

## NotFoundException schema

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

## ConflictException schema

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

## LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

## message

Describes the error encountered.

**Type:** string

**Required:** False

## Deployment

An immutable representation of an API that can be called by users. A Deployment must be associated with a Stage for it to be callable over the internet.

### deploymentId

The identifier for the deployment.

**Type:** string

**Required:** False

### description

The description for the deployment.

**Type:** string

**Required:** False

### createdDate

The date and time when the Deployment resource was created.

**Type:** string

**Required:** False

**Format:** date-time

### deploymentStatus

The status of the deployment: PENDING, FAILED, or SUCCEEDED.

**Type:** [DeploymentStatus](#)

**Required:** False

### **deploymentStatusMessage**

May contain additional feedback on the status of an API deployment.

**Type:** string

**Required:** False

### **autoDeployed**

Specifies whether a deployment was automatically released.

**Type:** boolean

**Required:** False

## **DeploymentStatus**

Represents a deployment status.

PENDING

FAILED

DEPLOYED

## **LimitExceededException**

A limit has been exceeded. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

### **limitType**

The limit type.

**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**Type:** string

**Required:** False

## UpdateDeploymentInput

Represents the input parameters for an UpdateDeployment request.

### description

The description for the deployment resource.

**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:

## GetDeployment

- [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](#)

## DeleteDeployment

- [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](#)

## UpdateDeployment

- [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](#)

## Deployments

Represents the collection of deployments for an API.

### URI

/v2/apis/*apiId*/deployments

### HTTP methods

#### GET

**Operation ID:** GetDeployments

Gets the Deployments for an API.

#### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

#### Query parameters

Name	Type	Required	Description
nextToken	String	False	The next page of elements from this collection. Not valid for the last element of the collection.
maxResults	String	False	The maximum number of elements to be returned for this resource.

## Responses

Status code	Response model	Description
200	<a href="#">Deployments</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## POST

### Operation ID: CreateDeployment

Creates a Deployment for an API.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
201	<a href="#">Deployment</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.



Status code	Response model	Description
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### POST schema

```
{
  "description": "string",
  "stageName": "string"
}
```

### Response bodies

#### Deployments schema

```
{
  "items": [
    {
      "deploymentId": "string",
      "description": "string",
      "createdDate": "string",
      "deploymentStatus": enum,
      "deploymentStatusMessage": "string",
      "autoDeployed": boolean
    }
  ],
  "nextToken": "string"
}
```

## Deployment schema

```
{
  "deploymentId": "string",
  "description": "string",
  "createdDate": "string",
  "deploymentStatus": enum,
  "deploymentStatusMessage": "string",
  "autoDeployed": boolean
}
```

## BadRequestException schema

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

## NotFoundException schema

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

## ConflictException schema

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

## LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### CreateDeploymentInput

Represents the input parameters for a `CreateDeployment` request.

#### description

The description for the deployment resource.

**Type:** string

**Required:** False

#### stageName

The name of an existing stage to associate with the deployment.

**Type:** string

**Required:** False

## Deployment

An immutable representation of an API that can be called by users. A Deployment must be associated with a Stage for it to be callable over the internet.

### deploymentId

The identifier for the deployment.

**Type:** string

**Required:** False

### description

The description for the deployment.

**Type:** string

**Required:** False

### createdDate

The date and time when the Deployment resource was created.

**Type:** string

**Required:** False

**Format:** date-time

### deploymentStatus

The status of the deployment: PENDING, FAILED, or SUCCEEDED.

**Type:** [DeploymentStatus](#)

**Required:** False

## deploymentStatusMessage

May contain additional feedback on the status of an API deployment.

**Type:** string

**Required:** False

## autoDeployed

Specifies whether a deployment was automatically released.

**Type:** boolean

**Required:** False

## DeploymentStatus

Represents a deployment status.

PENDING

FAILED

DEPLOYED

## Deployments

A collection resource that contains zero or more references to your existing deployments, and links that guide you on how to interact with your collection. The collection offers a paginated view of the contained deployments.

### items

The elements from this collection.

**Type:** Array of type [Deployment](#)

**Required:** False

### nextToken

The next page of elements from this collection. Not valid for the last element of the collection.

**Type:** string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### limitType

The limit type.

**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**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:

### GetDeployments

- [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](#)

### CreateDeployment

- [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](#)

## DomainName

Represents a domain name. See [Set up Custom Domain Name for an API in API Gateway](#).

## URI

/v2/domainnames/*domainName*

## HTTP methods

### GET

**Operation ID:** GetDomainName

Gets a domain name.

#### Path parameters

Name	Type	Required	Description
<i>domainName</i>	String	True	The domain name.

#### Responses

Status code	Response model	Description
200	<a href="#">DomainName</a>	Success
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

### DELETE

**Operation ID:** DeleteDomainName

Deletes a domain name.



## Path parameters

Name	Type	Required	Description
<i>domainName</i>	String	True	The domain name.

## Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PATCH

**Operation ID:** UpdateDomainName

Updates a domain name.

## Path parameters

Name	Type	Required	Description
<i>domainName</i>	String	True	The domain name.

## Responses

Status code	Response model	Description
200	<a href="#">DomainName</a>	Success

Status code	Response model	Description
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### PATCH schema

```
{
  "domainNameConfigurations": [
    {
      "apiGatewayDomainName": "string",
      "certificateArn": "string",
      "certificateName": "string",
      "certificateUploadDate": "string",
      "domainNameStatus": enum,
      "domainNameStatusMessage": "string",
      "endpointType": enum,
      "hostedZoneId": "string",
      "ownershipVerificationCertificateArn": "string",
      "securityPolicy": enum
    }
  ],
  "mutualTlsAuthentication": {
    "truststoreUri": "string",
    "truststoreVersion": "string"
  }
}
```

## Response bodies

### DomainName schema

```
{
  "domainName": "string",
  "domainNameConfigurations": [
    {
      "apiGatewayDomainName": "string",
      "certificateArn": "string",
      "certificateName": "string",
      "certificateUploadDate": "string",
      "domainNameStatus": enum,
      "domainNameStatusMessage": "string",
      "endpointType": enum,
      "hostedZoneId": "string",
      "ownershipVerificationCertificateArn": "string",
      "securityPolicy": enum
    }
  ],
  "apiMappingSelectionExpression": "string",
  "tags": {
  },
  "mutualTlsAuthentication": {
    "truststoreUri": "string",
    "truststoreVersion": "string",
    "truststoreWarnings": [
      "string"
    ]
  }
}
```

### BadRequestException schema

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

### NotFoundException schema

```
{
```

```
"message": "string",  
"resourceType": "string"  
}
```

### ConflictException schema

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

### LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## DomainName

Represents a domain name.

### domainName

The name of the DomainName resource.

**Type:** string

**Required:** True

### domainNameConfigurations

The domain name configurations.

**Type:** Array of type [DomainNameConfiguration](#)

**Required:** False

### apiMappingSelectionExpression

The API mapping selection expression.

**Type:** string

**Required:** False

### tags

The collection of tags associated with a domain name.

**Type:** [Tags](#)

**Required:** False

### mutualTlsAuthentication

The mutual TLS authentication configuration for a custom domain name.

**Type:** [MutualTlsAuthentication](#)

**Required:** False

## DomainNameConfiguration

The domain name configuration.

### apiGatewayDomainName

A domain name for the API.

**Type:** string

**Required:** False

### certificateArn

An AWS-managed certificate that will be used by the edge-optimized endpoint for this domain name. AWS Certificate Manager is the only supported source.

**Type:** string

**Required:** False

### certificateName

The user-friendly name of the certificate that will be used by the edge-optimized endpoint for this domain name.

**Type:** string

**Required:** False

### certificateUploadDate

The timestamp when the certificate that was used by edge-optimized endpoint for this domain name was uploaded.

**Type:** string

**Required:** False

**Format:** date-time

## domainNameStatus

Identifies the status of a domain name migration. Statuses can have a value of AVAILABLE, UPDATING, PENDING\_CERTIFICATE\_REIMPORT, or PENDING\_OWNERSHIP\_VERIFICATION. A domain can be modified if its status is AVAILABLE. If the domain's status is UPDATING, you must wait until the current operation is complete.

**Type:** [DomainNameStatus](#)

**Required:** False

## domainNameStatusMessage

An optional text message containing detailed information about status of the domain name migration.

**Type:** string

**Required:** False

## endpointType

The endpoint type.

**Type:** [EndpointType](#)

**Required:** False

## hostedZoneId

The Amazon Route 53 Hosted Zone ID of the endpoint.

**Type:** string

**Required:** False

## ownershipVerificationCertificateArn

The Amazon resource name (ARN) for the public certificate issued by AWS Certificate Manager. This ARN is used to validate custom domain ownership. It's required only if you configure mutual TLS and use either an ACM-imported or a private CA certificate ARN as the regionalCertificateArn.

**Type:** string

**Required:** False

## securityPolicy

The Transport Layer Security (TLS) version of the security policy for this domain name. The valid values are TLS\_1\_0 and TLS\_1\_2.

**Type:** [SecurityPolicy](#)

**Required:** False

## DomainNameStatus

Identifies the status of a domain name migration. Statuses can have a value of AVAILABLE, UPDATING, PENDING\_CERTIFICATE\_REIMPORT, or PENDING\_OWNERSHIP\_VERIFICATION. A domain can be modified if its status is AVAILABLE. If the domain's status is UPDATING, you must wait until the current operation is complete.

AVAILABLE

UPDATING

PENDING\_CERTIFICATE\_REIMPORT

PENDING\_OWNERSHIP\_VERIFICATION

## EndpointType

Represents an endpoint type.

REGIONAL

EDGE

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False



## limitType

The limit type.

**Type:** string

**Required:** False

## MutualTlsAuthentication

If specified, API Gateway performs two-way authentication between the client and the server. Clients must present a trusted certificate to access your API.

### truststoreUri

An Amazon S3 URL that specifies the truststore for mutual TLS authentication, for example, `s3://bucket-name/key-name` . The truststore can contain certificates from public or private certificate authorities. To update the truststore, upload a new version to S3, and then update your custom domain name to use the new version. To update the truststore, you must have permissions to access the S3 object.

**Type:** string

**Required:** False

### truststoreVersion

The version of the S3 object that contains your truststore. To specify a version, you must have versioning enabled for the S3 bucket.

**Type:** string

**Required:** False

### truststoreWarnings

A list of warnings that API Gateway returns while processing your truststore. Invalid certificates produce warnings. Mutual TLS is still enabled, but some clients might not be able to access your API. To resolve warnings, upload a new truststore to S3, and then update you domain name to use the new version.

**Type:** Array of type string

**Required:** False

## MutualTlsAuthenticationInput

If specified, API Gateway performs two-way authentication between the client and the server. Clients must present a trusted certificate to access your API.

### truststoreUri

An Amazon S3 URL that specifies the truststore for mutual TLS authentication, for example, `s3://bucket-name/key-name` . The truststore can contain certificates from public or private certificate authorities. To update the truststore, upload a new version to S3, and then update your custom domain name to use the new version. To update the truststore, you must have permissions to access the S3 object.

**Type:** string

**Required:** False

### truststoreVersion

The version of the S3 object that contains your truststore. To specify a version, you must have versioning enabled for the S3 bucket.

**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**Type:** string

**Required:** False

## SecurityPolicy

The Transport Layer Security (TLS) version of the security policy for this domain name. The valid values are TLS\_1\_0 and TLS\_1\_2.

TLS\_1\_0

TLS\_1\_2

## Tags

Represents a collection of tags associated with the resource.

### key-value pairs

**Type:** string

## UpdateDomainNameInput

Represents the input parameters for an UpdateDomainName request.

### domainNameConfigurations

The domain name configurations.

**Type:** Array of type [DomainNameConfiguration](#)

**Required:** False

### mutualTlsAuthentication

The mutual TLS authentication configuration for a custom domain name.

**Type:** [MutualTlsAuthenticationInput](#)

**Required:** False

## See also

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

### GetDomainName

- [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](#)

### DeleteDomainName

- [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](#)

### UpdateDomainName

- [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](#)

## DomainNames

Represents a collection of domain names. See [Set up Custom Domain Name for an API in API Gateway](#).

### URI

/v2/domainnames

### HTTP methods

#### GET

**Operation ID:** GetDomainNames

Gets the domain names for an AWS account.

#### Query parameters

Name	Type	Required	Description
nextToken	String	False	The next page of elements from this collection. Not valid for the last element of the collection.

Name	Type	Required	Description
maxResults	String	False	The maximum number of elements to be returned for this resource.

## Responses

Status code	Response model	Description
200	<a href="#">DomainNames</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## POST

**Operation ID:** CreateDomainName

Creates a domain name.

## Responses

Status code	Response model	Description
201	<a href="#">DomainName</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.

Status code	Response model	Description
403	<a href="#">AccessDeniedException</a>	403 response
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### POST schema

```
{
  "domainName": "string",
  "domainNameConfigurations": [
    {
      "apiGatewayDomainName": "string",
      "certificateArn": "string",
      "certificateName": "string",
      "certificateUploadDate": "string",
      "domainNameStatus": enum,
      "domainNameStatusMessage": "string",
      "endpointType": enum,
      "hostedZoneId": "string",
      "ownershipVerificationCertificateArn": "string",
      "securityPolicy": enum
    }
  ],
  "tags": {
  },
  "mutualTlsAuthentication": {
    "truststoreUri": "string",
    "truststoreVersion": "string"
  }
}
```

```
}  
}
```

## Response bodies

### DomainNames schema

```
{  
  "items": [  
    {  
      "domainName": "string",  
      "domainNameConfigurations": [  
        {  
          "apiGatewayDomainName": "string",  
          "certificateArn": "string",  
          "certificateName": "string",  
          "certificateUploadDate": "string",  
          "domainNameStatus": enum,  
          "domainNameStatusMessage": "string",  
          "endpointType": enum,  
          "hostedZoneId": "string",  
          "ownershipVerificationCertificateArn": "string",  
          "securityPolicy": enum  
        }  
      ],  
      "apiMappingSelectionExpression": "string",  
      "tags": {  
      },  
      "mutualTlsAuthentication": {  
        "truststoreUri": "string",  
        "truststoreVersion": "string",  
        "truststoreWarnings": [  
          "string"  
        ]  
      }  
    }  
  ],  
  "nextToken": "string"  
}
```



## DomainName schema

```
{
  "domainName": "string",
  "domainNameConfigurations": [
    {
      "apiGatewayDomainName": "string",
      "certificateArn": "string",
      "certificateName": "string",
      "certificateUploadDate": "string",
      "domainNameStatus": enum,
      "domainNameStatusMessage": "string",
      "endpointType": enum,
      "hostedZoneId": "string",
      "ownershipVerificationCertificateArn": "string",
      "securityPolicy": enum
    }
  ],
  "apiMappingSelectionExpression": "string",
  "tags": {
  },
  "mutualTlsAuthentication": {
    "truststoreUri": "string",
    "truststoreVersion": "string",
    "truststoreWarnings": [
      "string"
    ]
  }
}
```

## BadRequestException schema

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

## AccessDeniedException schema

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

## NotFoundException schema

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

## ConflictException schema

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

## LimitExceededException schema

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

## Properties

### AccessDeniedException

#### message

**Type:** string

**Required:** False

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## CreateDomainNameInput

Represents the input parameters for a CreateDomainName request.

### domainName

The domain name.

**Type:** string

**Required:** True

### domainNameConfigurations

The domain name configurations.

**Type:** Array of type [DomainNameConfiguration](#)

**Required:** False

### tags

The collection of tags associated with a domain name.

**Type:** [Tags](#)

**Required:** False

## mutualTlsAuthentication

The mutual TLS authentication configuration for a custom domain name.

**Type:** [MutualTlsAuthenticationInput](#)

**Required:** False

## DomainName

Represents a domain name.

### domainName

The name of the DomainName resource.

**Type:** string

**Required:** True

## domainNameConfigurations

The domain name configurations.

**Type:** Array of type [DomainNameConfiguration](#)

**Required:** False

## apiMappingSelectionExpression

The API mapping selection expression.

**Type:** string

**Required:** False

## tags

The collection of tags associated with a domain name.

**Type:** [Tags](#)

**Required:** False

## **mutualTlsAuthentication**

The mutual TLS authentication configuration for a custom domain name.

**Type:** [MutualTlsAuthentication](#)

**Required:** False

## **DomainNameConfiguration**

The domain name configuration.

### **apiGatewayDomainName**

A domain name for the API.

**Type:** string

**Required:** False

### **certificateArn**

An AWS-managed certificate that will be used by the edge-optimized endpoint for this domain name. AWS Certificate Manager is the only supported source.

**Type:** string

**Required:** False

### **certificateName**

The user-friendly name of the certificate that will be used by the edge-optimized endpoint for this domain name.

**Type:** string

**Required:** False

### **certificateUploadDate**

The timestamp when the certificate that was used by edge-optimized endpoint for this domain name was uploaded.

**Type:** string

**Required:** False

**Format:** date-time

### **domainNameStatus**

Identifies the status of a domain name migration. Statuses can have a value of AVAILABLE, UPDATING, PENDING\_CERTIFICATE\_REIMPORT, or PENDING\_OWNERSHIP\_VERIFICATION. A domain can be modified if its status is AVAILABLE. If the domain's status is UPDATING, you must wait until the current operation is complete.

**Type:** [DomainNameStatus](#)

**Required:** False

### **domainNameStatusMessage**

An optional text message containing detailed information about status of the domain name migration.

**Type:** string

**Required:** False

### **endpointType**

The endpoint type.

**Type:** [EndpointType](#)

**Required:** False

### **hostedZoneId**

The Amazon Route 53 Hosted Zone ID of the endpoint.

**Type:** string

**Required:** False

## ownershipVerificationCertificateArn

The Amazon resource name (ARN) for the public certificate issued by AWS Certificate Manager. This ARN is used to validate custom domain ownership. It's required only if you configure mutual TLS and use either an ACM-imported or a private CA certificate ARN as the regionalCertificateArn.

**Type:** string

**Required:** False

## securityPolicy

The Transport Layer Security (TLS) version of the security policy for this domain name. The valid values are TLS\_1\_0 and TLS\_1\_2.

**Type:** [SecurityPolicy](#)

**Required:** False

## DomainNameStatus

Identifies the status of a domain name migration. Statuses can have a value of AVAILABLE, UPDATING, PENDING\_CERTIFICATE\_REIMPORT, or PENDING\_OWNERSHIP\_VERIFICATION. A domain can be modified if its status is AVAILABLE. If the domain's status is UPDATING, you must wait until the current operation is complete.

AVAILABLE

UPDATING

PENDING\_CERTIFICATE\_REIMPORT

PENDING\_OWNERSHIP\_VERIFICATION

## DomainNames

Represents a collection of domain names.

### items

The elements from this collection.

**Type:** Array of type [DomainName](#)

**Required:** False

### **nextToken**

The next page of elements from this collection. Not valid for the last element of the collection.

**Type:** string

**Required:** False

### **EndpointType**

Represents an endpoint type.

REGIONAL

EDGE

### **LimitExceededException**

A limit has been exceeded. See the accompanying error message for details.

#### **message**

Describes the error encountered.

**Type:** string

**Required:** False

#### **limitType**

The limit type.

**Type:** string

**Required:** False

### **MutualTlsAuthentication**

If specified, API Gateway performs two-way authentication between the client and the server. Clients must present a trusted certificate to access your API.



## truststoreUri

An Amazon S3 URL that specifies the truststore for mutual TLS authentication, for example, `s3://bucket-name/key-name` . The truststore can contain certificates from public or private certificate authorities. To update the truststore, upload a new version to S3, and then update your custom domain name to use the new version. To update the truststore, you must have permissions to access the S3 object.

**Type:** string

**Required:** False

## truststoreVersion

The version of the S3 object that contains your truststore. To specify a version, you must have versioning enabled for the S3 bucket.

**Type:** string

**Required:** False

## truststoreWarnings

A list of warnings that API Gateway returns while processing your truststore. Invalid certificates produce warnings. Mutual TLS is still enabled, but some clients might not be able to access your API. To resolve warnings, upload a new truststore to S3, and then update you domain name to use the new version.

**Type:** Array of type string

**Required:** False

## MutualTlsAuthenticationInput

If specified, API Gateway performs two-way authentication between the client and the server. Clients must present a trusted certificate to access your API.

## truststoreUri

An Amazon S3 URL that specifies the truststore for mutual TLS authentication, for example, `s3://bucket-name/key-name` . The truststore can contain certificates from public or private certificate authorities. To update the truststore, upload a new version to S3, and then update your

custom domain name to use the new version. To update the truststore, you must have permissions to access the S3 object.

**Type:** string

**Required:** False

### **truststoreVersion**

The version of the S3 object that contains your truststore. To specify a version, you must have versioning enabled for the S3 bucket.

**Type:** string

**Required:** False

## **NotFoundException**

The resource specified in the request was not found. See the message field for more information.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

### **resourceType**

The resource type.

**Type:** string

**Required:** False

## **SecurityPolicy**

The Transport Layer Security (TLS) version of the security policy for this domain name. The valid values are TLS\_1\_0 and TLS\_1\_2.

TLS\_1\_0

TLS\_1\_2

## Tags

Represents a collection of tags associated with the resource.

### key-value pairs

**Type:** string

## See also

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

### GetDomainNames

- [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](#)

### CreateDomainName

- [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](#)

## ExportedAPI

Represents an exported definition of an API in a particular output format, for example, YAML. The API is serialized to the requested specification, for example, OpenAPI 3.0.

### URI

`/v2/apis/apiId/exports/specification`

### HTTP methods

#### GET

**Operation ID:** ExportApi

Exports a definition of an API in a particular output format and specification.

#### Path parameters

Name	Type	Required	Description
<i>specification</i>	String	True	The version of the API specification to use. OAS30, for OpenAPI 3.0, is the only supported value.
<i>apiId</i>	String	True	The API identifier.

#### Query parameters

Name	Type	Required	Description
includeExtensions	String	False	Specifies whether to include <a href="#">API Gateway extension</a>

Name	Type	Required	Description
			<a href="#">s</a> in the exported API definition. API Gateway extension s are included by default.
stageName	String	False	The name of the API stage to export. If you don't specify this property, a representation of the latest API configuration is exported.
exportVersion	String	False	The version of the API Gateway export algorithm. API Gateway uses the latest version by default. Currently, the only supported version is 1.0.
outputType	String	True	The output type of the exported definition file. Valid values are JSON and YAML.

## Responses

Status code	Response model	Description
200	<a href="#">ExportedApi</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.

Status code	Response model	Description
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Response bodies

#### ExportedApi schema

```
"string"
```

#### BadRequestException schema

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

#### NotFoundException schema

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

#### LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

#### limitType

The limit type.

**Type:** string

**Required:** False

### NotFoundException

The resource specified in the request was not found. See the message field for more information.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## resourceType

The resource type.

**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:

## ExportApi

- [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](#)

## Integration

Represents an API integration.

## URI

`/v2/apis/apiId/integrations/integrationId`



## HTTP methods

### GET

**Operation ID:** GetIntegration

Gets an Integration.

#### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.
<i>integrationId</i>	String	True	The integration ID.

#### Responses

Status code	Response model	Description
200	<a href="#">Integration</a>	Success
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

### DELETE

**Operation ID:** DeleteIntegration

Deletes an Integration.

#### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

Name	Type	Required	Description
<i>integrationId</i>	String	True	The integration ID.

## Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PATCH

### Operation ID: UpdateIntegration

Updates an Integration.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.
<i>integrationId</i>	String	True	The integration ID.

## Responses

Status code	Response model	Description
200	<a href="#">Integration</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### PATCH schema

```
{
  "description": "string",
  "integrationType": enum,
  "integrationSubtype": "string",
  "integrationMethod": "string",
  "integrationUri": "string",
  "tlsConfig": {
    "serverNameToVerify": "string"
  },
  "credentialsArn": "string",
  "connectionType": enum,
  "connectionId": "string",
  "requestParameters": {
  },
  "responseParameters": {
  },
  "requestTemplates": {
```

```
},
  "templateSelectionExpression": "string",
  "passthroughBehavior": enum,
  "contentHandlingStrategy": enum,
  "timeoutInMillis": integer,
  "payloadFormatVersion": "string"
}
```

## Response bodies

### Integration schema

```
{
  "integrationId": "string",
  "description": "string",
  "integrationType": enum,
  "integrationSubtype": "string",
  "integrationMethod": "string",
  "integrationUri": "string",
  "tlsConfig": {
    "serverNameToVerify": "string"
  },
  "credentialsArn": "string",
  "connectionType": enum,
  "connectionId": "string",
  "requestParameters": {
  },
  "responseParameters": {
  },
  "requestTemplates": {
  },
  "templateSelectionExpression": "string",
  "passthroughBehavior": enum,
  "contentHandlingStrategy": enum,
  "timeoutInMillis": integer,
  "integrationResponseSelectionExpression": "string",
  "payloadFormatVersion": "string",
  "apiGatewayManaged": boolean
}
```

## BadRequestException schema

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

## NotFoundException schema

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

## ConflictException schema

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

## LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConnectionType

Represents a connection type.

INTERNET

VPC\_LINK

## ContentHandlingStrategy

Specifies how to handle response payload content type conversions. Supported only for WebSocket APIs.

CONVERT\_TO\_BINARY

CONVERT\_TO\_TEXT

## Integration

Represents an integration.

### integrationId

Represents the identifier of an integration.

**Type:** string

**Required:** False

## description

Represents the description of an integration.

**Type:** string

**Required:** False

## integrationType

The integration type of an integration. One of the following:

**AWS:** for integrating the route or method request with an AWS service action, including the Lambda function-invoking action. With the Lambda function-invoking action, this is referred to as the Lambda custom integration. With any other AWS service action, this is known as AWS integration. Supported only for WebSocket APIs.

**AWS\_PROXY:** for integrating the route or method request with a Lambda function or other AWS service action. This integration is also referred to as a Lambda proxy integration.

**HTTP:** for integrating the route or method request with an HTTP endpoint. This integration is also referred to as the HTTP custom integration. Supported only for WebSocket APIs.

**HTTP\_PROXY:** for integrating the route or method request with an HTTP endpoint, with the client request passed through as-is. This is also referred to as HTTP proxy integration.

**MOCK:** for integrating the route or method request with API Gateway as a "loopback" endpoint without invoking any backend. Supported only for WebSocket APIs.

**Type:** [IntegrationType](#)

**Required:** False

## integrationSubtype

Supported only for HTTP API AWS\_PROXY integrations. Specifies the AWS service action to invoke. To learn more, see [Integration subtype reference](#).

**Type:** string

**Required:** False

## integrationMethod

Specifies the integration's HTTP method type.

**Type:** string

**Required:** False

## integrationUri

For a Lambda integration, specify the URI of a Lambda function.

For an HTTP integration, specify a fully-qualified URL.

For an HTTP API private integration, specify the ARN of an Application Load Balancer listener, Network Load Balancer listener, or AWS Cloud Map service. If you specify the ARN of an AWS Cloud Map service, API Gateway uses `DiscoverInstances` to identify resources. You can use query parameters to target specific resources. To learn more, see [DiscoverInstances](#). For private integrations, all resources must be owned by the same AWS account.

**Type:** string

**Required:** False

## tlsConfig

The TLS configuration for a private integration. If you specify a TLS configuration, private integration traffic uses the HTTPS protocol. Supported only for HTTP APIs.

**Type:** [TlsConfig](#)

**Required:** False

## credentialsArn

Specifies the credentials required for the integration, if any. For AWS integrations, three options are available. To specify an IAM Role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To require that the caller's identity be passed through from the request, specify the string `arn:aws:iam::*:user/*`. To use resource-based permissions on supported AWS services, don't specify this parameter.

**Type:** string

**Required:** False



## connectionType

The type of the network connection to the integration endpoint. Specify `INTERNET` for connections through the public routable internet or `VPC_LINK` for private connections between API Gateway and resources in a VPC. The default value is `INTERNET`.

**Type:** [ConnectionType](#)

**Required:** False

## connectionId

The ID of the VPC link for a private integration. Supported only for HTTP APIs.

**Type:** string

**Required:** False

## requestParameters

For WebSocket APIs, a key-value map specifying request parameters that are passed from the method request to the backend. The key is an integration request parameter name and the associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the backend. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where `{location}` is `queryString`, `path`, or `header`; and `{name}` must be a valid and unique method request parameter name.

For HTTP API integrations with a specified `integrationSubtype`, request parameters are a key-value map specifying parameters that are passed to `AWS_PROXY` integrations. You can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Working with AWS service integrations for HTTP APIs](#).

For HTTP API integrations without a specified `integrationSubtype` request parameters are a key-value map specifying how to transform HTTP requests before sending them to backend integrations. The key should follow the pattern `<action>:<header|queryString|path>.<location>`. The action can be `append`, `overwrite` or `remove`. For values, you can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Transforming API requests and responses](#).

**Type:** [IntegrationParameters](#)

**Required:** False

## responseParameters

Supported only for HTTP APIs. You use response parameters to transform the HTTP response from a backend integration before returning the response to clients. Specify a key-value map from a selection key to response parameters. The selection key must be a valid HTTP status code within the range of 200-599. Response parameters are a key-value map. The key must match the pattern `<action>:<header>.<location>` or `overwrite.statuscode`. The action can be `append`, `overwrite` or `remove`. The value can be a static value, or map to response data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Transforming API requests and responses](#).

**Type:** [ResponseParameters](#)

**Required:** False

## requestTemplates

Represents a map of Velocity templates that are applied on the request payload based on the value of the Content-Type header sent by the client. The content type value is the key in this map, and the template (as a String) is the value. Supported only for WebSocket APIs.

**Type:** [TemplateMap](#)

**Required:** False

## templateSelectionExpression

The template selection expression for the integration. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

## passthroughBehavior

Specifies the pass-through behavior for incoming requests based on the Content-Type header in the request, and the available mapping templates specified as the `requestTemplates` property on the Integration resource. There are three valid values: `WHEN_NO_MATCH`, `WHEN_NO_TEMPLATES`, and `NEVER`. Supported only for WebSocket APIs.

WHEN\_NO\_MATCH passes the request body for unmapped content types through to the integration backend without transformation.

NEVER rejects unmapped content types with an HTTP 415 Unsupported Media Type response.

WHEN\_NO\_TEMPLATES allows pass-through when the integration has no content types mapped to templates. However, if there is at least one content type defined, unmapped content types will be rejected with the same HTTP 415 Unsupported Media Type response.

**Type:** [PassthroughBehavior](#)

**Required:** False

### **contentHandlingStrategy**

Supported only for WebSocket APIs. Specifies how to handle response payload content type conversions. Supported values are CONVERT\_TO\_BINARY and CONVERT\_TO\_TEXT, with the following behaviors:

CONVERT\_TO\_BINARY: Converts a response payload from a Base64-encoded string to the corresponding binary blob.

CONVERT\_TO\_TEXT: Converts a response payload from a binary blob to a Base64-encoded string.

If this property is not defined, the response payload will be passed through from the integration response to the route response or method response without modification.

**Type:** [ContentHandlingStrategy](#)

**Required:** False

### **timeoutInMillis**

Custom timeout between 50 and 29,000 milliseconds for WebSocket APIs and between 50 and 30,000 milliseconds for HTTP APIs. The default timeout is 29 seconds for WebSocket APIs and 30 seconds for HTTP APIs.

**Type:** integer

**Required:** False

## integrationResponseSelectionExpression

The integration response selection expression for the integration. Supported only for WebSocket APIs. See [Integration Response Selection Expressions](#).

**Type:** string

**Required:** False

## payloadFormatVersion

Specifies the format of the payload sent to an integration. Required for HTTP APIs. For HTTP APIs, supported values for Lambda proxy integrations are 1.0 and 2.0. For all other integrations, 1.0 is the only supported value. To learn more, see [Working with AWS Lambda proxy integrations for HTTP APIs](#).

**Type:** string

**Required:** False

## apiGatewayManaged

Specifies whether an integration is managed by API Gateway. If you created an API using using quick create, the resulting integration is managed by API Gateway. You can update a managed integration, but you can't delete it.

**Type:** boolean

**Required:** False

## IntegrationParameters

For WebSocket APIs, a key-value map specifying request parameters that are passed from the method request to the backend. The key is an integration request parameter name and the associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the backend. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where `{location}` is `queryString`, `path`, or `header`; and `{name}` must be a valid and unique method request parameter name.

For HTTP API integrations with a specified `integrationSubtype`, request parameters are a key-value map specifying parameters that are passed to `AWS_PROXY` integrations. You can provide

static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Working with AWS service integrations for HTTP APIs](#).

For HTTP API integrations without a specified `integrationSubtype` request parameters are a key-value map specifying how to transform HTTP requests before sending them to the backend. The key should follow the pattern `<action>:<header|querystring|path>.<location>` where action can be `append`, `overwrite` or `remove`. For values, you can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Transforming API requests and responses](#).

### key-value pairs

**Type:** string

## IntegrationType

Represents an API method integration type.

AWS

HTTP

MOCK

HTTP\_PROXY

AWS\_PROXY

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### limitType

The limit type.

**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**Type:** string

**Required:** False

## PassthroughBehavior

Represents passthrough behavior for an integration response. Supported only for WebSocket APIs.

WHEN\_NO\_MATCH

NEVER

WHEN\_NO\_TEMPLATES

## ResponseParameters

Supported only for HTTP APIs. You use response parameters to transform the HTTP response from a backend integration before returning the response to clients.

### key-value pairs

**Type:** object

## TemplateMap

A mapping of identifier keys to templates. The value is an actual template script. The key is typically a `SelectionKey` which is chosen based on evaluating a selection expression.

### key-value pairs

**Type:** string

## TlsConfig

The TLS configuration for a private integration. If you specify a TLS configuration, private integration traffic uses the HTTPS protocol. Supported only for HTTP APIs.

### serverNameToVerify

If you specify a server name, API Gateway uses it to verify the hostname on the integration's certificate. The server name is also included in the TLS handshake to support Server Name Indication (SNI) or virtual hosting.

**Type:** string

**Required:** False

## TlsConfigInput

The TLS configuration for a private integration. If you specify a TLS configuration, private integration traffic uses the HTTPS protocol. Supported only for HTTP APIs.

### serverNameToVerify

If you specify a server name, API Gateway uses it to verify the hostname on the integration's certificate. The server name is also included in the TLS handshake to support Server Name Indication (SNI) or virtual hosting.

**Type:** string

**Required:** False

## UpdateIntegrationInput

Represents the input parameters for an `UpdateIntegration` request.

## description

The description of the integration

**Type:** string

**Required:** False

## integrationType

The integration type of an integration. One of the following:

**AWS:** for integrating the route or method request with an AWS service action, including the Lambda function-invoking action. With the Lambda function-invoking action, this is referred to as the Lambda custom integration. With any other AWS service action, this is known as AWS integration. Supported only for WebSocket APIs.

**AWS\_PROXY:** for integrating the route or method request with a Lambda function or other AWS service action. This integration is also referred to as a Lambda proxy integration.

**HTTP:** for integrating the route or method request with an HTTP endpoint. This integration is also referred to as the HTTP custom integration. Supported only for WebSocket APIs.

**HTTP\_PROXY:** for integrating the route or method request with an HTTP endpoint, with the client request passed through as-is. This is also referred to as HTTP proxy integration. For HTTP API private integrations, use an HTTP\_PROXY integration.

**MOCK:** for integrating the route or method request with API Gateway as a "loopback" endpoint without invoking any backend. Supported only for WebSocket APIs.

**Type:** [IntegrationType](#)

**Required:** False

## integrationSubtype

Supported only for HTTP API AWS\_PROXY integrations. Specifies the AWS service action to invoke. To learn more, see [Integration subtype reference](#).

**Type:** string

**Required:** False



## integrationMethod

Specifies the integration's HTTP method type. For WebSocket APIs, if you use a Lambda integration, you must set the integration method to POST.

**Type:** string

**Required:** False

## integrationUri

For a Lambda integration, specify the URI of a Lambda function.

For an HTTP integration, specify a fully-qualified URL.

For an HTTP API private integration, specify the ARN of an Application Load Balancer listener, Network Load Balancer listener, or AWS Cloud Map service. If you specify the ARN of an AWS Cloud Map service, API Gateway uses `DiscoverInstances` to identify resources. You can use query parameters to target specific resources. To learn more, see [DiscoverInstances](#). For private integrations, all resources must be owned by the same AWS account.

**Type:** string

**Required:** False

## tlsConfig

The TLS configuration for a private integration. If you specify a TLS configuration, private integration traffic uses the HTTPS protocol. Supported only for HTTP APIs.

**Type:** [TlsConfigInput](#)

**Required:** False

## credentialsArn

Specifies the credentials required for the integration, if any. For AWS integrations, three options are available. To specify an IAM Role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To require that the caller's identity be passed through from the request, specify the string `arn:aws:iam::*:user/*`. To use resource-based permissions on supported AWS services, don't specify this parameter.

**Type:** string

**Required:** False

### connectionType

The type of the network connection to the integration endpoint. Specify `INTERNET` for connections through the public routable internet or `VPC_LINK` for private connections between API Gateway and resources in a VPC. The default value is `INTERNET`.

**Type:** [ConnectionType](#)

**Required:** False

### connectionId

The ID of the VPC link for a private integration. Supported only for HTTP APIs.

**Type:** string

**Required:** False

### requestParameters

For WebSocket APIs, a key-value map specifying request parameters that are passed from the method request to the backend. The key is an integration request parameter name and the associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the backend. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where `{location}` is `queryString`, `path`, or `header`; and `{name}` must be a valid and unique method request parameter name.

For HTTP API integrations with a specified `integrationSubtype`, request parameters are a key-value map specifying parameters that are passed to `AWS_PROXY` integrations. You can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Working with AWS service integrations for HTTP APIs](#).

For HTTP API integrations without a specified `integrationSubtype` request parameters are a key-value map specifying how to transform HTTP requests before sending them to the backend. The key should follow the pattern `<action>:<header|queryString|path>.<location>` where `action` can be `append`, `overwrite` or `remove`. For values, you can provide static values, or map request

data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Transforming API requests and responses](#).

**Type:** [IntegrationParameters](#)

**Required:** False

### responseParameters

Supported only for HTTP APIs. You use response parameters to transform the HTTP response from a backend integration before returning the response to clients. Specify a key-value map from a selection key to response parameters. The selection key must be a valid HTTP status code within the range of 200-599. Response parameters are a key-value map. The key must match the pattern `<action>:<header>.<location>` or `overwrite.statuscode`. The action can be `append`, `overwrite` or `remove`. The value can be a static value, or map to response data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Transforming API requests and responses](#).

**Type:** [ResponseParameters](#)

**Required:** False

### requestTemplates

Represents a map of Velocity templates that are applied on the request payload based on the value of the Content-Type header sent by the client. The content type value is the key in this map, and the template (as a String) is the value. Supported only for WebSocket APIs.

**Type:** [TemplateMap](#)

**Required:** False

### templateSelectionExpression

The template selection expression for the integration.

**Type:** string

**Required:** False

## passthroughBehavior

Specifies the pass-through behavior for incoming requests based on the Content-Type header in the request, and the available mapping templates specified as the `requestTemplates` property on the Integration resource. There are three valid values: `WHEN_NO_MATCH`, `WHEN_NO_TEMPLATES`, and `NEVER`. Supported only for WebSocket APIs.

`WHEN_NO_MATCH` passes the request body for unmapped content types through to the integration backend without transformation.

`NEVER` rejects unmapped content types with an HTTP 415 Unsupported Media Type response.

`WHEN_NO_TEMPLATES` allows pass-through when the integration has no content types mapped to templates. However, if there is at least one content type defined, unmapped content types will be rejected with the same HTTP 415 Unsupported Media Type response.

**Type:** [PassthroughBehavior](#)

**Required:** False

## contentHandlingStrategy

Supported only for WebSocket APIs. Specifies how to handle response payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

`CONVERT_TO_BINARY`: Converts a response payload from a Base64-encoded string to the corresponding binary blob.

`CONVERT_TO_TEXT`: Converts a response payload from a binary blob to a Base64-encoded string.

If this property is not defined, the response payload will be passed through from the integration response to the route response or method response without modification.

**Type:** [ContentHandlingStrategy](#)

**Required:** False

## timeoutInMillis

Custom timeout between 50 and 29,000 milliseconds for WebSocket APIs and between 50 and 30,000 milliseconds for HTTP APIs. The default timeout is 29 seconds for WebSocket APIs and 30 seconds for HTTP APIs.

**Type:** integer

**Required:** False

### **payloadFormatVersion**

Specifies the format of the payload sent to an integration. Required for HTTP APIs. For HTTP APIs, supported values for Lambda proxy integrations are 1.0 and 2.0. For all other integrations, 1.0 is the only supported value. To learn more, see [Working with AWS Lambda proxy integrations for HTTP APIs](#).

**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:

### **GetIntegration**

- [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](#)

### **DeleteIntegration**

- [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](#)

## UpdateIntegration

- [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](#)

## IntegrationResponse

Represents an integration response. Supported only for WebSocket APIs.

### URI

`/v2/apis/apiId/integrations/integrationId/integrationresponses/integrationResponseId`

### HTTP methods

#### GET

**Operation ID:** GetIntegrationResponse

Gets an IntegrationResponses.

## Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.
<i>integrationResponseId</i>	String	True	The integration response ID.
<i>integrationId</i>	String	True	The integration ID.

## Responses

Status code	Response model	Description
200	<a href="#">IntegrationResponse</a>	Success
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## DELETE

**Operation ID:** DeleteIntegrationResponse

Deletes an IntegrationResponses.

## Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.
<i>integrationResponseId</i>	String	True	The integration response ID.
<i>integrationId</i>	String	True	The integration ID.

## Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PATCH

**Operation ID:** UpdateIntegrationResponse

Updates an IntegrationResponses.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.
<i>integrationResponseId</i>	String	True	The integration response ID.
<i>integrationId</i>	String	True	The integration ID.

## Responses

Status code	Response model	Description
200	<a href="#">IntegrationResponse</a>	Success



Status code	Response model	Description
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### PATCH schema

```
{
  "integrationResponseKey": "string",
  "responseParameters": {
  },
  "responseTemplates": {
  },
  "templateSelectionExpression": "string",
  "contentHandlingStrategy": enum
}
```

### Response bodies

#### IntegrationResponse schema

```
{
  "integrationResponseId": "string",
  "integrationResponseKey": "string",
  "responseParameters": {
  },
  "responseTemplates": {
```

```
},  
  "templateSelectionExpression": "string",  
  "contentHandlingStrategy": enum  
}
```

### BadRequestException schema

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

### NotFoundException schema

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

### ConflictException schema

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

### LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

## message

Describes the error encountered.

**Type:** string

**Required:** False

## ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

## message

Describes the error encountered.

**Type:** string

**Required:** False

## ContentHandlingStrategy

Specifies how to handle response payload content type conversions. Supported only for WebSocket APIs.

CONVERT\_TO\_BINARY

CONVERT\_TO\_TEXT

## IntegrationParameters

For WebSocket APIs, a key-value map specifying request parameters that are passed from the method request to the backend. The key is an integration request parameter name and the associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the backend. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where *{location}* is `queryString`, `path`, or `header`; and *{name}* must be a valid and unique method request parameter name.

For HTTP API integrations with a specified `integrationSubtype`, request parameters are a key-value map specifying parameters that are passed to `AWS_PROXY` integrations. You can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Working with AWS service integrations for HTTP APIs](#).

For HTTP API integrations without a specified `integrationSubtype` request parameters are a key-value map specifying how to transform HTTP requests before sending them to the backend. The key should follow the pattern `<action>:<header|querystring|path>.<location>` where action can be `append`, `overwrite` or `remove`. For values, you can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Transforming API requests and responses](#).

### key-value pairs

**Type:** string

## IntegrationResponse

Represents an integration response.

### integrationResponseId

The integration response ID.

**Type:** string

**Required:** False

### integrationResponseKey

The integration response key.

**Type:** string

**Required:** True

### responseParameters

A key-value map specifying response parameters that are passed to the method response from the backend. The key is a method response header parameter name and the mapped value is an integration response header value, a static value enclosed within a pair of single quotes, or a JSON expression from the integration response body. The mapping key must match the

pattern of `method.response.header.{name}`, where `name` is a valid and unique header name. The mapped non-static value must match the pattern of `integration.response.header.{name}` or `integration.response.body.{JSON-expression}`, where `name` is a valid and unique response header name and `JSON-expression` is a valid JSON expression without the `$` prefix.

**Type:** [IntegrationParameters](#)

**Required:** False

## responseTemplates

The collection of response templates for the integration response as a string-to-string map of key-value pairs. Response templates are represented as a key/value map, with a `content-type` as the key and a template as the value.

**Type:** [TemplateMap](#)

**Required:** False

## templateSelectionExpression

The template selection expressions for the integration response.

**Type:** string

**Required:** False

## contentHandlingStrategy

Supported only for WebSocket APIs. Specifies how to handle response payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

`CONVERT_TO_BINARY`: Converts a response payload from a Base64-encoded string to the corresponding binary blob.

`CONVERT_TO_TEXT`: Converts a response payload from a binary blob to a Base64-encoded string.

If this property is not defined, the response payload will be passed through from the integration response to the route response or method response without modification.

**Type:** [ContentHandlingStrategy](#)

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### limitType

The limit type.

**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**Type:** string

**Required:** False

## TemplateMap

A mapping of identifier keys to templates. The value is an actual template script. The key is typically a `SelectionKey` which is chosen based on evaluating a selection expression.

## key-value pairs

**Type:** string

## UpdateIntegrationResponseInput

Represents the input parameters for an UpdateIntegrationResponse request.

### integrationResponseKey

The integration response key.

**Type:** string

**Required:** False

### responseParameters

A key-value map specifying response parameters that are passed to the method response from the backend. The key is a method response header parameter name and the mapped value is an integration response header value, a static value enclosed within a pair of single quotes, or a JSON expression from the integration response body. The mapping key must match the pattern of `method.response.header.{name}`, where `name` is a valid and unique header name. The mapped non-static value must match the pattern of `integration.response.header.{name}` or `integration.response.body.{JSON-expression}`, where `{name}` is a valid and unique response header name and `{JSON-expression}` is a valid JSON expression without the `$` prefix.

**Type:** [IntegrationParameters](#)

**Required:** False

### responseTemplates

The collection of response templates for the integration response as a string-to-string map of key-value pairs. Response templates are represented as a key/value map, with a content-type as the key and a template as the value.

**Type:** [TemplateMap](#)

**Required:** False

## templateSelectionExpression

The template selection expression for the integration response. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

## contentHandlingStrategy

Supported only for WebSocket APIs. Specifies how to handle response payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

`CONVERT_TO_BINARY`: Converts a response payload from a Base64-encoded string to the corresponding binary blob.

`CONVERT_TO_TEXT`: Converts a response payload from a binary blob to a Base64-encoded string.

If this property is not defined, the response payload will be passed through from the integration response to the route response or method response without modification.

**Type:** [ContentHandlingStrategy](#)

**Required:** False

## See also

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

## GetIntegrationResponse

- [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](#)

## DeleteIntegrationResponse

- [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](#)

## UpdateIntegrationResponse

- [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](#)

## IntegrationResponses

Represents the collection of responses for an integration. Supported only for WebSocket APIs.

## URI

/v2/apis/*apiId*/integrations/*integrationId*/integrationresponses

## HTTP methods

### GET

**Operation ID:** GetIntegrationResponses

Gets the IntegrationResponses for an Integration.

#### Path parameters

Name	Type	Required	Description
<i>integrationId</i>	String	True	The integration ID.
<i>apiId</i>	String	True	The API identifier.

#### Query parameters

Name	Type	Required	Description
nextToken	String	False	The next page of elements from this collection. Not valid for the last element of the collection.
maxResults	String	False	The maximum number of elements to be returned for this resource.

## Responses

Status code	Response model	Description
200	<a href="#">IntegrationResponses</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## POST

### Operation ID: CreateIntegrationResponse

Creates an IntegrationResponses.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.
<i>integrationId</i>	String	True	The integration ID.

## Responses

Status code	Response model	Description
201	<a href="#">IntegrationResponse</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.

Status code	Response model	Description
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### POST schema

```
{
  "integrationResponseKey": "string",
  "responseParameters": {
  },
  "responseTemplates": {
  },
  "templateSelectionExpression": "string",
  "contentHandlingStrategy": enum
}
```

### Response bodies

#### IntegrationResponses schema

```
{
  "items": [
    {
      "integrationResponseId": "string",
      "integrationResponseKey": "string",
      "responseParameters": {
      },
      "responseTemplates": {
      },
    }
  ]
}
```

```
    "templateSelectionExpression": "string",
    "contentHandlingStrategy": enum
  }
],
"nextToken": "string"
}
```

## IntegrationResponse schema

```
{
  "integrationResponseId": "string",
  "integrationResponseKey": "string",
  "responseParameters": {
  },
  "responseTemplates": {
  },
  "templateSelectionExpression": "string",
  "contentHandlingStrategy": enum
}
```

## BadRequestException schema

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

## NotFoundException schema

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

## ConflictException schema

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

## LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### ContentHandlingStrategy

Specifies how to handle response payload content type conversions. Supported only for WebSocket APIs.

CONVERT\_TO\_BINARY

CONVERT\_TO\_TEXT

## CreateIntegrationResponseInput

Represents the input parameters for a CreateIntegrationResponse request.

### integrationResponseKey

The integration response key.

**Type:** string

**Required:** True

### responseParameters

A key-value map specifying response parameters that are passed to the method response from the backend. The key is a method response header parameter name and the mapped value is an integration response header value, a static value enclosed within a pair of single quotes, or a JSON expression from the integration response body. The mapping key must match the pattern of `method.response.header.{name}`, where `{name}` is a valid and unique header name. The mapped non-static value must match the pattern of `integration.response.header.{name}` or `integration.response.body.{JSON-expression}`, where `{name}` is a valid and unique response header name and `{JSON-expression}` is a valid JSON expression without the `$` prefix.

**Type:** [IntegrationParameters](#)

**Required:** False

### responseTemplates

The collection of response templates for the integration response as a string-to-string map of key-value pairs. Response templates are represented as a key/value map, with a content-type as the key and a template as the value.

**Type:** [TemplateMap](#)

**Required:** False

## templateSelectionExpression

The template selection expression for the integration response. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

## contentHandlingStrategy

Specifies how to handle response payload content type conversions. Supported values are CONVERT\_TO\_BINARY and CONVERT\_TO\_TEXT, with the following behaviors:

CONVERT\_TO\_BINARY: Converts a response payload from a Base64-encoded string to the corresponding binary blob.

CONVERT\_TO\_TEXT: Converts a response payload from a binary blob to a Base64-encoded string.

If this property is not defined, the response payload will be passed through from the integration response to the route response or method response without modification.

**Type:** [ContentHandlingStrategy](#)

**Required:** False

## IntegrationParameters

For WebSocket APIs, a key-value map specifying request parameters that are passed from the method request to the backend. The key is an integration request parameter name and the associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the backend. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where `{location}` is `queryString`, `path`, or `header`; and `{name}` must be a valid and unique method request parameter name.

For HTTP API integrations with a specified `integrationSubtype`, request parameters are a key-value map specifying parameters that are passed to `AWS_PROXY` integrations. You can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Working with AWS service integrations for HTTP APIs](#).



For HTTP API integrations without a specified `integrationSubtype` request parameters are a key-value map specifying how to transform HTTP requests before sending them to the backend. The key should follow the pattern `<action>:<header|querystring|path>.<location>` where action can be `append`, `overwrite` or `remove`. For values, you can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Transforming API requests and responses](#).

### key-value pairs

**Type:** string

## IntegrationResponse

Represents an integration response.

### integrationResponseId

The integration response ID.

**Type:** string

**Required:** False

### integrationResponseKey

The integration response key.

**Type:** string

**Required:** True

## responseParameters

A key-value map specifying response parameters that are passed to the method response from the backend. The key is a method response header parameter name and the mapped value is an integration response header value, a static value enclosed within a pair of single quotes, or a JSON expression from the integration response body. The mapping key must match the pattern of `method.response.header.{name}`, where `name` is a valid and unique header name. The mapped non-static value must match the pattern of `integration.response.header.{name}` or `integration.response.body.{JSON-expression}`, where `name` is a valid and unique response header name and `JSON-expression` is a valid JSON expression without the `$` prefix.

**Type:** [IntegrationParameters](#)

**Required:** False

## responseTemplates

The collection of response templates for the integration response as a string-to-string map of key-value pairs. Response templates are represented as a key/value map, with a content-type as the key and a template as the value.

**Type:** [TemplateMap](#)

**Required:** False

## templateSelectionExpression

The template selection expressions for the integration response.

**Type:** string

**Required:** False

## contentHandlingStrategy

Supported only for WebSocket APIs. Specifies how to handle response payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

`CONVERT_TO_BINARY`: Converts a response payload from a Base64-encoded string to the corresponding binary blob.

`CONVERT_TO_TEXT`: Converts a response payload from a binary blob to a Base64-encoded string.

If this property is not defined, the response payload will be passed through from the integration response to the route response or method response without modification.

**Type:** [ContentHandlingStrategy](#)

**Required:** False

## IntegrationResponses

Represents a collection of integration responses.

## items

The elements from this collection.

**Type:** Array of type [IntegrationResponse](#)

**Required:** False

## nextToken

The next page of elements from this collection. Not valid for the last element of the collection.

**Type:** string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### limitType

The limit type.

**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**Type:** string

**Required:** False

### TemplateMap

A mapping of identifier keys to templates. The value is an actual template script. The key is typically a SelectionKey which is chosen based on evaluating a selection expression.

#### key-value pairs

**Type:** string

### See also

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

### GetIntegrationResponses

- [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](#)

## CreateIntegrationResponse

- [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](#)

## Integrations

Represents the collection of integrations for an API.

### URI

/v2/apis/*apiId*/integrations

### HTTP methods

#### GET

**Operation ID:** GetIntegrations

Gets the Integrations for an API.

#### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

## Query parameters

Name	Type	Required	Description
nextToken	String	False	The next page of elements from this collection. Not valid for the last element of the collection.
maxResults	String	False	The maximum number of elements to be returned for this resource.

## Responses

Status code	Response model	Description
200	<a href="#">Integrations</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## POST

### Operation ID: CreateIntegration

Creates an Integration.

## Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
201	<a href="#">Integration</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### POST schema

```
{
  "description": "string",
  "integrationType": enum,
  "integrationSubtype": "string",
  "integrationMethod": "string",
  "integrationUri": "string",
  "tlsConfig": {
    "serverNameToVerify": "string"
  }
}
```

```

},
"credentialsArn": "string",
"connectionType": enum,
"connectionId": "string",
"requestParameters": {
},
"responseParameters": {
},
"requestTemplates": {
},
"templateSelectionExpression": "string",
"passthroughBehavior": enum,
"contentHandlingStrategy": enum,
"timeoutInMillis": integer,
"payloadFormatVersion": "string"
}

```

## Response bodies

### Integrations schema

```

{
  "items": [
    {
      "integrationId": "string",
      "description": "string",
      "integrationType": enum,
      "integrationSubtype": "string",
      "integrationMethod": "string",
      "integrationUri": "string",
      "tlsConfig": {
        "serverNameToVerify": "string"
      },
      "credentialsArn": "string",
      "connectionType": enum,
      "connectionId": "string",
      "requestParameters": {
      },
      "responseParameters": {
      },
      "requestTemplates": {
      },
      "templateSelectionExpression": "string",

```



```

    "passthroughBehavior": enum,
    "contentHandlingStrategy": enum,
    "timeoutInMillis": integer,
    "integrationResponseSelectionExpression": "string",
    "payloadFormatVersion": "string",
    "apiGatewayManaged": boolean
  }
],
"nextToken": "string"
}

```

## Integration schema

```

{
  "integrationId": "string",
  "description": "string",
  "integrationType": enum,
  "integrationSubtype": "string",
  "integrationMethod": "string",
  "integrationUri": "string",
  "tlsConfig": {
    "serverNameToVerify": "string"
  },
  "credentialsArn": "string",
  "connectionType": enum,
  "connectionId": "string",
  "requestParameters": {
  },
  "responseParameters": {
  },
  "requestTemplates": {
  },
  "templateSelectionExpression": "string",
  "passthroughBehavior": enum,
  "contentHandlingStrategy": enum,
  "timeoutInMillis": integer,
  "integrationResponseSelectionExpression": "string",
  "payloadFormatVersion": "string",
  "apiGatewayManaged": boolean
}

```

## BadRequestException schema

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

## NotFoundException schema

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

## ConflictException schema

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

## LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConnectionType

Represents a connection type.

INTERNET

VPC\_LINK

## ContentHandlingStrategy

Specifies how to handle response payload content type conversions. Supported only for WebSocket APIs.

CONVERT\_TO\_BINARY

CONVERT\_TO\_TEXT

## CreateIntegrationInput

Represents the input parameters for a `CreateIntegration` request.

### description

The description of the integration.

**Type:** string

**Required:** False

## integrationType

The integration type of an integration. One of the following:

**AWS:** for integrating the route or method request with an AWS service action, including the Lambda function-invoking action. With the Lambda function-invoking action, this is referred to as the Lambda custom integration. With any other AWS service action, this is known as AWS integration. Supported only for WebSocket APIs.

**AWS\_PROXY:** for integrating the route or method request with a Lambda function or other AWS service action. This integration is also referred to as a Lambda proxy integration.

**HTTP:** for integrating the route or method request with an HTTP endpoint. This integration is also referred to as the HTTP custom integration. Supported only for WebSocket APIs.

**HTTP\_PROXY:** for integrating the route or method request with an HTTP endpoint, with the client request passed through as-is. This is also referred to as HTTP proxy integration. For HTTP API private integrations, use an HTTP\_PROXY integration.

**MOCK:** for integrating the route or method request with API Gateway as a "loopback" endpoint without invoking any backend. Supported only for WebSocket APIs.

**Type:** [IntegrationType](#)

**Required:** True

## integrationSubtype

Supported only for HTTP API AWS\_PROXY integrations. Specifies the AWS service action to invoke. To learn more, see [Integration subtype reference](#).

**Type:** string

**Required:** False

## integrationMethod

Specifies the integration's HTTP method type. For WebSocket APIs, if you use a Lambda integration, you must set the integration method to POST.

**Type:** string

**Required:** False

## integrationUri

For a Lambda integration, specify the URI of a Lambda function.

For an HTTP integration, specify a fully-qualified URL.

For an HTTP API private integration, specify the ARN of an Application Load Balancer listener, Network Load Balancer listener, or AWS Cloud Map service. If you specify the ARN of an AWS Cloud Map service, API Gateway uses `DiscoverInstances` to identify resources. You can use query parameters to target specific resources. To learn more, see [DiscoverInstances](#). For private integrations, all resources must be owned by the same AWS account.

**Type:** string

**Required:** False

## tlsConfig

The TLS configuration for a private integration. If you specify a TLS configuration, private integration traffic uses the HTTPS protocol. Supported only for HTTP APIs.

**Type:** [TlsConfigInput](#)

**Required:** False

## credentialsArn

Specifies the credentials required for the integration, if any. For AWS integrations, three options are available. To specify an IAM Role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To require that the caller's identity be passed through from the request, specify the string `arn:aws:iam::*:user/*`. To use resource-based permissions on supported AWS services, don't specify this parameter.

**Type:** string

**Required:** False

## connectionType

The type of the network connection to the integration endpoint. Specify `INTERNET` for connections through the public routable internet or `VPC_LINK` for private connections between API Gateway and resources in a VPC. The default value is `INTERNET`.

**Type:** [ConnectionType](#)

**Required:** False

### connectionId

The ID of the VPC link for a private integration. Supported only for HTTP APIs.

**Type:** string

**Required:** False

### requestParameters

For WebSocket APIs, a key-value map specifying request parameters that are passed from the method request to the backend. The key is an integration request parameter name and the associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the backend. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where `{location}` is `queryString`, `path`, or `header`; and `{name}` must be a valid and unique method request parameter name.

For HTTP API integrations with a specified `integrationSubtype`, request parameters are a key-value map specifying parameters that are passed to `AWS_PROXY` integrations. You can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Working with AWS service integrations for HTTP APIs](#).

For HTTP API integrations without a specified `integrationSubtype` request parameters are a key-value map specifying how to transform HTTP requests before sending them to the backend. The key should follow the pattern `<action>:<header|queryString|path>.<location>` where `action` can be `append`, `overwrite` or `remove`. For values, you can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Transforming API requests and responses](#).

**Type:** [IntegrationParameters](#)

**Required:** False

## responseParameters

Supported only for HTTP APIs. You use response parameters to transform the HTTP response from a backend integration before returning the response to clients. Specify a key-value map from a selection key to response parameters. The selection key must be a valid HTTP status code within the range of 200-599. Response parameters are a key-value map. The key must match the pattern `<action>:<header>.<location>` or `overwrite.statuscode`. The action can be `append`, `overwrite` or `remove`. The value can be a static value, or map to response data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Transforming API requests and responses](#).

**Type:** [ResponseParameters](#)

**Required:** False

## requestTemplates

Represents a map of Velocity templates that are applied on the request payload based on the value of the Content-Type header sent by the client. The content type value is the key in this map, and the template (as a String) is the value. Supported only for WebSocket APIs.

**Type:** [TemplateMap](#)

**Required:** False

## templateSelectionExpression

The template selection expression for the integration.

**Type:** string

**Required:** False

## passthroughBehavior

Specifies the pass-through behavior for incoming requests based on the Content-Type header in the request, and the available mapping templates specified as the `requestTemplates` property on the Integration resource. There are three valid values: `WHEN_NO_MATCH`, `WHEN_NO_TEMPLATES`, and `NEVER`. Supported only for WebSocket APIs.

`WHEN_NO_MATCH` passes the request body for unmapped content types through to the integration backend without transformation.

NEVER rejects unmapped content types with an HTTP 415 Unsupported Media Type response.

WHEN\_NO\_TEMPLATES allows pass-through when the integration has no content types mapped to templates. However, if there is at least one content type defined, unmapped content types will be rejected with the same HTTP 415 Unsupported Media Type response.

**Type:** [PassthroughBehavior](#)

**Required:** False

### **contentHandlingStrategy**

Supported only for WebSocket APIs. Specifies how to handle response payload content type conversions. Supported values are CONVERT\_TO\_BINARY and CONVERT\_TO\_TEXT, with the following behaviors:

CONVERT\_TO\_BINARY: Converts a response payload from a Base64-encoded string to the corresponding binary blob.

CONVERT\_TO\_TEXT: Converts a response payload from a binary blob to a Base64-encoded string.

If this property is not defined, the response payload will be passed through from the integration response to the route response or method response without modification.

**Type:** [ContentHandlingStrategy](#)

**Required:** False

### **timeoutInMillis**

Custom timeout between 50 and 29,000 milliseconds for WebSocket APIs and between 50 and 30,000 milliseconds for HTTP APIs. The default timeout is 29 seconds for WebSocket APIs and 30 seconds for HTTP APIs.

**Type:** integer

**Required:** False

### **payloadFormatVersion**

Specifies the format of the payload sent to an integration. Required for HTTP APIs. For HTTP APIs, supported values for Lambda proxy integrations are 1.0 and 2.0. For all other integrations, 1.0



is the only supported value. To learn more, see [Working with AWS Lambda proxy integrations for HTTP APIs](#).

**Type:** string

**Required:** False

## Integration

Represents an integration.

### integrationId

Represents the identifier of an integration.

**Type:** string

**Required:** False

### description

Represents the description of an integration.

**Type:** string

**Required:** False

### integrationType

The integration type of an integration. One of the following:

**AWS:** for integrating the route or method request with an AWS service action, including the Lambda function-invoking action. With the Lambda function-invoking action, this is referred to as the Lambda custom integration. With any other AWS service action, this is known as AWS integration. Supported only for WebSocket APIs.

**AWS\_PROXY:** for integrating the route or method request with a Lambda function or other AWS service action. This integration is also referred to as a Lambda proxy integration.

**HTTP:** for integrating the route or method request with an HTTP endpoint. This integration is also referred to as the HTTP custom integration. Supported only for WebSocket APIs.

**HTTP\_PROXY**: for integrating the route or method request with an HTTP endpoint, with the client request passed through as-is. This is also referred to as HTTP proxy integration.

**MOCK**: for integrating the route or method request with API Gateway as a "loopback" endpoint without invoking any backend. Supported only for WebSocket APIs.

**Type:** [IntegrationType](#)

**Required:** False

### **integrationSubtype**

Supported only for HTTP API **AWS\_PROXY** integrations. Specifies the AWS service action to invoke. To learn more, see [Integration subtype reference](#).

**Type:** string

**Required:** False

### **integrationMethod**

Specifies the integration's HTTP method type.

**Type:** string

**Required:** False

### **integrationUri**

For a Lambda integration, specify the URI of a Lambda function.

For an HTTP integration, specify a fully-qualified URL.

For an HTTP API private integration, specify the ARN of an Application Load Balancer listener, Network Load Balancer listener, or AWS Cloud Map service. If you specify the ARN of an AWS Cloud Map service, API Gateway uses `DiscoverInstances` to identify resources. You can use query parameters to target specific resources. To learn more, see [DiscoverInstances](#). For private integrations, all resources must be owned by the same AWS account.

**Type:** string

**Required:** False

## tlsConfig

The TLS configuration for a private integration. If you specify a TLS configuration, private integration traffic uses the HTTPS protocol. Supported only for HTTP APIs.

**Type:** [TlsConfig](#)

**Required:** False

## credentialsArn

Specifies the credentials required for the integration, if any. For AWS integrations, three options are available. To specify an IAM Role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To require that the caller's identity be passed through from the request, specify the string `arn:aws:iam::*:user/*`. To use resource-based permissions on supported AWS services, don't specify this parameter.

**Type:** string

**Required:** False

## connectionType

The type of the network connection to the integration endpoint. Specify `INTERNET` for connections through the public routable internet or `VPC_LINK` for private connections between API Gateway and resources in a VPC. The default value is `INTERNET`.

**Type:** [ConnectionType](#)

**Required:** False

## connectionId

The ID of the VPC link for a private integration. Supported only for HTTP APIs.

**Type:** string

**Required:** False

## requestParameters

For WebSocket APIs, a key-value map specifying request parameters that are passed from the method request to the backend. The key is an integration request parameter name and the

associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the backend. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where `{location}` is `queryString`, `path`, or `header`; and `{name}` must be a valid and unique method request parameter name.

For HTTP API integrations with a specified `integrationSubtype`, request parameters are a key-value map specifying parameters that are passed to `AWS_PROXY` integrations. You can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Working with AWS service integrations for HTTP APIs](#).

For HTTP API integrations without a specified `integrationSubtype` request parameters are a key-value map specifying how to transform HTTP requests before sending them to backend integrations. The key should follow the pattern `<action>:<header|queryString|path>.<location>`. The action can be `append`, `overwrite` or `remove`. For values, you can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Transforming API requests and responses](#).

**Type:** [IntegrationParameters](#)

**Required:** False

## responseParameters

Supported only for HTTP APIs. You use response parameters to transform the HTTP response from a backend integration before returning the response to clients. Specify a key-value map from a selection key to response parameters. The selection key must be a valid HTTP status code within the range of 200-599. Response parameters are a key-value map. The key must match the pattern `<action>:<header>.<location>` or `overwrite.statuscode`. The action can be `append`, `overwrite` or `remove`. The value can be a static value, or map to response data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Transforming API requests and responses](#).

**Type:** [ResponseParameters](#)

**Required:** False

## requestTemplates

Represents a map of Velocity templates that are applied on the request payload based on the value of the Content-Type header sent by the client. The content type value is the key in this map, and the template (as a String) is the value. Supported only for WebSocket APIs.

**Type:** [TemplateMap](#)

**Required:** False

## templateSelectionExpression

The template selection expression for the integration. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

## passthroughBehavior

Specifies the pass-through behavior for incoming requests based on the Content-Type header in the request, and the available mapping templates specified as the requestTemplates property on the Integration resource. There are three valid values: WHEN\_NO\_MATCH, WHEN\_NO\_TEMPLATES, and NEVER. Supported only for WebSocket APIs.

WHEN\_NO\_MATCH passes the request body for unmapped content types through to the integration backend without transformation.

NEVER rejects unmapped content types with an HTTP 415 Unsupported Media Type response.

WHEN\_NO\_TEMPLATES allows pass-through when the integration has no content types mapped to templates. However, if there is at least one content type defined, unmapped content types will be rejected with the same HTTP 415 Unsupported Media Type response.

**Type:** [PassthroughBehavior](#)

**Required:** False

## contentHandlingStrategy

Supported only for WebSocket APIs. Specifies how to handle response payload content type conversions. Supported values are CONVERT\_TO\_BINARY and CONVERT\_TO\_TEXT, with the following behaviors:

**CONVERT\_TO\_BINARY:** Converts a response payload from a Base64-encoded string to the corresponding binary blob.

**CONVERT\_TO\_TEXT:** Converts a response payload from a binary blob to a Base64-encoded string.

If this property is not defined, the response payload will be passed through from the integration response to the route response or method response without modification.

**Type:** [ContentHandlingStrategy](#)

**Required:** False

### **timeoutInMillis**

Custom timeout between 50 and 29,000 milliseconds for WebSocket APIs and between 50 and 30,000 milliseconds for HTTP APIs. The default timeout is 29 seconds for WebSocket APIs and 30 seconds for HTTP APIs.

**Type:** integer

**Required:** False

### **integrationResponseSelectionExpression**

The integration response selection expression for the integration. Supported only for WebSocket APIs. See [Integration Response Selection Expressions](#).

**Type:** string

**Required:** False

### **payloadFormatVersion**

Specifies the format of the payload sent to an integration. Required for HTTP APIs. For HTTP APIs, supported values for Lambda proxy integrations are 1.0 and 2.0. For all other integrations, 1.0 is the only supported value. To learn more, see [Working with AWS Lambda proxy integrations for HTTP APIs](#).

**Type:** string

**Required:** False

## apiGatewayManaged

Specifies whether an integration is managed by API Gateway. If you created an API using using quick create, the resulting integration is managed by API Gateway. You can update a managed integration, but you can't delete it.

**Type:** boolean

**Required:** False

## IntegrationParameters

For WebSocket APIs, a key-value map specifying request parameters that are passed from the method request to the backend. The key is an integration request parameter name and the associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the backend. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where `{location}` is `queryString`, `path`, or `header`; and `{name}` must be a valid and unique method request parameter name.

For HTTP API integrations with a specified `integrationSubtype`, request parameters are a key-value map specifying parameters that are passed to `AWS_PROXY` integrations. You can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Working with AWS service integrations for HTTP APIs](#).

For HTTP API integrations without a specified `integrationSubtype` request parameters are a key-value map specifying how to transform HTTP requests before sending them to the backend. The key should follow the pattern `<action>:<header|queryString|path>.<location>` where `action` can be `append`, `overwrite` or `remove`. For values, you can provide static values, or map request data, stage variables, or context variables that are evaluated at runtime. To learn more, see [Transforming API requests and responses](#).

### key-value pairs

**Type:** string

## IntegrationType

Represents an API method integration type.

AWS  
HTTP  
MOCK  
HTTP\_PROXY  
AWS\_PROXY

## Integrations

Represents a collection of integrations.

### items

The elements from this collection.

**Type:** Array of type [Integration](#)

**Required:** False

### nextToken

The next page of elements from this collection. Not valid for the last element of the collection.

**Type:** string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### limitType

The limit type.



**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**Type:** string

**Required:** False

## PassthroughBehavior

Represents passthrough behavior for an integration response. Supported only for WebSocket APIs.

WHEN\_NO\_MATCH

NEVER

WHEN\_NO\_TEMPLATES

## ResponseParameters

Supported only for HTTP APIs. You use response parameters to transform the HTTP response from a backend integration before returning the response to clients.

### key-value pairs

**Type:** object

## TemplateMap

A mapping of identifier keys to templates. The value is an actual template script. The key is typically a `SelectionKey` which is chosen based on evaluating a selection expression.

### key-value pairs

**Type:** string

## TlsConfig

The TLS configuration for a private integration. If you specify a TLS configuration, private integration traffic uses the HTTPS protocol. Supported only for HTTP APIs.

### serverNameToVerify

If you specify a server name, API Gateway uses it to verify the hostname on the integration's certificate. The server name is also included in the TLS handshake to support Server Name Indication (SNI) or virtual hosting.

**Type:** string

**Required:** False

## TlsConfigInput

The TLS configuration for a private integration. If you specify a TLS configuration, private integration traffic uses the HTTPS protocol. Supported only for HTTP APIs.

### serverNameToVerify

If you specify a server name, API Gateway uses it to verify the hostname on the integration's certificate. The server name is also included in the TLS handshake to support Server Name Indication (SNI) or virtual hosting.

**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:

### GetIntegrations

- [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](#)

### CreateIntegration

- [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](#)

## Model

Represents a data model for an API. Supported only for WebSocket APIs. See [Create Models and Mapping Templates for Request and Response Mappings](#).

## URI

/v2/apis/*apiId*/models/*modelId*

## HTTP methods

### GET

**Operation ID:** GetModel

Gets a Model.

#### Path parameters

Name	Type	Required	Description
<i>modelId</i>	String	True	The model ID.
<i>apiId</i>	String	True	The API identifier.

#### Responses

Status code	Response model	Description
200	<a href="#">Model</a>	Success
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

### DELETE

**Operation ID:** DeleteModel

Deletes a Model.

## Path parameters

Name	Type	Required	Description
<i>modelId</i>	String	True	The model ID.
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PATCH

### Operation ID: UpdateModel

Updates a Model.

## Path parameters

Name	Type	Required	Description
<i>modelId</i>	String	True	The model ID.
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
200	<a href="#">Model</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### PATCH schema

```
{
  "name": "string",
  "description": "string",
  "schema": "string",
  "contentType": "string"
}
```

### Response bodies

#### Model schema

```
{
  "modelId": "string",
  "name": "string",
  "description": "string",
  "schema": "string",
}
```

```
"contentType": "string"
}
```

### BadRequestException schema

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

### NotFoundException schema

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

### ConflictException schema

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

### LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### limitType

The limit type.

**Type:** string

**Required:** False

## Model

Represents a data model for an API. Supported only for WebSocket APIs. See [Create Models and Mapping Templates for Request and Response Mappings](#).



**modelId**

The model identifier.

**Type:** string

**Required:** False

**name**

The name of the model. Must be alphanumeric.

**Type:** string

**Required:** True

**description**

The description of the model.

**Type:** string

**Required:** False

**schema**

The schema for the model. For application/json models, this should be JSON schema draft 4 model.

**Type:** string

**Required:** False

**contentType**

The content-type for the model, for example, "application/json".

**Type:** string

**Required:** False

**NotFoundException**

The resource specified in the request was not found. See the message field for more information.

**message**

Describes the error encountered.

**Type:** string

**Required:** False

**resourceType**

The resource type.

**Type:** string

**Required:** False

**UpdateModelInput**

Represents the input parameters for an `UpdateModel` request. Supported only for WebSocket APIs.

**name**

The name of the model.

**Type:** string

**Required:** False

**description**

The description of the model.

**Type:** string

**Required:** False

**schema**

The schema for the model. For `application/json` models, this should be JSON schema draft 4 model.

**Type:** string

**Required:** False

## contentType

The content-type for the model, for example, "application/json".

**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:

### GetModel

- [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](#)

### DeleteModel

- [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](#)

## UpdateModel

- [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](#)

## Models

Represents the collection of data models for an API. Supported only for WebSocket APIs. See [Create Models and Mapping Templates for Request and Response Mappings](#).

## URI

/v2/apis/*apiId*/models

## HTTP methods

### GET

**Operation ID:** GetModels

Gets the Models for an API.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

## Query parameters

Name	Type	Required	Description
nextToken	String	False	The next page of elements from this collection. Not valid for the last element of the collection.
maxResults	String	False	The maximum number of elements to be returned for this resource.

## Responses

Status code	Response model	Description
200	<a href="#">Models</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## POST

### Operation ID: CreateModel

Creates a Model for an API.

## Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
201	<a href="#">Model</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### POST schema

```
{
  "name": "string",
  "description": "string",
  "schema": "string",
  "contentType": "string"
}
```

## Response bodies

### Models schema

```
{
  "items": [
    {
      "modelId": "string",
      "name": "string",
      "description": "string",
      "schema": "string",
      "contentType": "string"
    }
  ],
  "nextToken": "string"
}
```

### Model schema

```
{
  "modelId": "string",
  "name": "string",
  "description": "string",
  "schema": "string",
  "contentType": "string"
}
```

### BadRequestException schema

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

### NotFoundException schema

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

## ConflictException schema

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

## LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string



**Required:** False

## CreateModelInput

Represents the input parameters for a `CreateModel` request.

### name

The name of the model. Must be alphanumeric.

**Type:** string

**Required:** True

### description

The description of the model.

**Type:** string

**Required:** False

### schema

The schema for the model. For application/json models, this should be JSON schema draft 4 model.

**Type:** string

**Required:** True

### contentType

The content-type for the model, for example, "application/json".

**Type:** string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

## message

Describes the error encountered.

**Type:** string

**Required:** False

## limitType

The limit type.

**Type:** string

**Required:** False

## Model

Represents a data model for an API. Supported only for WebSocket APIs. See [Create Models and Mapping Templates for Request and Response Mappings](#).

## modelId

The model identifier.

**Type:** string

**Required:** False

## name

The name of the model. Must be alphanumeric.

**Type:** string

**Required:** True

## description

The description of the model.

**Type:** string

**Required:** False

## schema

The schema for the model. For application/json models, this should be JSON schema draft 4 model.

**Type:** string

**Required:** False

## contentType

The content-type for the model, for example, "application/json".

**Type:** string

**Required:** False

## Models

Represents a collection of data models. See [Create Models and Mapping Templates for Request and Response Mappings](#).

### items

The elements from this collection.

**Type:** Array of type [Model](#)

**Required:** False

### nextToken

The next page of elements from this collection. Not valid for the last element of the collection.

**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

## message

Describes the error encountered.

**Type:** string

**Required:** False

## resourceType

The resource type.

**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:

### GetModels

- [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](#)

### CreateModel

- [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](#)

## ModelTemplate

Represents a model template. Supported only for WebSocket APIs.

### URI

`/v2/apis/apiId/models/modelId/template`

### HTTP methods

#### GET

**Operation ID:** GetModelTemplate

Gets a model template.

#### Path parameters

Name	Type	Required	Description
<i>modelId</i>	String	True	The model ID.
<i>apiId</i>	String	True	The API identifier.

#### Responses

Status code	Response model	Description
200	<a href="#">Template</a>	Success
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.

Status code	Response model	Description
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Response bodies

#### Template schema

```
{  
  "value": "string"  
}
```

#### NotFoundExpection schema

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

#### LimitExceededException schema

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

## Properties

### LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### **limitType**

The limit type.

**Type:** string

**Required:** False

## **NotFoundException**

The resource specified in the request was not found. See the message field for more information.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

### **resourceType**

The resource type.

**Type:** string

**Required:** False

## **Template**

Represents a template.

### **value**

The template value.

**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:

### GetModelTemplate

- [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](#)

## Route

Represents a route for an API.

### URI

`/v2/apis/apiId/routes/routeId`

### HTTP methods

#### GET

**Operation ID:** GetRoute

Gets a Route.

#### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.



Name	Type	Required	Description
<i>routeId</i>	String	True	The route ID.

## Responses

Status code	Response model	Description
200	<a href="#">Route</a>	Success
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## DELETE

### Operation ID: DeleteRoute

Deletes a Route.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.
<i>routeId</i>	String	True	The route ID.

## Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additiona

Status code	Response model	Description
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PATCH

**Operation ID:** UpdateRoute

Updates a Route.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.
<i>routeId</i>	String	True	The route ID.

### Responses

Status code	Response model	Description
200	<a href="#">Route</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.

Status code	Response model	Description
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### PATCH schema

```
{
  "routeKey": "string",
  "authorizationType": enum,
  "authorizerId": "string",
  "authorizationScopes": [
    "string"
  ],
  "apiKeyRequired": boolean,
  "requestParameters": {
  },
  "requestModels": {
  },
  "modelSelectionExpression": "string",
  "target": "string",
  "operationName": "string",
  "routeResponseSelectionExpression": "string"
}
```

### Response bodies

#### Route schema

```
{
  "routeId": "string",
  "routeKey": "string",
  "authorizationType": enum,
  "authorizerId": "string",
  "authorizationScopes": [
```

```
    "string"
  ],
  "apiKeyRequired": boolean,
  "requestParameters": {
  },
  "requestModels": {
  },
  "modelSelectionExpression": "string",
  "target": "string",
  "operationName": "string",
  "routeResponseSelectionExpression": "string",
  "apiGatewayManaged": boolean
}
```

### BadRequestException schema

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

### NotFoundException schema

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

### ConflictException schema

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

### LimitExceededException schema

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

```
"limitType": "string"  
}
```

## Properties

### AuthorizationType

The authorization type. For WebSocket APIs, valid values are NONE for open access, AWS\_IAM for using AWS IAM permissions, and CUSTOM for using a Lambda authorizer. For HTTP APIs, valid values are NONE for open access, JWT for using JSON Web Tokens, AWS\_IAM for using AWS IAM permissions, and CUSTOM for using a Lambda authorizer.

NONE  
AWS\_IAM  
CUSTOM  
JWT

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

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

### ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### limitType

The limit type.

**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**Type:** string

**Required:** False

## ParameterConstraints

Validation constraints imposed on parameters of a request (path, query string, headers).

### required

Whether or not the parameter is required.

**Type:** boolean

**Required:** False

## Route

Represents a route.

### routeId

The route ID.

**Type:** string

**Required:** False

### routeKey

The route key for the route. For HTTP APIs, the route key can be either `$default`, or a combination of an HTTP method and resource path, for example, `GET /pets`.

**Type:** string

**Required:** True

### authorizationType

The authorization type for the route. For WebSocket APIs, valid values are `NONE` for open access, `AWS_IAM` for using AWS IAM permissions, and `CUSTOM` for using a Lambda authorizer. For HTTP APIs, valid values are `NONE` for open access, `JWT` for using JSON Web Tokens, `AWS_IAM` for using AWS IAM permissions, and `CUSTOM` for using a Lambda authorizer.

**Type:** [AuthorizationType](#)

**Required:** False

## authorizerId

The identifier of the `Authorizer` resource to be associated with this route. The authorizer identifier is generated by API Gateway when you created the authorizer.

**Type:** string

**Required:** False

## authorizationScopes

A list of authorization scopes configured on a route. The scopes are used with a JWT authorizer to authorize the method invocation. The authorization works by matching the route scopes against the scopes parsed from the access token in the incoming request. The method invocation is authorized if any route scope matches a claimed scope in the access token. Otherwise, the invocation is not authorized. When the route scope is configured, the client must provide an access token instead of an identity token for authorization purposes.

**Type:** Array of type string

**Required:** False

## apiKeyRequired

Specifies whether an API key is required for this route. Supported only for WebSocket APIs.

**Type:** boolean

**Required:** False

## requestParameters

The request parameters for the route. Supported only for WebSocket APIs.

**Type:** [RouteParameters](#)

**Required:** False

## requestModels

The request models for the route. Supported only for WebSocket APIs.

**Type:** [RouteModels](#)



**Required:** False

### **modelSelectionExpression**

The model selection expression for the route. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

### **target**

The target for the route.

**Type:** string

**Required:** False

### **operationName**

The operation name for the route.

**Type:** string

**Required:** False

### **routeResponseSelectionExpression**

The route response selection expression for the route. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

### **apiGatewayManaged**

Specifies whether a route is managed by API Gateway. If you created an API using quick create, the `$default` route is managed by API Gateway. You can't modify the `$default` route key.

**Type:** boolean

**Required:** False

## RouteModels

The route models.

### key-value pairs

**Type:** string

## RouteParameters

The route parameters.

### key-value pairs

**Type:** object

## UpdateRouteInput

Represents the input parameters for an UpdateRoute request.

### routeKey

The route key for the route. For HTTP APIs, the route key can be either `$default`, or a combination of an HTTP method and resource path, for example, `GET /pets`.

**Type:** string

**Required:** False

### authorizationType

The authorization type for the route. For WebSocket APIs, valid values are `NONE` for open access, `AWS_IAM` for using AWS IAM permissions, and `CUSTOM` for using a Lambda authorizer. For HTTP APIs, valid values are `NONE` for open access, `JWT` for using JSON Web Tokens, `AWS_IAM` for using AWS IAM permissions, and `CUSTOM` for using a Lambda authorizer.

**Type:** [AuthorizationType](#)

**Required:** False

## authorizerId

The identifier of the `Authorizer` resource to be associated with this route. The authorizer identifier is generated by API Gateway when you created the authorizer.

**Type:** string

**Required:** False

## authorizationScopes

The authorization scopes supported by this route.

**Type:** Array of type string

**Required:** False

## apiKeyRequired

Specifies whether an API key is required for the route. Supported only for WebSocket APIs.

**Type:** boolean

**Required:** False

## requestParameters

The request parameters for the route. Supported only for WebSocket APIs.

**Type:** [RouteParameters](#)

**Required:** False

## requestModels

The request models for the route. Supported only for WebSocket APIs.

**Type:** [RouteModels](#)

**Required:** False

## modelSelectionExpression

The model selection expression for the route. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

## target

The target for the route.

**Type:** string

**Required:** False

## operationName

The operation name for the route.

**Type:** string

**Required:** False

## routeResponseSelectionExpression

The route response selection expression for the route. Supported only for WebSocket APIs.

**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:

### GetRoute

- [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](#)

## DeleteRoute

- [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](#)

## UpdateRoute

- [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](#)

## RouteRequestParameter

Represents a route request parameter.

## URI

/v2/apis/*apiId*/routes/*routeId*/requestparameters/*requestParameterKey*

## HTTP methods

### DELETE

**Operation ID:** DeleteRouteRequestParameter

Deletes a route request parameter. Supported only for WebSocket APIs.

### Path parameters

Name	Type	Required	Description
<i>requestParameterKey</i>	String	True	The route request parameter key.
<i>apiId</i>	String	True	The API identifier.
<i>routeId</i>	String	True	The route ID.

### Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

# Schemas

## Response bodies

### NotFoundException schema

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

### LimitExceededException schema

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

## Properties

### LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

#### limitType

The limit type.

**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**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:

### DeleteRouteRequestParameter

- [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](#)



# RouteResponse

Represents a route response. Supported only for WebSocket APIs.

## URI

`/v2/apis/apiId/routes/routeId/routeresponses/routeResponseId`

## HTTP methods

### GET

**Operation ID:** GetRouteResponse

Gets a RouteResponse.

### Path parameters

Name	Type	Required	Description
<i>routeResponseId</i>	String	True	The route response ID.
<i>apiId</i>	String	True	The API identifier.
<i>routeId</i>	String	True	The route ID.

### Responses

Status code	Response model	Description
200	<a href="#">RouteResponse</a>	Success
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## DELETE

**Operation ID:** DeleteRouteResponse

Deletes a RouteResponse.

### Path parameters

Name	Type	Required	Description
<i>routeResponseId</i>	String	True	The route response ID.
<i>apiId</i>	String	True	The API identifier.
<i>routeId</i>	String	True	The route ID.

### Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PATCH

**Operation ID:** UpdateRouteResponse

Updates a RouteResponse.

## Path parameters

Name	Type	Required	Description
<i>routeResponseId</i>	String	True	The route response ID.
<i>apiId</i>	String	True	The API identifier.
<i>routeId</i>	String	True	The route ID.

## Responses

Status code	Response model	Description
200	<a href="#">RouteResponse</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### PATCH schema

```
{
  "routeResponseKey": "string",
  "responseParameters": {
  },
}
```

```
"responseModels": {
},
"modelSelectionExpression": "string"
}
```

## Response bodies

### RouteResponse schema

```
{
  "routeResponseId": "string",
  "routeResponseKey": "string",
  "responseParameters": {
  },
  "responseModels": {
  },
  "modelSelectionExpression": "string"
}
```

### BadRequestException schema

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

### NotFoundException schema

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

### ConflictException schema

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

## LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### **limitType**

The limit type.

**Type:** string

**Required:** False

### **NotFoundException**

The resource specified in the request was not found. See the message field for more information.

#### **message**

Describes the error encountered.

**Type:** string

**Required:** False

#### **resourceType**

The resource type.

**Type:** string

**Required:** False

### **ParameterConstraints**

Validation constraints imposed on parameters of a request (path, query string, headers).

#### **required**

Whether or not the parameter is required.

**Type:** boolean

**Required:** False

## RouteModels

The route models.

### key-value pairs

**Type:** string

## RouteParameters

The route parameters.

### key-value pairs

**Type:** object

## RouteResponse

Represents a route response.

### routeResponseId

Represents the identifier of a route response.

**Type:** string

**Required:** False

### routeResponseKey

Represents the route response key of a route response.

**Type:** string

**Required:** True

### responseParameters

Represents the response parameters of a route response.

**Type:** [RouteParameters](#)

**Required:** False

### **responseModels**

Represents the response models of a route response.

**Type:** [RouteModels](#)

**Required:** False

### **modelSelectionExpression**

Represents the model selection expression of a route response. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

### **UpdateRouteResponseInput**

Represents the input parameters for an UpdateRouteResponse request.

#### **routeResponseKey**

The route response key.

**Type:** string

**Required:** False

#### **responseParameters**

The route response parameters.

**Type:** [RouteParameters](#)

**Required:** False

#### **responseModels**

The response models for the route response.



**Type:** [RouteModels](#)

**Required:** False

## modelSelectionExpression

The model selection expression for the route response. Supported only for WebSocket APIs.

**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:

### GetRouteResponse

- [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](#)

### DeleteRouteResponse

- [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](#)

## UpdateRouteResponse

- [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](#)

## RouteResponses

Represents the collection of responses for a route. Supported only for WebSocket APIs.

### URI

`/v2/apis/apiId/routes/routeId/routeresponses`

### HTTP methods

#### GET

**Operation ID:** GetRouteResponses

Gets the RouteResponses for a Route.

## Path parameters

Name	Type	Required	Description
<i>routeId</i>	String	True	The route ID.
<i>apiId</i>	String	True	The API identifier.

## Query parameters

Name	Type	Required	Description
nextToken	String	False	The next page of elements from this collection. Not valid for the last element of the collection.
maxResults	String	False	The maximum number of elements to be returned for this resource.

## Responses

Status code	Response model	Description
200	<a href="#">RouteResponses</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## POST

### Operation ID: CreateRouteResponse

Creates a RouteResponse for a Route.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.
<i>routeId</i>	String	True	The route ID.

### Responses

Status code	Response model	Description
201	<a href="#">RouteResponse</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

## POST schema

```
{
  "routeResponseKey": "string",
  "responseParameters": {
  },
  "responseModels": {
  },
  "modelSelectionExpression": "string"
}
```

## Response bodies

### RouteResponses schema

```
{
  "items": [
    {
      "routeResponseId": "string",
      "routeResponseKey": "string",
      "responseParameters": {
      },
      "responseModels": {
      },
      "modelSelectionExpression": "string"
    }
  ],
  "nextToken": "string"
}
```

### RouteResponse schema

```
{
  "routeResponseId": "string",
  "routeResponseKey": "string",
  "responseParameters": {
  },
  "responseModels": {
  },
  "modelSelectionExpression": "string"
}
```

## BadRequestException schema

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

## NotFoundException schema

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

## ConflictException schema

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

## LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## CreateRouteResponseInput

Represents the input parameters for an CreateRouteResponse request.

### routeResponseKey

The route response key.

**Type:** string

**Required:** True

### responseParameters

The route response parameters.

**Type:** [RouteParameters](#)

**Required:** False

### responseModels

The response models for the route response.

**Type:** [RouteModels](#)

**Required:** False

## **modelSelectionExpression**

The model selection expression for the route response. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

## **LimitExceededException**

A limit has been exceeded. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

### **limitType**

The limit type.

**Type:** string

**Required:** False

## **NotFoundException**

The resource specified in the request was not found. See the message field for more information.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

### **resourceType**

The resource type.



**Type:** string

**Required:** False

## ParameterConstraints

Validation constraints imposed on parameters of a request (path, query string, headers).

### required

Whether or not the parameter is required.

**Type:** boolean

**Required:** False

## RouteModels

The route models.

### key-value pairs

**Type:** string

## RouteParameters

The route parameters.

### key-value pairs

**Type:** object

## RouteResponse

Represents a route response.

### routeResponseId

Represents the identifier of a route response.

**Type:** string

**Required:** False

## routeResponseKey

Represents the route response key of a route response.

**Type:** string

**Required:** True

## responseParameters

Represents the response parameters of a route response.

**Type:** [RouteParameters](#)

**Required:** False

## responseModels

Represents the response models of a route response.

**Type:** [RouteModels](#)

**Required:** False

## modelSelectionExpression

Represents the model selection expression of a route response. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

## RouteResponses

Represents a collection of route responses.

### items

The elements from this collection.

**Type:** Array of type [RouteResponse](#)

**Required:** False

## nextToken

The next page of elements from this collection. Not valid for the last element of the collection.

**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:

### GetRouteResponses

- [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](#)

### CreateRouteResponse

- [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](#)

## Routes

Represents the collection of routes for an API.

### URI

`/v2/apis/apiId/routes`

### HTTP methods

#### GET

**Operation ID:** GetRoutes

Gets the Routes for an API.

#### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

#### Query parameters

Name	Type	Required	Description
nextToken	String	False	The next page of elements from this collection. Not valid for the last element of the collection.
maxResults	String	False	The maximum number of elements to be returned for this resource.

## Responses

Status code	Response model	Description
200	<a href="#">Routes</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## POST

### Operation ID: CreateRoute

Creates a Route for an API.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
201	<a href="#">Route</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.

Status code	Response model	Description
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### POST schema

```
{
  "routeKey": "string",
  "authorizationType": enum,
  "authorizerId": "string",
  "authorizationScopes": [
    "string"
  ],
  "apiKeyRequired": boolean,
  "requestParameters": {
  },
  "requestModels": {
  },
  "modelSelectionExpression": "string",
  "target": "string",
  "operationName": "string",
  "routeResponseSelectionExpression": "string"
}
```

### Response bodies

#### Routes schema

```
{
  "items": [
```

```

{
  "routeId": "string",
  "routeKey": "string",
  "authorizationType": enum,
  "authorizerId": "string",
  "authorizationScopes": [
    "string"
  ],
  "apiKeyRequired": boolean,
  "requestParameters": {
  },
  "requestModels": {
  },
  "modelSelectionExpression": "string",
  "target": "string",
  "operationName": "string",
  "routeResponseSelectionExpression": "string",
  "apiGatewayManaged": boolean
}
],
"nextToken": "string"
}

```

## Route schema

```

{
  "routeId": "string",
  "routeKey": "string",
  "authorizationType": enum,
  "authorizerId": "string",
  "authorizationScopes": [
    "string"
  ],
  "apiKeyRequired": boolean,
  "requestParameters": {
  },
  "requestModels": {
  },
  "modelSelectionExpression": "string",
  "target": "string",
  "operationName": "string",
  "routeResponseSelectionExpression": "string",
  "apiGatewayManaged": boolean
}

```

```
}
```

### BadRequestException schema

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

### NotFoundException schema

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

### ConflictException schema

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

### LimitExceededException schema

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

## Properties

### AuthorizationType

The authorization type. For WebSocket APIs, valid values are NONE for open access, AWS\_IAM for using AWS IAM permissions, and CUSTOM for using a Lambda authorizer. For HTTP APIs, valid values are NONE for open access, JWT for using JSON Web Tokens, AWS\_IAM for using AWS IAM permissions, and CUSTOM for using a Lambda authorizer.

NONE



AWS\_IAM  
CUSTOM  
JWT

## BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## CreateRouteInput

Represents the input parameters for a CreateRoute request.

### routeKey

The route key for the route. For HTTP APIs, the route key can be either `$default`, or a combination of an HTTP method and resource path, for example, `GET /pets`.

**Type:** string

**Required:** True

## authorizationType

The authorization type for the route. For WebSocket APIs, valid values are NONE for open access, AWS\_IAM for using AWS IAM permissions, and CUSTOM for using a Lambda authorizer. For HTTP APIs, valid values are NONE for open access, JWT for using JSON Web Tokens, AWS\_IAM for using AWS IAM permissions, and CUSTOM for using a Lambda authorizer.

**Type:** [AuthorizationType](#)

**Required:** False

## authorizerId

The identifier of the Authorizer resource to be associated with this route. The authorizer identifier is generated by API Gateway when you created the authorizer.

**Type:** string

**Required:** False

## authorizationScopes

The authorization scopes supported by this route.

**Type:** Array of type string

**Required:** False

## apiKeyRequired

Specifies whether an API key is required for the route. Supported only for WebSocket APIs.

**Type:** boolean

**Required:** False

## requestParameters

The request parameters for the route. Supported only for WebSocket APIs.

**Type:** [RouteParameters](#)

**Required:** False

## requestModels

The request models for the route. Supported only for WebSocket APIs.

**Type:** [RouteModels](#)

**Required:** False

## modelSelectionExpression

The model selection expression for the route. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

## target

The target for the route.

**Type:** string

**Required:** False

## operationName

The operation name for the route.

**Type:** string

**Required:** False

## routeResponseSelectionExpression

The route response selection expression for the route. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

**message**

Describes the error encountered.

**Type:** string

**Required:** False

**limitType**

The limit type.

**Type:** string

**Required:** False

**NotFoundException**

The resource specified in the request was not found. See the message field for more information.

**message**

Describes the error encountered.

**Type:** string

**Required:** False

**resourceType**

The resource type.

**Type:** string

**Required:** False

**ParameterConstraints**

Validation constraints imposed on parameters of a request (path, query string, headers).

**required**

Whether or not the parameter is required.

**Type:** boolean

**Required:** False

## Route

Represents a route.

### routeId

The route ID.

**Type:** string

**Required:** False

### routeKey

The route key for the route. For HTTP APIs, the route key can be either `$default`, or a combination of an HTTP method and resource path, for example, `GET /pets`.

**Type:** string

**Required:** True

### authorizationType

The authorization type for the route. For WebSocket APIs, valid values are `NONE` for open access, `AWS_IAM` for using AWS IAM permissions, and `CUSTOM` for using a Lambda authorizer. For HTTP APIs, valid values are `NONE` for open access, `JWT` for using JSON Web Tokens, `AWS_IAM` for using AWS IAM permissions, and `CUSTOM` for using a Lambda authorizer.

**Type:** [AuthorizationType](#)

**Required:** False

### authorizerId

The identifier of the `Authorizer` resource to be associated with this route. The authorizer identifier is generated by API Gateway when you created the authorizer.

**Type:** string

**Required:** False

### **authorizationScopes**

A list of authorization scopes configured on a route. The scopes are used with a JWT authorizer to authorize the method invocation. The authorization works by matching the route scopes against the scopes parsed from the access token in the incoming request. The method invocation is authorized if any route scope matches a claimed scope in the access token. Otherwise, the invocation is not authorized. When the route scope is configured, the client must provide an access token instead of an identity token for authorization purposes.

**Type:** Array of type string

**Required:** False

### **apiKeyRequired**

Specifies whether an API key is required for this route. Supported only for WebSocket APIs.

**Type:** boolean

**Required:** False

### **requestParameters**

The request parameters for the route. Supported only for WebSocket APIs.

**Type:** [RouteParameters](#)

**Required:** False

### **requestModels**

The request models for the route. Supported only for WebSocket APIs.

**Type:** [RouteModels](#)

**Required:** False

### **modelSelectionExpression**

The model selection expression for the route. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

## **target**

The target for the route.

**Type:** string

**Required:** False

## **operationName**

The operation name for the route.

**Type:** string

**Required:** False

## **routeResponseSelectionExpression**

The route response selection expression for the route. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

## **apiGatewayManaged**

Specifies whether a route is managed by API Gateway. If you created an API using quick create, the `$default` route is managed by API Gateway. You can't modify the `$default` route key.

**Type:** boolean

**Required:** False

## **RouteModels**

The route models.

### **key-value pairs**

**Type:** string

## RouteParameters

The route parameters.

### key-value pairs

**Type:** object

## Routes

Represents a collection of routes.

### items

The elements from this collection.

**Type:** Array of type [Route](#)

**Required:** False

### nextToken

The next page of elements from this collection. Not valid for the last element of the collection.

**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:

### GetRoutes

- [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](#)

## CreateRoute

- [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](#)

## RouteSettings

Represents the route settings for a stage.

### URI

`/v2/apis/apiId/stages/stageName/routesettings/routeKey`

### HTTP methods

#### DELETE

**Operation ID:** DeleteRouteSettings

Deletes the RouteSettings for a stage.

## Path parameters

Name	Type	Required	Description
<i>stageName</i>	String	True	The stage name. Stage names can contain only alphanumeric characters, hyphens, and underscores, or be \$default. Maximum length is 128 characters.
<i>routeKey</i>	String	True	The route key.
<i>apiId</i>	String	True	The API identifier.

## Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Response bodies

## NotFoundException schema

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

## LimitExceededException schema

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

## Properties

### LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

#### limitType

The limit type.

**Type:** string

**Required:** False

### NotFoundException

The resource specified in the request was not found. See the message field for more information.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## resourceType

The resource type.

**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:

### DeleteRouteSettings

- [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](#)

## Stage

Represents an API stage.

## URI

`/v2/apis/apiId/stages/stageName`

# HTTP methods

## GET

**Operation ID:** GetStage

Gets a Stage.

### Path parameters

Name	Type	Required	Description
<i>stageName</i>	String	True	The stage name. Stage names can contain only alphanumeric characters, hyphens, and underscores, or be \$default. Maximum length is 128 characters.
<i>apiId</i>	String	True	The API identifier.

### Responses

Status code	Response model	Description
200	<a href="#">Stage</a>	Success
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## DELETE

**Operation ID:** DeleteStage

Deletes a Stage.

### Path parameters

Name	Type	Required	Description
<i>stageName</i>	String	True	The stage name. Stage names can contain only alphanumeric characters, hyphens, and underscores, or be \$default. Maximum length is 128 characters.
<i>apiId</i>	String	True	The API identifier.

### Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additional content to send in the response payload body.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PATCH

**Operation ID:** UpdateStage

Updates a Stage.

### Path parameters

Name	Type	Required	Description
<i>stageName</i>	String	True	The stage name. Stage names can contain only alphanumeric characters, hyphens, and underscores, or be \$default. Maximum length is 128 characters.
<i>apiId</i>	String	True	The API identifier.

### Responses

Status code	Response model	Description
200	<a href="#">Stage</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

# Schemas

## Request bodies

### PATCH schema

```
{
  "description": "string",
  "deploymentId": "string",
  "clientCertificateId": "string",
  "defaultRouteSettings": {
    "detailedMetricsEnabled": boolean,
    "loggingLevel": enum,
    "dataTraceEnabled": boolean,
    "throttlingBurstLimit": integer,
    "throttlingRateLimit": number
  },
  "routeSettings": {
  },
  "stageVariables": {
  },
  "accessLogSettings": {
    "format": "string",
    "destinationArn": "string"
  },
  "autoDeploy": boolean
}
```

## Response bodies

### Stage schema

```
{
  "stageName": "string",
  "description": "string",
  "deploymentId": "string",
  "clientCertificateId": "string",
  "defaultRouteSettings": {
    "detailedMetricsEnabled": boolean,
    "loggingLevel": enum,
    "dataTraceEnabled": boolean,
    "throttlingBurstLimit": integer,
    "throttlingRateLimit": number
  }
}
```



```
},
  "routeSettings": {
  },
  "stageVariables": {
  },
  "accessLogSettings": {
    "format": "string",
    "destinationArn": "string"
  },
  "autoDeploy": boolean,
  "lastDeploymentStatusMessage": "string",
  "createdDate": "string",
  "lastUpdatedDate": "string",
  "tags": {
  },
  "apiGatewayManaged": boolean
}
```

### BadRequestException schema

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

### NotFoundException schema

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

### ConflictException schema

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

### LimitExceededException schema

```
{
```

```
"message": "string",  
"limitType": "string"  
}
```

## Properties

### AccessLogSettings

Settings for logging access in a stage.

#### format

A single line format of the access logs of data, as specified by selected `$context` variables. The format must include at least `$context.requestId`.

**Type:** string

**Required:** False

#### destinationArn

The ARN of the CloudWatch Logs log group to receive access logs.

**Type:** string

**Required:** False

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### limitType

The limit type.

**Type:** string

**Required:** False

## LoggingLevel

The logging level.

ERROR

INFO

false

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**Type:** string

**Required:** False

## RouteSettings

Represents a collection of route settings.

### detailedMetricsEnabled

Specifies whether detailed metrics are enabled.

**Type:** boolean

**Required:** False

### loggingLevel

Specifies the logging level for this route: INFO, ERROR, or OFF. This property affects the log entries pushed to Amazon CloudWatch Logs. Supported only for WebSocket APIs.

**Type:** [LoggingLevel](#)

**Required:** False

## **dataTraceEnabled**

Specifies whether (`true`) or not (`false`) data trace logging is enabled for this route. This property affects the log entries pushed to Amazon CloudWatch Logs. Supported only for WebSocket APIs.

**Type:** boolean

**Required:** False

## **throttlingBurstLimit**

Specifies the throttling burst limit.

**Type:** integer

**Required:** False

**Format:** int32

## **throttlingRateLimit**

Specifies the throttling rate limit.

**Type:** number

**Required:** False

**Format:** double

## **RouteSettingsMap**

The route settings map.

### **key-value pairs**

**Type:** object

## **Stage**

Represents an API stage.

### **stageName**

The name of the stage.

**Type:** string  
**Required:** True

### description

The description of the stage.

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

### deploymentId

The identifier of the Deployment that the Stage is associated with. Can't be updated if autoDeploy is enabled.

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

### clientCertificateId

The identifier of a client certificate for a Stage. Supported only for WebSocket APIs.

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

### defaultRouteSettings

Default route settings for the stage.

**Type:** [RouteSettings](#)  
**Required:** False

### routeSettings

Route settings for the stage, by routeKey.

**Type:** [RouteSettingsMap](#)  
**Required:** False

## stageVariables

A map that defines the stage variables for a stage resource. Variable names can have alphanumeric and underscore characters, and the values must match `[A-Za-z0-9-._~:/?#&=,]+`.

**Type:** [StageVariablesMap](#)

**Required:** False

## accessLogSettings

Settings for logging access in this stage.

**Type:** [AccessLogSettings](#)

**Required:** False

## autoDeploy

Specifies whether updates to an API automatically trigger a new deployment. The default value is `false`.

**Type:** boolean

**Required:** False

## lastDeploymentStatusMessage

Describes the status of the last deployment of a stage. Supported only for stages with `autoDeploy` enabled.

**Type:** string

**Required:** False

## createdDate

The timestamp when the stage was created.

**Type:** string

**Required:** False

**Format:** date-time

## lastUpdatedDate

The timestamp when the stage was last updated.

**Type:** string

**Required:** False

**Format:** date-time

## tags

The collection of tags. Each tag element is associated with a given resource.

**Type:** [Tags](#)

**Required:** False

## apiGatewayManaged

Specifies whether a stage is managed by API Gateway. If you created an API using quick create, the `$default` stage is managed by API Gateway. You can't modify the `$default` stage.

**Type:** boolean

**Required:** False

## StageVariablesMap

The stage variable map.

### key-value pairs

**Type:** string

## Tags

Represents a collection of tags associated with the resource.

### key-value pairs

**Type:** string



## UpdateStageInput

Represents the input parameters for an UpdateStage request.

### description

The description for the API stage.

**Type:** string

**Required:** False

### deploymentId

The deployment identifier for the API stage. Can't be updated if autoDeploy is enabled.

**Type:** string

**Required:** False

### clientCertificateId

The identifier of a client certificate for a Stage.

**Type:** string

**Required:** False

### defaultRouteSettings

The default route settings for the stage.

**Type:** [RouteSettings](#)

**Required:** False

### routeSettings

Route settings for the stage.

**Type:** [RouteSettingsMap](#)

**Required:** False

## stageVariables

A map that defines the stage variables for a Stage. Variable names can have alphanumeric and underscore characters, and the values must match [A-Za-z0-9-.\_~:/?#&=,]+.

**Type:** [StageVariablesMap](#)

**Required:** False

## accessLogSettings

Settings for logging access in this stage.

**Type:** [AccessLogSettings](#)

**Required:** False

## autoDeploy

Specifies whether updates to an API automatically trigger a new deployment. The default value is false.

**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:

### GetStage

- [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](#)

## DeleteStage

- [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](#)

## UpdateStage

- [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](#)

## Stages

Represents the collection of stages for an API.

## URI

/v2/apis/*apiId*/stages

## HTTP methods

### GET

**Operation ID:** GetStages

Gets the Stages for an API.

#### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

#### Query parameters

Name	Type	Required	Description
nextToken	String	False	The next page of elements from this collection. Not valid for the last element of the collection.
maxResults	String	False	The maximum number of elements to be returned for this resource.

#### Responses

Status code	Response model	Description
200	<a href="#">Stages</a>	Success

Status code	Response model	Description
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## POST

**Operation ID:** CreateStage

Creates a Stage for an API.

### Path parameters

Name	Type	Required	Description
<i>apiId</i>	String	True	The API identifier.

### Responses

Status code	Response model	Description
201	<a href="#">Stage</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.

Status code	Response model	Description
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### POST schema

```
{
  "stageName": "string",
  "description": "string",
  "deploymentId": "string",
  "clientCertificateId": "string",
  "defaultRouteSettings": {
    "detailedMetricsEnabled": boolean,
    "loggingLevel": enum,
    "dataTraceEnabled": boolean,
    "throttlingBurstLimit": integer,
    "throttlingRateLimit": number
  },
  "routeSettings": {
  },
  "stageVariables": {
  },
  "accessLogSettings": {
    "format": "string",
    "destinationArn": "string"
  },
  "tags": {
  },
  "autoDeploy": boolean
}
```

### Response bodies

## Stages schema

```
{
  "items": [
    {
      "stageName": "string",
      "description": "string",
      "deploymentId": "string",
      "clientCertificateId": "string",
      "defaultRouteSettings": {
        "detailedMetricsEnabled": boolean,
        "loggingLevel": enum,
        "dataTraceEnabled": boolean,
        "throttlingBurstLimit": integer,
        "throttlingRateLimit": number
      },
      "routeSettings": {
      },
      "stageVariables": {
      },
      "accessLogSettings": {
        "format": "string",
        "destinationArn": "string"
      },
      "autoDeploy": boolean,
      "lastDeploymentStatusMessage": "string",
      "createdDate": "string",
      "lastUpdatedDate": "string",
      "tags": {
      },
      "apiGatewayManaged": boolean
    }
  ],
  "nextToken": "string"
}
```

## Stage schema

```
{
  "stageName": "string",
  "description": "string",
  "deploymentId": "string",
  "clientCertificateId": "string",
```

```
"defaultRouteSettings": {
  "detailedMetricsEnabled": boolean,
  "loggingLevel": enum,
  "dataTraceEnabled": boolean,
  "throttlingBurstLimit": integer,
  "throttlingRateLimit": number
},
"routeSettings": {
},
"stageVariables": {
},
"accessLogSettings": {
  "format": "string",
  "destinationArn": "string"
},
"autoDeploy": boolean,
"lastDeploymentStatusMessage": "string",
"createdDate": "string",
"lastUpdatedDate": "string",
"tags": {
},
"apiGatewayManaged": boolean
}
```

### BadRequestException schema

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

### NotFoundException schema

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

### ConflictException schema

```
{
```



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

## LimitExceededException schema

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

## Properties

### AccessLogSettings

Settings for logging access in a stage.

#### format

A single line format of the access logs of data, as specified by selected `$context` variables. The format must include at least `$context.requestId`.

**Type:** string

**Required:** False

#### destinationArn

The ARN of the CloudWatch Logs log group to receive access logs.

**Type:** string

**Required:** False

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## CreateStageInput

Represents the input parameters for a `CreateStage` request.

### stageName

The name of the stage.

**Type:** string

**Required:** True

### description

The description for the API stage.

**Type:** string

**Required:** False

### deploymentId

The deployment identifier of the API stage.

**Type:** string

**Required:** False

## clientCertificateId

The identifier of a client certificate for a Stage. Supported only for WebSocket APIs.

**Type:** string

**Required:** False

## defaultRouteSettings

The default route settings for the stage.

**Type:** [RouteSettings](#)

**Required:** False

## routeSettings

Route settings for the stage, by routeKey.

**Type:** [RouteSettingsMap](#)

**Required:** False

## stageVariables

A map that defines the stage variables for a Stage. Variable names can have alphanumeric and underscore characters, and the values must match `[A-Za-z0-9-._~:/?#&=,]+`.

**Type:** [StageVariablesMap](#)

**Required:** False

## accessLogSettings

Settings for logging access in this stage.

**Type:** [AccessLogSettings](#)

**Required:** False

## tags

The collection of tags. Each tag element is associated with a given resource.

**Type:** [Tags](#)

**Required:** False

## **autoDeploy**

Specifies whether updates to an API automatically trigger a new deployment. The default value is false.

**Type:** boolean

**Required:** False

## **LimitExceededException**

A limit has been exceeded. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

### **limitType**

The limit type.

**Type:** string

**Required:** False

## **LoggingLevel**

The logging level.

ERROR

INFO

false

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**Type:** string

**Required:** False

## RouteSettings

Represents a collection of route settings.

### detailedMetricsEnabled

Specifies whether detailed metrics are enabled.

**Type:** boolean

**Required:** False

### loggingLevel

Specifies the logging level for this route: INFO, ERROR, or OFF. This property affects the log entries pushed to Amazon CloudWatch Logs. Supported only for WebSocket APIs.

**Type:** [LoggingLevel](#)

**Required:** False

## **dataTraceEnabled**

Specifies whether (`true`) or not (`false`) data trace logging is enabled for this route. This property affects the log entries pushed to Amazon CloudWatch Logs. Supported only for WebSocket APIs.

**Type:** boolean

**Required:** False

## **throttlingBurstLimit**

Specifies the throttling burst limit.

**Type:** integer

**Required:** False

**Format:** int32

## **throttlingRateLimit**

Specifies the throttling rate limit.

**Type:** number

**Required:** False

**Format:** double

## **RouteSettingsMap**

The route settings map.

### **key-value pairs**

**Type:** object

## **Stage**

Represents an API stage.

### **stageName**

The name of the stage.

**Type:** string  
**Required:** True

### description

The description of the stage.

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

### deploymentId

The identifier of the Deployment that the Stage is associated with. Can't be updated if autoDeploy is enabled.

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

### clientCertificateId

The identifier of a client certificate for a Stage. Supported only for WebSocket APIs.

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

### defaultRouteSettings

Default route settings for the stage.

**Type:** [RouteSettings](#)  
**Required:** False

### routeSettings

Route settings for the stage, by routeKey.

**Type:** [RouteSettingsMap](#)  
**Required:** False

## stageVariables

A map that defines the stage variables for a stage resource. Variable names can have alphanumeric and underscore characters, and the values must match [A-Za-z0-9-.\_~:/?#&=,]+.

**Type:** [StageVariablesMap](#)

**Required:** False

## accessLogSettings

Settings for logging access in this stage.

**Type:** [AccessLogSettings](#)

**Required:** False

## autoDeploy

Specifies whether updates to an API automatically trigger a new deployment. The default value is false.

**Type:** boolean

**Required:** False

## lastDeploymentStatusMessage

Describes the status of the last deployment of a stage. Supported only for stages with autoDeploy enabled.

**Type:** string

**Required:** False

## createdDate

The timestamp when the stage was created.

**Type:** string

**Required:** False

**Format:** date-time



## lastUpdatedDate

The timestamp when the stage was last updated.

**Type:** string

**Required:** False

**Format:** date-time

## tags

The collection of tags. Each tag element is associated with a given resource.

**Type:** [Tags](#)

**Required:** False

## apiGatewayManaged

Specifies whether a stage is managed by API Gateway. If you created an API using quick create, the `$default` stage is managed by API Gateway. You can't modify the `$default` stage.

**Type:** boolean

**Required:** False

## StageVariablesMap

The stage variable map.

### key-value pairs

**Type:** string

## Stages

A collection of Stage resources that are associated with the ApiKey resource.

### items

The elements from this collection.

**Type:** Array of type [Stage](#)

**Required:** False

### nextToken

The next page of elements from this collection. Not valid for the last element of the collection.

**Type:** string

**Required:** False

### Tags

Represents a collection of tags associated with the resource.

### key-value pairs

**Type:** string

### See also

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

### GetStages

- [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](#)

## CreateStage

- [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

Represents a collection of tags associated with the resource.

## URI

/v2/tags/*resource-arn*

## HTTP methods

### GET

**Operation ID:** GetTags

Gets a collection of Tag resources.

### Path parameters

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

## Responses

Status code	Response model	Description
200	<a href="#">Tags</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## POST

### Operation ID: TagResource

Creates a new Tag resource to represent a tag.

### Path parameters

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

## Responses

Status code	Response model	Description
201	None	The request has succeeded and has resulted in the creation of a resource.

Status code	Response model	Description
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## DELETE

**Operation ID:** UntagResource

Deletes a Tag.

### Path parameters

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

### Query parameters

Name	Type	Required	Description
tagKeys	String	True	The tag keys.

### Responses

Status code	Response model	Description
204	None	The request has succeeded , and there is no additiona

Status code	Response model	Description
400	<a href="#">BadRequestException</a>	Content to send in the response payload body. One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
409	<a href="#">ConflictException</a>	The resource already exists.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### POST schema

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

### Response bodies

#### Tags schema

```
{
}
```

#### BadRequestException schema

```
{
```

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

### NotFoundException schema

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

### ConflictException schema

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

### LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### limitType

The limit type.

**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False



## resourceType

The resource type.

**Type:** string

**Required:** False

## TagResourceInput

Represents the input parameters for a TagResource request.

### tags

The collection of tags. Each tag element is associated with a given resource.

**Type:** [Tags](#)

**Required:** False

## Tags

Represents a collection of tags associated with the resource.

### key-value pairs

**Type:** string

## See also

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

### GetTags

- [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](#)

## VPCLink

Represents a VPC link. A VPC link enables you to create integrations with private resources in a VPC.

## URI

/v2/vpclinks/*vpclLinkId*

## HTTP methods

### GET

**Operation ID:** GetVpcLink

Gets a VPC link.

#### Path parameters

Name	Type	Required	Description
<i>vpclLinkId</i>	String	True	The ID of the VPC link.

#### Responses

Status code	Response model	Description
200	<a href="#">VpcLink</a>	Success
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

### DELETE

**Operation ID:** DeleteVpcLink

Deletes a VPC link.

## Path parameters

Name	Type	Required	Description
<i>vpcLinkId</i>	String	True	The ID of the VPC link.

## Responses

Status code	Response model	Description
202	None	202 response
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## PATCH

### Operation ID: UpdateVpcLink

Updates a VPC link.

## Path parameters

Name	Type	Required	Description
<i>vpcLinkId</i>	String	True	The ID of the VPC link.

## Responses

Status code	Response model	Description
200	<a href="#">VpcLink</a>	200 response

Status code	Response model	Description
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
404	<a href="#">NotFoundException</a>	The resource specified in the request was not found.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### PATCH schema

```
{  
  "name": "string"  
}
```

### Response bodies

#### VpcLink schema

```
{  
  "vpcLinkId": "string",  
  "name": "string",  
  "subnetIds": [  
    "string"  
  ],  
  "securityGroupIds": [  
    "string"  
  ],  
  "tags": {  
  },  
  "createdDate": "string",  
  "vpcLinkStatus": enum,  
  "vpcLinkStatusMessage": "string",  
}
```

```
"vpcLinkVersion": enum
}
```

### BadRequestException schema

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

### NotFoundException schema

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

### LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

## LimitExceededException

A limit has been exceeded. See the accompanying error message for details.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### limitType

The limit type.

**Type:** string

**Required:** False

## NotFoundException

The resource specified in the request was not found. See the message field for more information.

### message

Describes the error encountered.

**Type:** string

**Required:** False

### resourceType

The resource type.

**Type:** string

**Required:** False

## Tags

Represents a collection of tags associated with the resource.

## key-value pairs

**Type:** string

## UpdateVpcLinkInput

Represents the input parameters for an UpdateVpcLink request.

### name

The name of the VPC link.

**Type:** string

**Required:** False

## VpcLink

Represents a VPC link.

### vpcLinkId

The ID of the VPC link.

**Type:** string

**Required:** True

### name

The name of the VPC link.

**Type:** string

**Required:** True

### subnetIds

A list of subnet IDs to include in the VPC link.

**Type:** Array of type string

**Required:** True



## securityGroupIds

A list of security group IDs for the VPC link.

**Type:** Array of type string

**Required:** True

## tags

Tags for the VPC link.

**Type:** [Tags](#)

**Required:** False

## createdDate

The timestamp when the VPC link was created.

**Type:** string

**Required:** False

**Format:** date-time

## vpclinkStatus

The status of the VPC link.

**Type:** [VpclinkStatus](#)

**Required:** False

## vpclinkStatusMessage

A message summarizing the cause of the status of the VPC link.

**Type:** string

**Required:** False

## vpclinkVersion

The version of the VPC link.

**Type:** [VpcLinkVersion](#)

**Required:** False

## VpcLinkStatus

The status of the VPC link.

PENDING

AVAILABLE

DELETING

FAILED

INACTIVE

## VpcLinkVersion

The version of the VPC link.

V2

## See also

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

### GetVpcLink

- [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](#)

## DeleteVpcLink

- [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](#)

## UpdateVpcLink

- [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](#)

## VPCLinks

Represents your VPC links as a collection. A collection offers a paginated view of your VPC links.

### URI

`/v2/vpclinks`

## HTTP methods

### GET

**Operation ID:** GetVpcLinks

Gets a collection of VPC links.

#### Query parameters

Name	Type	Required	Description
nextToken	String	False	The next page of elements from this collection. Not valid for the last element of the collection.
maxResults	String	False	The maximum number of elements to be returned for this resource.

#### Responses

Status code	Response model	Description
200	<a href="#">VpcLinks</a>	Success
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

### POST

**Operation ID:** CreateVpcLink

Creates a VPC link.

## Responses

Status code	Response model	Description
201	<a href="#">VpcLink</a>	The request has succeeded and has resulted in the creation of a resource.
400	<a href="#">BadRequestException</a>	One of the parameters in the request is invalid.
429	<a href="#">LimitExceededException</a>	The client is sending more than the allowed number of requests per unit of time.

## Schemas

### Request bodies

#### POST schema

```
{
  "name": "string",
  "subnetIds": [
    "string"
  ],
  "securityGroupIds": [
    "string"
  ],
  "tags": {
  }
}
```

### Response bodies

#### VpcLinks schema

```
{
  "items": [
```

```
{
  "vpcLinkId": "string",
  "name": "string",
  "subnetIds": [
    "string"
  ],
  "securityGroupIds": [
    "string"
  ],
  "tags": {
  },
  "createdDate": "string",
  "vpcLinkStatus": enum,
  "vpcLinkStatusMessage": "string",
  "vpcLinkVersion": enum
}
],
"nextToken": "string"
}
```

## VpcLink schema

```
{
  "vpcLinkId": "string",
  "name": "string",
  "subnetIds": [
    "string"
  ],
  "securityGroupIds": [
    "string"
  ],
  "tags": {
  },
  "createdDate": "string",
  "vpcLinkStatus": enum,
  "vpcLinkStatusMessage": "string",
  "vpcLinkVersion": enum
}
```

## BadRequestException schema

```
{
```

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

## LimitExceededException schema

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

## Properties

### BadRequestException

The request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

#### message

Describes the error encountered.

**Type:** string

**Required:** False

### CreateVpcLinkInput

Represents the input parameters for a CreateVpcLink request.

#### name

The name of the VPC link.

**Type:** string

**Required:** True

#### subnetIds

A list of subnet IDs to include in the VPC link.

**Type:** Array of type string

**Required:** True

### **securityGroupIds**

A list of security group IDs for the VPC link.

**Type:** Array of type string

**Required:** False

### **tags**

A list of tags.

**Type:** [Tags](#)

**Required:** False

## **LimitExceededException**

A limit has been exceeded. See the accompanying error message for details.

### **message**

Describes the error encountered.

**Type:** string

**Required:** False

### **limitType**

The limit type.

**Type:** string

**Required:** False

## **Tags**

Represents a collection of tags associated with the resource.



## key-value pairs

**Type:** string

## VpcLink

Represents a VPC link.

### vpLinkId

The ID of the VPC link.

**Type:** string

**Required:** True

### name

The name of the VPC link.

**Type:** string

**Required:** True

### subnetIds

A list of subnet IDs to include in the VPC link.

**Type:** Array of type string

**Required:** True

### securityGroupIds

A list of security group IDs for the VPC link.

**Type:** Array of type string

**Required:** True

### tags

Tags for the VPC link.

**Type:** [Tags](#)

**Required:** False

### **createdDate**

The timestamp when the VPC link was created.

**Type:** string

**Required:** False

**Format:** date-time

### **vpclinkStatus**

The status of the VPC link.

**Type:** [VpclinkStatus](#)

**Required:** False

### **vpclinkStatusMessage**

A message summarizing the cause of the status of the VPC link.

**Type:** string

**Required:** False

### **vpclinkVersion**

The version of the VPC link.

**Type:** [VpclinkVersion](#)

**Required:** False

## **VpclinkStatus**

The status of the VPC link.

PENDING

AVAILABLE

DELETING  
FAILED  
INACTIVE

## VpcLinkVersion

The version of the VPC link.

V2

## VpcLinks

Represents a collection of VPCLinks.

### items

A collection of VPC links.

**Type:** Array of type [VpcLink](#)

**Required:** False

### nextToken

The next page of elements from this collection. Not valid for the last element of the collection.

**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:

## GetVpcLinks

- [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](#)

## CreateVpcLink

- [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](#)

# Operations

The Amazon API Gateway REST API includes the following operations.

- [CreateApi](#)  
Creates an `Api` resource.
- [CreateApiMapping](#)  
Creates an API mapping.
- [CreateAuthorizer](#)  
Creates an `Authorizer` for an API.
- [CreateDeployment](#)  
Creates a `Deployment` for an API.
- [CreateDomainName](#)  
Creates a domain name.
- [CreateIntegration](#)  
Creates an `Integration`.
- [CreateIntegrationResponse](#)  
Creates an `IntegrationResponses`.
- [CreateModel](#)  
Creates a `Model` for an API.
- [CreateRoute](#)  
Creates a `Route` for an API.
- [CreateRouteResponse](#)  
Creates a `RouteResponse` for a `Route`.
- [CreateStage](#)  
Creates a `Stage` for an API.

- [CreateVpcLink](#)

Creates a VPC link.

- [DeleteAccessLogSettings](#)

Deletes the AccessLogSettings for a Stage. To disable access logging for a Stage, delete its AccessLogSettings.

- [DeleteApi](#)

Deletes an Api resource.

- [DeleteApiMapping](#)

Deletes an API mapping.

- [DeleteAuthorizer](#)

Deletes an Authorizer.

- [DeleteCorsConfiguration](#)

Deletes a CORS configuration.

- [DeleteDeployment](#)

Deletes a Deployment.

- [DeleteDomainName](#)

Deletes a domain name.

- [DeleteIntegration](#)

Deletes an Integration.

- [DeleteIntegrationResponse](#)

Deletes an IntegrationResponses.

- [DeleteModel](#)

Deletes a Model.

- [DeleteRoute](#)

Deletes a Route.

- [DeleteRouteRequestParameter](#)

Deletes a route request parameter. Supported only for WebSocket APIs.

- [DeleteRouteResponse](#)

Deletes a RouteResponse.

- [DeleteRouteSettings](#)

Deletes the RouteSettings for a stage.

- [DeleteStage](#)

Deletes a Stage.

- [DeleteVpcLink](#)

Deletes a VPC link.

- [ExportApi](#)

Exports a definition of an API in a particular output format and specification.

- [GetApi](#)

Gets an Api resource.

- [GetApiMapping](#)

Gets an API mapping.

- [GetApiMappings](#)

Gets API mappings.

- [GetApis](#)

Gets a collection of Api resources.

- [GetAuthorizer](#)

Gets an Authorizer.

- [GetAuthorizers](#)

Gets the Authorizers for an API.

- [GetDeployment](#)

Gets a Deployment.

- [GetDeployments](#)

Gets the Deployments for an API.

- [GetDomainName](#)

Gets a domain name.

- [GetDomainNames](#)

Gets the domain names for an AWS account.

- [GetIntegration](#)

Gets an Integration.

- [GetIntegrationResponse](#)

Gets an IntegrationResponses.

- [GetIntegrationResponses](#)

Gets the IntegrationResponses for an Integration.

- [GetIntegrations](#)

Gets the Integrations for an API.

- [GetModel](#)

Gets a Model.

- [GetModels](#)

Gets the Models for an API.

- [GetModelTemplate](#)

Gets a model template.

- [GetRoute](#)

Gets a Route.

- [GetRouteResponse](#)

Gets a RouteResponse.

- [GetRouteResponses](#)



Gets the RouteResponses for a Route.

- [GetRoutes](#)

Gets the Routes for an API.

- [GetStage](#)

Gets a Stage.

- [GetStages](#)

Gets the Stages for an API.

- [GetTags](#)

Gets a collection of Tag resources.

- [GetVpcLink](#)

Gets a VPC link.

- [GetVpcLinks](#)

Gets a collection of VPC links.

- [ImportApi](#)

Imports an API.

- [ReimportApi](#)

Puts an Api resource.

- [ResetAuthorizersCache](#)

Resets all authorizer cache entries for the specified stage. Supported only for HTTP API Lambda authorizers.

- [TagResource](#)

Creates a new Tag resource to represent a tag.

- [UntagResource](#)

Deletes a Tag.

- [UpdateApi](#)

Updates an Api resource.

- [UpdateApiMapping](#)

The API mapping.

- [UpdateAuthorizer](#)

Updates an Authorizer.

- [UpdateDeployment](#)

Updates a Deployment.

- [UpdateDomainName](#)

Updates a domain name.

- [UpdateIntegration](#)

Updates an Integration.

- [UpdateIntegrationResponse](#)

Updates an IntegrationResponses.

- [UpdateModel](#)

Updates a Model.

- [UpdateRoute](#)

Updates a Route.

- [UpdateRouteResponse](#)

Updates a RouteResponse.

- [UpdateStage](#)

Updates a Stage.

- [UpdateVpcLink](#)

Updates a VPC link.

# Document History for the API Gateway WebSocket and HTTP API Reference

The following table describes major updates to the Amazon API Gateway WebSocket and HTTP API Reference.

- **Latest documentation update:** June 28, 2022

Change	Description	Date
<a href="#">Mutual TLS authentication</a>	Added support for mutual TLS authentication for HTTP APIs.	September 17, 2020
<a href="#">HTTP API Lambda and IAM authorizers</a>	Added support for Lambda and IAM authorizers for HTTP APIs.	September 9, 2020
<a href="#">HTTP API AWS service integrations</a>	Added support for AWS service integrations for HTTP APIs. To learn more, see <a href="#">Integration</a> .	August 20, 2020
<a href="#">HTTP API export</a>	Added support for exporting definitions of HTTP APIs. To learn more, see <a href="#">ExportedAPI</a> .	April 20, 2020
<a href="#">HTTP APIs</a>	General availability release of HTTP APIs.	March 12, 2020
<a href="#">HTTP APIs</a>	Beta release of HTTP APIs.	December 4, 2019
<a href="#">Major release</a>	Initial documentation release.	November 29, 2018

# AWS Glossary

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