Amazon API Gateway: API Reference
Copyright © 2020 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

Amazon API Gateway Version 2 API Reference

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resources</td>
<td>2</td>
</tr>
<tr>
<td>Apis</td>
<td>3</td>
</tr>
<tr>
<td>URI</td>
<td>4</td>
</tr>
<tr>
<td>HTTP Methods</td>
<td>5</td>
</tr>
<tr>
<td>Schemas</td>
<td>6</td>
</tr>
<tr>
<td>Properties</td>
<td>7</td>
</tr>
<tr>
<td>See Also</td>
<td>8</td>
</tr>
<tr>
<td>Authizers</td>
<td>15</td>
</tr>
<tr>
<td>URI</td>
<td>16</td>
</tr>
<tr>
<td>HTTP Methods</td>
<td>17</td>
</tr>
<tr>
<td>Schemas</td>
<td>18</td>
</tr>
<tr>
<td>Properties</td>
<td>19</td>
</tr>
<tr>
<td>See Also</td>
<td>20</td>
</tr>
<tr>
<td>Cors</td>
<td>27</td>
</tr>
<tr>
<td>URI</td>
<td>28</td>
</tr>
<tr>
<td>HTTP Methods</td>
<td>29</td>
</tr>
<tr>
<td>Schemas</td>
<td>30</td>
</tr>
<tr>
<td>Properties</td>
<td>31</td>
</tr>
<tr>
<td>See Also</td>
<td>32</td>
</tr>
<tr>
<td>Deployments</td>
<td>36</td>
</tr>
<tr>
<td>URI</td>
<td>37</td>
</tr>
<tr>
<td>HTTP Methods</td>
<td>38</td>
</tr>
<tr>
<td>Schemas</td>
<td>39</td>
</tr>
<tr>
<td>Properties</td>
<td>40</td>
</tr>
<tr>
<td>See Also</td>
<td>41</td>
</tr>
<tr>
<td>Integrations</td>
<td>45</td>
</tr>
<tr>
<td>URI</td>
<td>46</td>
</tr>
<tr>
<td>HTTP Methods</td>
<td>47</td>
</tr>
<tr>
<td>Schemas</td>
<td>48</td>
</tr>
<tr>
<td>Properties</td>
<td>49</td>
</tr>
<tr>
<td>See Also</td>
<td>50</td>
</tr>
<tr>
<td>Integration</td>
<td>53</td>
</tr>
<tr>
<td>URI</td>
<td>54</td>
</tr>
<tr>
<td>HTTP Methods</td>
<td>55</td>
</tr>
<tr>
<td>Schemas</td>
<td>56</td>
</tr>
<tr>
<td>Properties</td>
<td>57</td>
</tr>
<tr>
<td>See Also</td>
<td>58</td>
</tr>
<tr>
<td>Section</td>
<td>Page</td>
</tr>
<tr>
<td>--------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Properties</td>
<td>210</td>
</tr>
<tr>
<td>See Also</td>
<td>212</td>
</tr>
<tr>
<td>VPCLinks</td>
<td>213</td>
</tr>
<tr>
<td>URI</td>
<td>213</td>
</tr>
<tr>
<td>HTTP Methods</td>
<td>213</td>
</tr>
<tr>
<td>Schemas</td>
<td>214</td>
</tr>
<tr>
<td>Properties</td>
<td>215</td>
</tr>
<tr>
<td>See Also</td>
<td>219</td>
</tr>
<tr>
<td>VPCLink</td>
<td>219</td>
</tr>
<tr>
<td>URI</td>
<td>219</td>
</tr>
<tr>
<td>HTTP Methods</td>
<td>219</td>
</tr>
<tr>
<td>Schemas</td>
<td>221</td>
</tr>
<tr>
<td>Properties</td>
<td>222</td>
</tr>
<tr>
<td>See Also</td>
<td>225</td>
</tr>
<tr>
<td>Operations</td>
<td>226</td>
</tr>
<tr>
<td>Document History</td>
<td>230</td>
</tr>
<tr>
<td>AWS Glossary</td>
<td>231</td>
</tr>
</tbody>
</table>
Welcome to the Amazon API Gateway version 2 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
- Apis (p. 2)
- Api (p. 15)
- Authorizers (p. 27)
- Authorizer (p. 36)
- Cors (p. 45)
- Deployments (p. 48)
- Deployment (p. 54)
- Integrations (p. 60)
- Integration (p. 73)
- IntegrationResponses (p. 87)
- IntegrationResponse (p. 95)
- Models (p. 103)
- Model (p. 109)
- ModelTemplate (p. 115)
- Routes (p. 118)
- Route (p. 127)
- RouteRequestParameter (p. 137)
- RouteResponses (p. 139)
- RouteResponse (p. 146)
- Stages (p. 153)
- Stage (p. 164)
- AccessLogSettings (p. 174)
- RouteSettings (p. 176)
- DomainNames (p. 179)
- DomainName (p. 187)
- ApiMappings (p. 195)
- ApiMapping (p. 201)
- Tags (p. 207)
- VPCLinks (p. 213)
- VPCLink (p. 219)

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>The next page of elements from this collection. Not valid for the last element of the collection.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>The maximum number of elements to be returned for this resource.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Apis (p. 5)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 7)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 7)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 7)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

POST
Operation ID: CreateApi
Creates an Api resource.

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Api (p. 6)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
</tbody>
</table>
## Status Code

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>BadRequestException (p. 7)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 7)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 7)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 7)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

## PUT

Operation ID: ImportApi

Imports an API.

### Query Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>failOnWarnings</td>
<td>String</td>
<td>False</td>
<td>Specifies whether to rollback the API creation (true) or not (false) when a warning is encountered. The default value is false.</td>
</tr>
<tr>
<td>basepath</td>
<td>String</td>
<td>False</td>
<td>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 Set the OpenAPI basePath Property. Supported only for HTTP APIs.</td>
</tr>
</tbody>
</table>

### Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Api (p. 6)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 7)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 7)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>Status Code</td>
<td>Response Model</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------</td>
<td>-------------</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 7)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceeded Exception (p. 7)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### Schemas

#### Request Bodies

**Example POST**

```json
{
    "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"
    }
}
```

**Example PUT**

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

#### Response Bodies

**Example Api**

```json
{
}
```
"items": [
  
  
],

"nextToken": "string"
}

Example Api

{
  "apiId": "string",
  "name": "string",
  "description": "string",
  "version": "string",
  "protocolType": enum,
  "routeSelectionExpression": "string",
  "apiKeySelectionExpression": "string",
  "disableSchemaValidation": boolean,
  "warnings": [
    "string"
  ],
  "importInfo": [
    "string"
  ],
  "apiEndpoint": "string",
  "createdDate": "string",
  "tags": {
  },
  "corsConfiguration": {
    "allowOrigins": [
      "string"
    ],
    "allowCredentials": boolean,
    "exposeHeaders": [
      "string"
    ],
    "maxAge": integer,
    "allowMethods": [
      "string"
    ],
    "allowHeaders": [
      "string"
    ]
  }
},

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

Example BadRequestException

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

Example NotFoundException

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

Example ConflictException

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

Example LimitExceedededException

```
{
  "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 (p. 14)
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.
Properties

**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

**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

**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.
**Properties**

*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.
Properties

Type: ProtocolType (p. 14)
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 (p. 14)
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 (p. 10)  
- **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

LimitExceedededException

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.
WEB_SOCKET 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
• AWS SDK for Java
• AWS SDK for JavaScript
• 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
Api

Represents an API.

URI

/v2/apis/{apiId}

HTTP Methods

GET

Operation ID: GetApi

Gets an Api resource.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>{apiId}</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Api (p. 18)</td>
<td>Success</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 19)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>Status Code</td>
<td>Response Model</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------</td>
<td>-------------</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceeded Exception (p. 19)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

**PUT**

Operation ID: ReimportApi

Puts an Api resource.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

**Query Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>failOnWarnings</td>
<td>String</td>
<td>False</td>
<td>Specifies whether to rollback the API creation (true) or not (false) when a warning is encountered. The default value is false.</td>
</tr>
<tr>
<td>basepath</td>
<td>String</td>
<td>False</td>
<td>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 Set the OpenAPI basePath Property. Supported only for HTTP APIs.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Api (p. 18)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 19)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 19)</td>
<td>The resource specified in the request was not found.</td>
</tr>
</tbody>
</table>
### DELETE

Operation ID: DeleteApi

Deletes an Api resource.

#### Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

#### Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 19)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 19)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### PATCH

Operation ID: UpdateApi

Updates an Api resource.

#### Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

#### Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Api (p. 18)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 19)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
</tbody>
</table>
### Status Codes

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>404</td>
<td>NotFoundException (p. 19)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 19)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 19)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### Schemas

#### Request Bodies

**Example PUT**

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

**Example PATCH**

```json
{
  "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"
  ]
}
```

#### Response Bodies

**Example Api**

```json
{
```

---

18
Amazon API Gateway API Reference
Schemas

"apiId": "string",
"name": "string",
"description": "string",
"version": "string",
"protocolType": enum,
"routeSelectionExpression": "string",
"apiKeySelectionExpression": "string",
"disableSchemaValidation": boolean,
"warnings": [
  "string"
],
"importInfo": [
  "string"
],
"apiEndpoint": "string",
"createdDate": "string",
"tags": {
},
"corsConfiguration": {
  "allowOrigins": [
    "string"
  ],
  "allowCredentials": boolean,
  "exposeHeaders": [
    "string"
  ],
  "maxAge": integer,
  "allowMethods": [
    "string"
  ],
  "allowHeaders": [
    "string"
  ]
}

Example BadRequestException

{
  "message": "string"
}

Example NotFoundException

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

Example ConflictException

{
  "message": "string"
}

Example LimitExceededException

{
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 (p. 24)
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

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 (p. 24)
Properties

**Required**: False

**corsConfiguration**

A CORS configuration. Supported only for HTTP APIs.

**Type**: Cors (p. 22)
**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.
Properties

**resourceType**
The resource type.

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

**ProtocolType**
Represents a protocol type.

- WEB_SOCKET
- 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.
Properties

**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, specify null. 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 (p. 22)

**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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Authorizers

Represents the collection of authorizers for an API. For Lambda (REQUEST) authorizers, see Use API Gateway Lambda Authorizers.

URI

/v2/apis/apiId/authorizers

HTTP Methods

GET

Operation ID: GetAuthorizers

Gets the Authorizers for an API.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>
### Query Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>The next page of elements from this collection. Not valid for the last element of the collection.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>The maximum number of elements to be returned for this resource.</td>
</tr>
</tbody>
</table>

### Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Authorizers (p. 29)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 30)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 30)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 30)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### POST

Operation ID: CreateAuthorizer

Creates an Authorizer for an API.

### Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

### Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Authorizer (p. 30)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 30)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 30)</td>
<td>The resource specified in the request was not found.</td>
</tr>
</tbody>
</table>
### Status Code

<table>
<thead>
<tr>
<th>Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>409</td>
<td>ConflictException (p. 30)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 30)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### Schemas

#### Request Bodies

**Example POST**

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

#### Response Bodies

**Example Authorizers**

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

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

Example BadRequestException

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

Example NotFoundException

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

Example ConflictException

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

Example LimitExceedededException

```json
{
   "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. For WebSocket APIs, specify REQUEST for a Lambda function using incoming request parameters. For HTTP APIs, specify JWT to use JSON Web Tokens.

Type: AuthorizerType (p. 32)
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, specify null. 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. Currently, 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. These parameters will be used to perform runtime validation for Lambda-based authors 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 **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**

Authorizer caching is not currently supported. Don't specify this value for 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 (p. 35)
  Required: False

**AuthorizerType**

The authorizer type. For WebSocket APIs, specify **REQUEST** for a Lambda function using incoming request parameters. For HTTP APIs, specify **JWT** to use JSON Web Tokens.

  REQUEST
  JWT

**Authorizers**

Represents a collection of authorizers.

**items**

The elements from this collection.

  Type: Array of type Authorizer (p. 30)
  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. For WebSocket APIs, specify REQUEST for a Lambda function using incoming request parameters. For HTTP APIs, specify JWT to use JSON Web Tokens.

Type: AuthorizerType (p. 32)  
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, specify null. 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. Currently, 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. These parameters will be 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 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

Authorizer caching is not currently supported. Don’t specify this value for 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 (p. 35)  
**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
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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Authorizer

Represents an authorizer. For Lambda (REQUEST) authorizers, see Use API Gateway Lambda Authorizers. REQUEST authorizers are supported only for WebSocket APIs. For HTTP APIs, only JWT authorizers are supported.

URI

/v2/apis/apiId/authorizers/authorizerId
HTTP Methods

GET

Operation ID: GetAuthorizer

Gets an Authorizer.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>authorId</td>
<td>String</td>
<td>True</td>
<td>The authorizer identifier.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Authorizer (p. 39)</td>
<td>Success</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 39)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 39)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

DELETE

Operation ID: DeleteAuthorizer

Deletes an Authorizer.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>authorId</td>
<td>String</td>
<td>True</td>
<td>The authorizer identifier.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 39)</td>
<td>The resource specified in the request was not found.</td>
</tr>
</tbody>
</table>
### PATCH

Operation ID: UpdateAuthorizer

Updates an Authorizer.

#### Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>authorizerId</td>
<td>String</td>
<td>True</td>
<td>The authorizer identifier.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

#### Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Authorizer (p. 39)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 39)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 39)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 39)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 39)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### Schemas

#### Request Bodies

#### Example PATCH

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

Response Bodies

Example Authorizer

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

Example BadRequestException

{
    "message": "string"
}

Example NotFoundException

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

Example ConflictException

{
    "message": "string"
}

Example LimitExceedededException

{
    "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. For WebSocket APIs, specify REQUEST for a Lambda function using incoming request parameters. For HTTP APIs, specify JWT to use JSON Web Tokens.

Type: AuthorizerType (p. 41)
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, specify null. 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. Currently, 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. These parameters will be 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 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

Authorizer caching is not currently supported. Don't specify this value for 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 (p. 42)
  Required: False

AuthorizeType

The authorizer type. For WebSocket APIs, specify REQUEST for a Lambda function using incoming request parameters. For HTTP APIs, specify JWT to use JSON Web Tokens.

  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

**LimitExceedededException**

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

type
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. For WebSocket APIs, specify REQUEST for a Lambda function using incoming request parameters. For HTTP APIs, specify JWT to use JSON Web Tokens.

   Type: AuthorizerType (p. 41)
   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.
Properties

**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, specify null.

- **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. Currently, 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. These parameters will be 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 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**

Authorizer caching is not currently supported. Don't specify this value for 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 (p. 42)  
- **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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 46)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 46)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

Schemas

Response Bodies

Example NotFoundException

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

Example LimitExceededException

```
{
    "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
- AWS SDK for Java
- AWS SDK for JavaScript
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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Query Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>The next page of elements from this collection. Not valid for the last element of the collection.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>The maximum number of elements to be returned for this resource.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Deployments (p. 49)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 50)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 50)</td>
<td>The resource specified in the request was not found.</td>
</tr>
</tbody>
</table>
POST

Operation ID: CreateDeployment

Creates a Deployment for an API.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Deployment (p. 50)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 50)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 50)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 50)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 50)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

Schemas

Request Bodies

Example POST

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

Response Bodies

Example Deployments

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

Example Deployment

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

Example BadRequestException

{
  "message": "string"
}

Example NotFoundException

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

Example ConflictException

{
  "message": "string"
}

Example LimitExceededException

{
  "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.
**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 the `Stage` resource for the `Deployment` resource to create.

- **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 (p. 52)
  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 (p. 51)
    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
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
Deployment

Represents an API deployment.

URI

/v2/apis/{apiId}/deployments/{deploymentId}

HTTP Methods

GET

Operation ID: GetDeployment

Gets a Deployment.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>deploymentId</td>
<td>String</td>
<td>True</td>
<td>The deployment ID.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Deployment (p. 56)</td>
<td>Success</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 56)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 56)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>
DELETE

Operation ID: DeleteDeployment

Deletes a Deployment.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>deploymentId</td>
<td>String</td>
<td>True</td>
<td>The deployment ID.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 56)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 56)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

PATCH

Operation ID: UpdateDeployment

Updates a Deployment.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>deploymentId</td>
<td>String</td>
<td>True</td>
<td>The deployment ID.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Deployment (p. 56)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 56)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 56)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 56)</td>
<td>The resource already exists.</td>
</tr>
</tbody>
</table>
Schemas
Request Bodies
Example PATCH

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

Response Bodies
Example Deployment

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

Example BadRequestException

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

Example NotFoundException

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

Example ConflictException

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

Example LimitExceededException

```json
{
    "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 (p. 58)
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

LimitExceededExceptio
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.
UpdateDeploymentInput

Represents the input parameters for an UpdateDeployment request.

description

The description for the deployment resource.

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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Query Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>The next page of elements from this collection. Not valid for the last element of the collection.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>The maximum number of elements to be returned for this resource.</td>
</tr>
</tbody>
</table>
Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Integrations (p. 62)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 63)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 63)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 63)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

POST

Operation ID: CreateIntegration

Creates an Integration.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Integration (p. 62)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 63)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 63)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 63)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 63)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

Schemas

Request Bodies

Example POST

```json
{
    "description": "string",
```
"integrationType": enum,
"integrationMethod": "string",
"integrationUri": "string",
"tlsConfig": {
  "serverNameToVerify": "string"
},
"credentialsArn": "string",
"connectionType": enum,
"connectionId": "string",
"requestParameters": {
},
"requestTemplates": {
},
"templateSelectionExpression": "string",
"passthroughBehavior": enum,
"contentHandlingStrategy": enum,
"timeoutInMillis": integer,
"payloadFormatVersion": "string"
}

Response Bodies

Example Integrations

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

Example Integration

{
  "integrationId": "string",
  "description": "string",
  "integrationType": enum,
  "integrationMethod": "string",
  "integrationUri": "string",
  "tlsConfig": {
    "serverNameToVerify": "string"
  },
  "credentialsArn": "string",
  "connectionType": enum,
  "connectionId": "string",
  "requestParameters": {
  },
  "requestTemplates": {
  },
  "templateSelectionExpression": "string",
  "passthroughBehavior": enum,
  "contentHandlingStrategy": enum,
  "timeoutInMillis": integer,
  "integrationResponseSelectionExpression": "string",
  "payloadFormatVersion": "string",
  "apiGatewayManaged": boolean
}
### 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 the Lambda function-invoking action with the client request passed through as-is. This integration is also referred to as 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 (p. 71)
- **Required**: True

**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**: TlsConfigInput (p. 73)
- **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, specify null.

- **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 (p. 64)
**Properties**

**Required:** False

**connectionId**

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

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

**requestParameters**

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. Supported only for WebSocket APIs.

**Type:** IntegrationParameters (p. 71)  
**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 (p. 72)  
**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 (p. 72)  
**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 (p. 64)
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.

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 the Lambda function-invoking action with the client request passed through as-is. This integration is also referred to as 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 (p. 71)
- **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 (p. 72)
- **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, specify null.

- **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 (p. 64)
Required: False

connectionId

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

Type: string
Required: False

requestParameters

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. Supported only for WebSocket APIs.

Type: IntegrationParameters (p. 71)
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 (p. 72)
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 (p. 72)
   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 (p. 64)
   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.

   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

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.

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 (p. 67)
Required: False

nextToken

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

Type: string
Required: False

LimitExceeded Exception

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

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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>integrationId</td>
<td>String</td>
<td>True</td>
<td>The integration ID.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Integration (p. 76)</td>
<td>Success</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 76)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 77)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

**DELETE**

Operation ID: DeleteIntegration

Deletes an Integration.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>integrationId</td>
<td>String</td>
<td>True</td>
<td>The integration ID.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
</tbody>
</table>
### Status Code

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>404</td>
<td>NotFoundException (p. 76)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 77)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### PATCH

Operation ID: UpdateIntegration

Updates an Integration.

### Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>integrationId</td>
<td>String</td>
<td>True</td>
<td>The integration ID.</td>
</tr>
</tbody>
</table>

### Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Integration (p. 76)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 76)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 76)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 76)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 77)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### Schemas

#### Request Bodies

**Example PATCH**

```json
{
  "description": "string",
  "integrationType": enum,
  "integrationMethod": "string",
  "integrationUri": "string",
  "tlsConfig": {
    "serverNameToVerify": "string"
  },
  "credentialsArn": "string",
```
"connectionType": enum,
"connectionId": "string",
"requestParameters": {
},
"requestTemplates": {
},
"templateSelectionExpression": "string",
"passthroughBehavior": enum,
"contentHandlingStrategy": enum,
"timeoutInMillis": integer,
"payloadFormatVersion": "string"
}

Response Bodies

Example Integration

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

Example BadRequestException

{
   "message": "string"
}

Example NotFoundException

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

Example ConflictException

{
   "message": "string"
Example LimitExceededException

```json
{
  "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 the Lambda function-invoking action with the client request passed through as-is. This integration is also referred to as 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 (p. 81)
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 (p. 82)
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, specify null.

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 (p. 77)
Required: False

**connectionId**

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

Type: string
Required: False

**requestParameters**

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. Supported only for WebSocket APIs.

Type: IntegrationParameters (p. 81)
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 (p. 82)
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 (p. 82)
- **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 (p. 77)
- **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
Properties

**payloadFormatVersion**

Specifies the format of the payload sent to an integration. Required 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**

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.

- **key-value pairs**
  - **Type:** string

**IntegrationType**

Represents an API method integration type.

- AWS
- HTTP
- MOCK
- HTTP_PROXY
- AWS_PROXY

**LimitExceeded Exception**

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

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 the Lambda function-invoking action with the client request passed through as-is. This integration is also referred to as 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 (p. 81)
- **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: TlsConfigInput (p. 83)
   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, specify null.

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 (p. 77)
   Required: False

connectionId

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

Type: string
   Required: False

requestParameters

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. Supported only for WebSocket APIs.

Type: IntegrationParameters (p. 81)
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 (p. 82)
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 (p. 82)
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 (p. 77)
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.

**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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

**UpdateIntegration**
- AWS Command Line Interface
- AWS SDK for .NET
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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>integrationId</td>
<td>String</td>
<td>True</td>
<td>The integration ID.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Query Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>The next page of elements from this collection. Not valid for the last element of the collection.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>The maximum number of elements to be returned for this resource.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>IntegrationResponses</td>
<td>Success</td>
</tr>
</tbody>
</table>
### Status Code

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>BadRequestException (p. 89)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 89)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 90)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### POST

Operation ID: CreateIntegrationResponse

Creates an IntegrationResponses.

### Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>integrationId</td>
<td>String</td>
<td>True</td>
<td>The integration ID.</td>
</tr>
</tbody>
</table>

### Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>IntegrationResponse (p. 89)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 89)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 89)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 89)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 90)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### Schemas

**Request Bodies**

**Example POST**

```json
{
    "integrationResponseKey": "string",
    "responseParameters": {
```
Response Bodies

Example IntegrationResponses

```json
{
  "items": [
    {
      "integrationResponseId": "string",
      "integrationResponseKey": "string",
      "responseParameters": {
      },
      "responseTemplates": {
      },
      "templateSelectionExpression": "string",
      "contentHandlingStrategy": enum
    }
  ],
  "nextToken": "string"
}
```

Example IntegrationResponse

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

Example BadRequestException

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

Example NotFoundException

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

Example ConflictException

```json
{
  "message": "string"
}
```
Example LimitExceededException

```json
{
  "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_
Properties

**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 (p. 91)
  **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 (p. 94)
  **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 (p. 90)
  **Required**: False

**IntegrationParameters**

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.

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 (p. 91)

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 (p. 94)

Required: False

templateSelectionExpression

The template selection expressions for the integration response.

Type: string
Properties

**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` (p. 90)

**Required:** False

**IntegrationResponses**

Represents a collection of integration responses.

**items**

The elements from this collection.

**Type:** Array of type `IntegrationResponse` (p. 92)

**Required:** False

**nextToken**

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

**Type:** string

**Required:** False

**LimitExceeded Exception**

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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>integrationId</td>
<td>String</td>
<td>True</td>
<td>The integration ID.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>IntegrationResponse (p. 97)</td>
<td>Success</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 97)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 98)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

DELETE

Operation ID: DeleteIntegrationResponse

Deletes an IntegrationResponses.
Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>integrationResponse</td>
<td>String</td>
<td>True</td>
<td>The integration response ID.</td>
</tr>
<tr>
<td>integrationId</td>
<td>String</td>
<td>True</td>
<td>The integration ID.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 97)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 97)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

PATCH

Operation ID: UpdateIntegrationResponse

Updates an IntegrationResponses.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>integrationResponse</td>
<td>String</td>
<td>True</td>
<td>The integration response ID.</td>
</tr>
<tr>
<td>integrationId</td>
<td>String</td>
<td>True</td>
<td>The integration ID.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>IntegrationResponse (p. 97)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 97)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 97)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 97)</td>
<td>The resource already exists.</td>
</tr>
</tbody>
</table>
### Schemas

#### Status Code

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>429</td>
<td>LimitExceeded Exception (p. 98)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

#### Schemas

**Request Bodies**

**Example PATCH**

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

**Response Bodies**

**Example IntegrationResponse**

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

**Example BadRequestException**

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

**Example NotFoundException**

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

**Example ConflictException**

```json
{
}
```
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

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.

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 (p. 98)
    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 (p. 101)
    Required: False

templateSelectionExpression

The template selection expressions for the integration response.

    Type: string
**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` (p. 98)
**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 (p. 98)

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 (p. 101)

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 (p. 98)

**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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Query Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>The next page of elements from this collection. Not valid for the last element of the collection.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>The maximum number of elements to be returned for this resource.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Models (p. 105)</td>
<td>Success</td>
</tr>
</tbody>
</table>
POST

Operation ID: CreateModel

Creates a Model for an API.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Model (p. 105)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 105)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 105)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 105)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 105)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

Schemas

Request Bodies

Example POST

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

Response Bodies

Example Models

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

Example Model

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

Example BadRequestException

{
   "message": "string"
}

Example NotFoundException

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

Example ConflictException

{
   "message": "string"
}

Example LimitExceededException

{
   "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 (p. 107)
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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>modelId</td>
<td>String</td>
<td>True</td>
<td>The model ID.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>
Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Model (p. 111)</td>
<td>Success</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 111)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 112)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

DELETE

Operation ID: DeleteModel

Deletes a Model.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>modelId</td>
<td>String</td>
<td>True</td>
<td>The model ID.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 111)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 112)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

PATCH

Operation ID: UpdateModel

Updates a Model.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>modelId</td>
<td>String</td>
<td>True</td>
<td>The model ID.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>
Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Model (p. 111)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 111)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 111)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 112)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 112)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

Schemas

Request Bodies

Example PATCH

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

Response Bodies

Example Model

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

Example BadRequestException

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

Example NotFoundException

```json
{
  "message": "string",
  "resourceType": "string"
}
```
Example ConflictException

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

Example LimitExceededException

```
{
  "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.
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++
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**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>modelId</td>
<td>String</td>
<td>True</td>
<td>The model ID.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Template (p. 116)</td>
<td>Success</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 116)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 116)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

**Schemas**

**Response Bodies**

**Example Template**

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

**Example NotFoundException**

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

**Example LimitExceededException**

```json
{
  "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
**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**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

**Query Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>The next page of elements from this collection. Not valid for the last element of the collection.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>The maximum number of elements to be returned for this resource.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Routes (p. 120)</td>
<td>Success</td>
</tr>
</tbody>
</table>
### Status Code

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>BadRequestException (p. 121)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 121)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 121)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### POST

**Operation ID: CreateRoute**

Creates a Route for an API.

### Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

### Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Route (p. 120)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 121)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 121)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 121)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 121)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### Schemas

**Request Bodies**

**Example POST**

```json
{
    "routeKey": "string",
    "authorizationType": enum,
    "authorizerId": "string",
}
```
Response Bodies

Example Routes

```json
{
    "items": [
        {
            "routeId": "string",
            "routeKey": "string",
            "authorizationType": enum,
            "authorizerId": "string",
            "authorizationScopes": [
                "string"
            ],
            "apiKeyRequired": boolean,
            "requestParameters": {
                "string"
            },
            "requestModels": {
                "string"
            },
            "modelSelectionExpression": "string",
            "target": "string",
            "operationName": "string",
            "routeResponseSelectionExpression": "string",
            "apiGatewayManaged": boolean
        }
    ],
    "nextToken": "string"
}
```

Example Route

```json
{
    "routeId": "string",
    "routeKey": "string",
    "authorizationType": enum,
    "authorizerId": "string",
    "authorizationScopes": [
        "string"
    ],
    "apiKeyRequired": boolean,
    "requestParameters": {
        "string"
    },
    "requestModels": {
        "string"
    },
    "modelSelectionExpression": "string",
    "target": "string",
    "operationName": "string",
    "routeResponseSelectionExpression": "string",
    "apiGatewayManaged": boolean
}
```
"apiGatewayManaged": boolean

Example BadRequestException

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

Example NotFoundException

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

Example ConflictException

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

Example LimitExceedededException

```json
{
  "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, or JWT for using JSON Web Tokens.

- 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
Properties

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.

  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, or JWT for using JSON Web Tokens.

  Type: AuthorizationType (p. 121)  
  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 (p. 126)  
**Required**: False

**requestModels**

The request models for the route. Supported only for WebSocket APIs.

**Type**: RouteModels (p. 126)  
**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.

*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, or JWT for using JSON Web Tokens.

  Type: AuthorizationType (p. 121)
  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 (p. 126)
  Required: False

requestModels
The request models for the route. Supported only for WebSocket APIs.

  Type: RouteModels (p. 126)
  Required: False

modelSelectionExpression
The model selection expression for the route. Supported only for WebSocket APIs.
Properties

**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 (p. 124)
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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Route

Represents a route for an API.
The API identified by the `apiId` parameter is requested. The route with the ID specified by the `routeId` parameter is retrieved.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>routeId</td>
<td>String</td>
<td>True</td>
<td>The route ID.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Route (p. 130)</td>
<td>Success</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 130)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 130)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

**DELETE**

The API identified by the `apiId` parameter is deleted. The route with the ID specified by the `routeId` parameter is removed.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>routeId</td>
<td>String</td>
<td>True</td>
<td>The route ID.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
</tbody>
</table>
Status Code | Response Model | Description
---|---|---
404 | NotFoundException (p. 130) | The resource specified in the request was not found.
429 | LimitExceededException (p. 130) | The client is sending more than the allowed number of requests per unit of time.

**PATCH**

Operation ID: UpdateRoute

Updates a Route.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>routeId</td>
<td>String</td>
<td>True</td>
<td>The route ID.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Route (p. 130)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 130)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 130)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 130)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 130)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

**Schemas**

**Request Bodies**

**Example PATCH**

```json
{
    "routeKey": "string",
    "authorizationType": enum,
    "authorizerId": "string",
    "authorizationScopes": [
        "String"
    ],
    "apiKeyRequired": boolean,
```
"requestParameters": { },
"requestModels": { },
"modelSelectionExpression": "string",
"target": "string",
"operationName": "string",
"routeResponseSelectionExpression": "string"
}

Response Bodies

Example Route

{
"routeId": "string",
"routeKey": "string",
"authorizationType": enum,
"authorizerId": "string",
"authorizationScopes": [
"string"
],
"apiKeyRequired": boolean,
"requestParameters": { },
"requestModels": { },
"modelSelectionExpression": "string",
"target": "string",
"operationName": "string",
"routeResponseSelectionExpression": "string",
"apiGatewayManaged": boolean
}

Example BadRequestException

{
"message": "string"
}

Example NotFoundException

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

Example ConflictException

{
"message": "string"
}

Example LimitExceedededException

{
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, or JWT for using JSON Web Tokens.

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.

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, or `JWT` for using JSON Web Tokens.

_Type_: AuthorizationType (p. 131)
_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 (p. 134)
_Required_: False

**requestModels**

The request models for the route. Supported only for WebSocket APIs.

_Type_: RouteModels (p. 134)
_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.

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, or `JWT` for using JSON Web Tokens.

- **Type:** `AuthorizationType` (p. 131)
- **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` (p. 134)
- **Required:** False

**requestModels**

The request models for the route. Supported only for WebSocket APIs.

- **Type:** `RouteModels` (p. 134)
- **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.
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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateRoute

- AWS Command Line Interface
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.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>requestParameterKey</td>
<td>String</td>
<td>True</td>
<td>The route request parameter key.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>routeId</td>
<td>String</td>
<td>True</td>
<td>The route ID.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 138)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 138)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>
Schemas

Response Bodies

Example NotFoundException

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

Example LimitExceededException

```json
{
    "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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>routeId</td>
<td>String</td>
<td>True</td>
<td>The route ID.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Query Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>The next page of elements from this collection. Not valid for the last element of the collection.</td>
</tr>
</tbody>
</table>
HTTP Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>The maximum number of elements to be returned for this resource.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>RouteResponses (p. 141)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 141)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 141)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 142)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

**POST**

Operation ID: CreateRouteResponse

Creates a RouteResponse for a Route.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>routeId</td>
<td>String</td>
<td>True</td>
<td>The route ID.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>RouteResponse (p. 141)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 141)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 141)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 142)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 142)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>
Schemas

Request Bodies

Example POST

```
{
    "routeResponseKey": "string",
    "responseParameters": {
    },
    "responseModels": {
    },
    "modelSelectionExpression": "string"
}
```

Response Bodies

Example RouteResponses

```
{
    "items": [
    {
        "routeResponseId": "string",
        "routeResponseKey": "string",
        "responseParameters": {
        },
        "responseModels": {
        },
        "modelSelectionExpression": "string"
    }
    ],
    "nextToken": "string"
}
```

Example RouteResponse

```
{
    "routeResponseId": "string",
    "routeResponseKey": "string",
    "responseParameters": {
    },
    "responseModels": {
    },
    "modelSelectionExpression": "string"
}
```

Example BadRequestException

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

Example NotFoundException

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

Example ConflictException

{
  "message": "string"
}

Example LimitExceedededException

{
  "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 a CreateRouteResponse request.

routeResponseKey

The route response key.

Type: string

Required: True
responseParameters
The route response parameters.

- **Type**: RouteParameters (p. 144)
- **Required**: False

collectionRoutingConfigurations
The route collection configurations.

- **Type**: CollectionRoutingConfigurations (p. 144)
- **Required**: False

collectionRoutes
The route collection routes.

- **Type**: CollectionRoutes (p. 144)
- **Required**: False

responseModels
The response models for the route response.

- **Type**: RouteModels (p. 144)
- **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
Properties

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 (p. 144)
Required: False
responseModels
Represents the response models of a route response.

  Type: RouteModels (p. 144)
  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 (p. 144)
  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
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateRouteResponse
- AWS Command Line Interface
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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>routeResponseId</td>
<td>String</td>
<td>True</td>
<td>The route response ID.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>routeId</td>
<td>String</td>
<td>True</td>
<td>The route ID.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>RouteResponse (p. 148)</td>
<td>Success</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 148)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 149)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

DELETE

Operation ID: DeleteRouteResponse
Deletes a RouteResponse.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>routeResponseId</td>
<td>String</td>
<td>True</td>
<td>The route response ID.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>routeId</td>
<td>String</td>
<td>True</td>
<td>The route ID.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 148)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 149)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

**PATCH**

Operation ID: UpdateRouteResponse

Updates a RouteResponse.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>routeResponseId</td>
<td>String</td>
<td>True</td>
<td>The route response ID.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
<tr>
<td>routeId</td>
<td>String</td>
<td>True</td>
<td>The route ID.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>RouteResponse (p. 148)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 148)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 148)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 148)</td>
<td>The resource already exists.</td>
</tr>
</tbody>
</table>
Schemas

Request Bodies

Example PATCH

```json
{
  "routeResponseKey": "string",
  "responseParameters": {
  },
  "responseModels": {
  },
  "modelSelectionExpression": "string"
}
```

Response Bodies

Example RouteResponse

```json
{
  "routeResponseId": "string",
  "routeResponseKey": "string",
  "responseParameters": {
  },
  "responseModels": {
  },
  "modelSelectionExpression": "string"
}
```

Example BadRequestException

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

Example NotFoundException

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

Example ConflictException

```json
{
  "message": "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.
Properties

routeResponseKey
Represents the route response key of a route response.

Type: string
Required: False

responseParameters
Represents the response parameters of a route response.

Type: RouteParameters (p. 150)
Required: False

responseModels
Represents the response models of a route response.

Type: RouteModels (p. 150)
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 (p. 150)
Required: False

responseModels
The response models for the route response.

Type: RouteModels (p. 150)
**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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
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**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

**Query Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>The next page of elements from this collection. Not valid for the last element of the collection.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>The maximum number of elements to be returned for this resource.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Stages (p. 155)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 156)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 156)</td>
<td>The resource specified in the request was not found.</td>
</tr>
</tbody>
</table>
**POST**

Operation ID: CreateStage

Creates a Stage for an API.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Stage (p. 155)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 156)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 156)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 156)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 156)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

**Schemas**

**Request Bodies**

**Example POST**

```json
{
    "stageName": "string",
    "description": "string",
    "deploymentId": "string",
    "clientCertificateId": "string",
    "defaultRouteSettings": {
        "detailedMetricsEnabled": boolean,
        "loggingLevel": enum,
        "dataTraceEnabled": boolean,
        "throttlingBurstLimit": integer,
        "throttlingRateLimit": number
    }
}
```
Amazon API Gateway API Reference
Schemas

!),
"routeSettings": {
},
"stageVariables": {
},
"accessLogSettings": {
"format": "string",
"destinationArn": "string"
},
"tags": {
},
"autoDeploy": boolean
}

Response Bodies

Example Stages

{
"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"
}

Example Stage

{
"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

Example BadRequestException

{
  "message": "string"
}

Example NotFoundException

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

Example ConflictException

{
  "message": "string"
}

Example LimitExceedededException

{
  "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.
Properties

destinationArn

The ARN of the CloudWatch Logs log group to receive access logs.

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.

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.

CreateStageInput

Represents the input parameters for a CreateStage request.

stageName

The name of the stage.

description

The description for the API stage.
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 (p. 159)
  Required: False

routeSettings
Route settings for the stage, by routeKey.
  Type: RouteSettingsMap (p. 160)
  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 (p. 162)
  Required: False

accessLogSettings
Settings for logging access in this stage.
  Type: AccessLogSettings (p. 156)
  Required: False

tags
The collection of tags. Each tag element is associated with a given resource.
  Type: Tags (p. 163)
  Required: False

autoDeploy
Specifies whether updates to an API automatically trigger a new deployment. The default value is false.
  Type: boolean
**LimitExceeded Exception**

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

**Logging Level**

The logging level.

- ERROR
- INFO
- OFF

**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 (p. 159)`  
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

certificateId
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 (p. 159)
Required: False

routeSettings
Route settings for the stage, by routeKey.

Type: RouteSettingsMap (p. 160)
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 (p. 162)
Required: False

accessLogSettings
Settings for logging access in this stage.

Type: AccessLogSettings (p. 156)
Required: False

autoDeploy
Specifies whether updates to an API automatically trigger a new deployment. The default value is false.
Properties

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 (p. 163)
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 (p. 160)
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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
Stage

Represents an API stage.

URI

`/v2/apis/{apiId}/stages/{stageName}`

HTTP Methods

GET

Operation ID: GetStage

Gets a Stage.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>stageName</code></td>
<td>String</td>
<td>True</td>
<td>The stage name. Stage names can only contain alphanumeric characters, hyphens, and underscores. Maximum length is 128 characters.</td>
</tr>
<tr>
<td><code>apiId</code></td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Stage (p. 166)</td>
<td>Success</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 167)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 167)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

DELETE

Operation ID: DeleteStage

Deletes a Stage.
Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>stageName</td>
<td>String</td>
<td>True</td>
<td>The stage name. Stage names can only contain alphanumeric characters, hyphens, and underscores. Maximum length is 128 characters.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 167)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 167)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

PATCH

Operation ID: UpdateStage

Updates a Stage.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>stageName</td>
<td>String</td>
<td>True</td>
<td>The stage name. Stage names can only contain alphanumeric characters, hyphens, and underscores. Maximum length is 128 characters.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Stage (p. 166)</td>
<td>Success</td>
</tr>
</tbody>
</table>
### Status Codes

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>BadRequestException (p. 167)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 167)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 167)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 167)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### Schemas

#### Request Bodies

**Example PATCH**

```json
{
   "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

**Example Stage**

```json
{
   "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

Example BadRequestException

{
  "message": "string"
}

Example NotFoundException

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

Example ConflictException

{
  "message": "string"
}

Example LimitExceededException

{
  "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
OFF

**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 (p. 168)*

*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.
**Properties**

**Type:** RouteSettings (p. 169)  
**Required:** False

**routeSettings**

Route settings for the stage, by routeKey.

**Type:** RouteSettingsMap (p. 170)  
**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 (p. 172)  
**Required:** False

**accessLogSettings**

Settings for logging access in this stage.

**Type:** AccessLogSettings (p. 167)  
**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 (p. 172)*  
*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 (p. 169)  
**Required**: False

**routeSettings**

Route settings for the stage.

**Type**: RouteSettingsMap (p. 170)  
**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 (p. 172)  
**Required**: False

**accessLogSettings**

Settings for logging access in this stage.

**Type**: AccessLogSettings (p. 167)  
**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
- AWS SDK for Java
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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>stageName</td>
<td>String</td>
<td>True</td>
<td>The stage name. Stage names can only contain alphanumeric characters, hyphens, and underscores. Maximum length is 128 characters.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 175)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 175)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

Schemas

Response Bodies

Example NotFoundException

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

Example LimitExceedededException

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

Properties

LimitExceedededException

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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>stageName</td>
<td>String</td>
<td>True</td>
<td>The stage name. Stage names can only contain alphanumeric characters, hyphens, and underscores. Maximum length is 128 characters.</td>
</tr>
<tr>
<td>routeKey</td>
<td>String</td>
<td>True</td>
<td>The route key.</td>
</tr>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The API identifier.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 177)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 178)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

Schemas

Response Bodies

Example NotFoundException

```json
{
  "message": "string",
  "resourceType": "string"
}
```
Example LimitExceeded Exception

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

Properties

LimitExceeded Exception

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
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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>The next page of elements from this collection. Not valid for the last element of the collection.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>The maximum number of elements to be returned for this resource.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>DomainNames (p. 181)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 181)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 182)</td>
<td>The resource specified in the request was not found.</td>
</tr>
</tbody>
</table>
### Status Code | Response Model | Description
--- | --- | ---
429 | LimitExceededException (p. 182) | The client is sending more than the allowed number of requests per unit of time.

## POST

**Operation ID:** CreateDomainName

Creates a domain name.

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>DomainName (p. 181)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 181)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>403</td>
<td>AccessDeniedException (p. 182)</td>
<td>403 response</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 182)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 182)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 182)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

## Schemas

### Request Bodies

**Example POST**

```json
{
  "domainName": "string",
  "domainNameConfigurations": [
    {
      "endpointType": enum,
      "certificateName": "string",
      "certificateArn": "string",
      "apiGatewayDomainName": "string",
      "hostedZoneId": "string",
      "certificateUploadDate": "string",
      "securityPolicy": enum,
      "domainNameStatus": enum,
      "domainNameStatusMessage": "string"
    }
  ],
  "tags": {
```
Response Bodies

Example DomainNames

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

Example DomainName

```json
{
    "domainName": "string",
    "domainNameConfigurations": [
        {
            "endpointType": enum,
            "certificateName": "string",
            "certificateArn": "string",
            "apiGatewayDomainName": "string",
            "hostedZoneId": "string",
            "certificateUploadDate": "string",
            "securityPolicy": enum,
            "domainNameStatus": enum,
            "domainNameStatusMessage": "string"
        }
    ],
    "apiMappingSelectionExpression": "string",
    "tags": {}
}
```

Example BadRequestException

```json
{
    "message": "string"
}
```
Example AccessDeniedException

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

Example NotFoundException

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

Example ConflictException

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

Example LimitExceededException

```json
{
  "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 (p. 184)  
  Required: False

**tags**
The collection of tags associated with a domain name.

  
  Type: Tags (p. 186)  
  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 (p. 184)  
  Required: False

**apiMappingSelectionExpression**
The API mapping selection expression.

  
  Type: string
**tags**
The collection of tags associated with a domain name.

- **Type**: Tags (p. 186)
- **Required**: False

**DomainNameConfiguration**
The domain name configuration.

**endpointType**
The endpoint type.

- **Type**: EndpointType (p. 186)
- **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

**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

**apiGatewayDomainName**
A domain name for the API.

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

**hostedZoneId**
The Amazon Route 53 Hosted Zone ID of the endpoint.

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

**certificateUploadDate**
The timestamp when the certificate that was used by edge-optimized endpoint for this domain name was uploaded.
**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 (p. 186)
- **Required**: False

**domainNameStatus**

The status of the domain name migration. The valid values are AVAILABLE and UPDATING. If the status is UPDATING, the domain cannot be modified further until the existing operation is complete. If it is AVAILABLE, the domain can be updated.

- **Type**: DomainNameStatus (p. 185)
- **Required**: False

**domainNameStatusMessage**

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

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

**DomainNameStatus**

The status of the domain name migration. The valid values are AVAILABLE and UPDATING. If the status is UPDATING, the domain cannot be modified further until the existing operation is complete. If it is AVAILABLE, the domain can be updated.

- AVAILABLE
- UPDATING

**DomainNames**

Represents a collection of domain names.

**items**

The elements from this collection.

- **Type**: Array of type DomainName (p. 183)
- **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

**LimitExceeded Exception**

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

**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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>domainName</td>
<td>String</td>
<td>True</td>
<td>The domain name.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>DomainName (p. 189)</td>
<td>Success</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 190)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 190)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

DELETE

Operation ID: DeleteDomainName

Deletes a domain name.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>domainName</td>
<td>String</td>
<td>True</td>
<td>The domain name.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 190)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 190)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

PATCH

Operation ID: UpdateDomainName

Updates a domain name.
Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>domainName</td>
<td>String</td>
<td>True</td>
<td>The domain name.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>DomainName (p. 189)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 190)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 190)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 190)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 190)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

Schemas

Request Bodies

Example PATCH

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

Response Bodies

Example DomainName

```json
{
  "domainName": "string",
  "domainNameConfigurations": [
    {
      "endpointType": enum,
```
Example BadRequestException

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

Example NotFoundException

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

Example ConflictException

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

Example LimitExceedededException

```json
{
  "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 (p. 191)
Required: False

apiMappingSelectionExpression

The API mapping selection expression.

Type: string
Required: False

tags

The collection of tags associated with a domain name.

Type: Tags (p. 194)
Required: False

DomainNameConfiguration

The domain name configuration.

endpointType

The endpoint type.

Type: EndpointType (p. 193)
**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

**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

**apiGatewayDomainName**

A domain name for the API.

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

**hostedZoneId**

The Amazon Route 53 Hosted Zone ID of the endpoint.

**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

**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 (p. 194)  
**Required**: False

**domainNameStatus**

The status of the domain name migration. The valid values are AVAILABLE and UPDATING. If the status is UPDATING, the domain cannot be modified further until the existing operation is complete. If it is AVAILABLE, the domain can be updated.
**Type**: DomainNameStatus (p. 193)  
**Required**: False

**domainNameStatusMessage**

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

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

**DomainNameStatus**

The status of the domain name migration. The valid values are AVAILABLE and UPDATING. If the status is UPDATING, the domain cannot be modified further until the existing operation is complete. If it is AVAILABLE, the domain can be updated.

- AVAILABLE
- UPDATING

**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

**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 (p. 191)
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
- AWS SDK for Java
ApiMappings

Represents a collection of API mappings.

URI

/v2/domainnames/{domainName}/apimappings

HTTP Methods

GET

Operation ID: GetApiMappings

Gets API mappings.
Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>domainName</td>
<td>String</td>
<td>True</td>
<td>The domain name.</td>
</tr>
</tbody>
</table>

Query Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>The next page of elements from this collection. Not valid for the last element of the collection.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>The maximum number of elements to be returned for this resource.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>ApiMappings (p. 197)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 197)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 198)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 198)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

**POST**

Operation ID: CreateApiMapping

Creates an API mapping.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>domainName</td>
<td>String</td>
<td>True</td>
<td>The domain name.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>ApiMapping (p. 197)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
</tbody>
</table>
### Status Code

<table>
<thead>
<tr>
<th>Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>BadRequestException (p. 197)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 198)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 198)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 198)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

## Schemas

### Request Bodies

**Example POST**

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

### Response Bodies

**Example ApiMappings**

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

**Example ApiMapping**

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

**Example BadRequestException**

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

Example NotFoundException

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

Example ConflictException

{
   "message": "string"
}

Example LimitExceedededException

{
   "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 (p. 198)  
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.
Properties

**apiId**
The API identifier.

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

**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

---

**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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiMappingId</td>
<td>String</td>
<td>True</td>
<td>The API mapping identifier.</td>
</tr>
<tr>
<td>domainName</td>
<td>String</td>
<td>True</td>
<td>The domain name.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>ApiMapping (p. 204)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 204)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 204)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 204)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

**DELETE**

Operation ID: DeleteApiMapping

Deletes an API mapping.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiMappingId</td>
<td>String</td>
<td>True</td>
<td>The API mapping identifier.</td>
</tr>
<tr>
<td>domainName</td>
<td>String</td>
<td>True</td>
<td>The domain name.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 204)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 204)</td>
<td>The resource specified in the request was not found.</td>
</tr>
</tbody>
</table>
Schemas

Request Bodies

Example PATCH

```json
{
```

PATCH

Operation ID: UpdateApiMapping

The API mapping.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiMappingId</td>
<td>String</td>
<td>True</td>
<td>The API mapping identifier.</td>
</tr>
<tr>
<td>domainName</td>
<td>String</td>
<td>True</td>
<td>The domain name.</td>
</tr>
</tbody>
</table>

Query Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>apiId</td>
<td>String</td>
<td>True</td>
<td>The identifier of the API.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>ApiMapping (p. 204)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 204)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 204)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>409</td>
<td>ConflictException (p. 204)</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 204)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>
"apiMappingKey": "string",
"apiId": "string",
"stage": "string"
}

Response Bodies

Example ApiMapping

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

Example BadRequestException

{
  "message": "string"
}

Example NotFoundException

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

Example ConflictException

{
  "message": "string"
}

Example LimitExceeded Exception

{
  "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

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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>resource-arn</td>
<td>String</td>
<td>True</td>
<td>The resource ARN for the tag.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Tags (p. 210)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 210)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 210)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 210)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

POST

Operation ID: TagResource

Creates a new Tag resource to represent a tag.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>resource-arn</td>
<td>String</td>
<td>True</td>
<td>The resource ARN for the tag.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>None</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
</tbody>
</table>
## DELETE

**Operation ID: UntagResource**

Deletes a Tag.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>resource-arn</td>
<td>String</td>
<td>True</td>
<td>The resource ARN for the tag.</td>
</tr>
</tbody>
</table>

**Query Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UntagResourceInput</td>
<td>String</td>
<td>True</td>
<td>Represents the input parameters for an UntagResource request.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request has succeeded, and there is no additional content to send in the response payload body.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 210)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 210)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 210)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>
Schemas

Request Bodies

Example POST

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

Response Bodies

Example Tags

```json
{
}
```

Example BadRequestException

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

Example NotFoundException

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

Example ConflictException

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

Example LimitExceedededException

```json
{
  "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
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 (p. 212)
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
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
UntagResource

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>The next page of elements from this collection. Not valid for the last element of the collection.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>The maximum number of elements to be returned for this resource.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>VpcLinks (p. 214)</td>
<td>Success</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 215)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
</tbody>
</table>
POST

Operation ID: CreateVpcLink

Creates a VPC link.

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>VpcLink (p. 215)</td>
<td>The request has succeeded and has resulted in the creation of a resource.</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 215)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 215)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

Schemas

Request Bodies

Example POST

```json
{
    "name": "string",
    "subnetIds": [
        "string"
    ],
    "securityGroupIds": [
        "string"
    ],
    "tags": {
    }
}
```

Response Bodies

Example VpcLinks

```json
{
    "items": [
        {
            "vpcLinkId": "string",
            "name": "string",
            "subnetIds": [
```
Example VpcLink

```
{
  "vpcLinkId": "string",
  "name": "string",
  "subnetIds": [
    "string"
  ],
  "securityGroupIds": [
    "string"
  ],
  "tags": {
    "createdDate": "string",
    "vpcLinkStatus": enum,
    "vpcLinkStatusMessage": "string",
    "vpcLinkVersion": enum
  }
},
"nextToken": "string"
}
```

Example BadRequestException

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

Example LimitExceedededException

```
{
  "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.
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 (p. 217)
Required: False

LimitExceeded Exception

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.

docs

vpcLinkId
The ID of the VPC link.
Type: string
Required: True

ame
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 (p. 217)
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 (p. 218)
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 (p. 218)
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 (p. 217)
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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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/vpcLinkId

HTTP Methods

GET

Operation ID: GetVpcLink

Gets a VPC link.
Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>vpcLinkId</td>
<td>String</td>
<td>True</td>
<td>The ID of the VPC link.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>VpcLink (p. 221)</td>
<td>Success</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 221)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 222)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

DELETE

Operation ID: DeleteVpcLink

Deletes a VPC link.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>vpcLinkId</td>
<td>String</td>
<td>True</td>
<td>The ID of the VPC link.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td>None</td>
<td>202 response</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 221)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 222)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

PATCH

Operation ID: UpdateVpcLink

Updates a VPC link.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>vpcLinkId</td>
<td>String</td>
<td>True</td>
<td>The ID of the VPC link.</td>
</tr>
</tbody>
</table>
### Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>VpcLink (p. 221)</td>
<td>200 response</td>
</tr>
<tr>
<td>400</td>
<td>BadRequestException (p. 221)</td>
<td>One of the parameters in the request is invalid.</td>
</tr>
<tr>
<td>404</td>
<td>NotFoundException (p. 221)</td>
<td>The resource specified in the request was not found.</td>
</tr>
<tr>
<td>429</td>
<td>LimitExceededException (p. 222)</td>
<td>The client is sending more than the allowed number of requests per unit of time.</td>
</tr>
</tbody>
</table>

### Schemas

**Request Bodies**

**Example PATCH**

```json
{
  "name": "string"
}
```

**Response Bodies**

**Example VpcLink**

```json
{
  "vpcLinkId": "string",
  "name": "string",
  "subnetIds": [
    "string"
  ],
  "securityGroupIds": [
    "string"
  ],
  "tags": {
  },
  "createdDate": "string",
  "vpcLinkStatus": enum,
  "vpcLinkStatusMessage": "string",
  "vpcLinkVersion": enum
}
```

**Example BadRequestException**

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

**Example NotFoundException**

```json
{
  "message": "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.
Properties

Type: Array of type string
Required: True

tags
Tags for the VPC link.
Type: Tags (p. 223)
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 (p. 224)
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 (p. 224)
Required: False

VpcLinkStatus
The status of the VPC link.

VpcLinkVersion
The version of the VPC link.
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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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
- AWS SDK for Java
- AWS SDK for JavaScript
- 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 (p. 3)**
  Creates an API resource.
- **CreateApiMapping (p. 196)**
  Creates an API mapping.
- **CreateAuthorizer (p. 28)**
  Creates an Authorizer for an API.
- **CreateDeployment (p. 49)**
  Creates a Deployment for an API.
- **CreateDomainName (p. 180)**
  Creates a domain name.
- **CreateIntegration (p. 61)**
  Creates an Integration.
- **CreateIntegrationResponse (p. 88)**
  Creates an IntegrationResponses.
- **CreateModel (p. 104)**
  Creates a Model for an API.
- **CreateRoute (p. 119)**
  Creates a Route for an API.
- **CreateRouteResponse (p. 140)**
  Creates a RouteResponse for a Route.
- **CreateStage (p. 154)**
  Creates a Stage for an API.
- **CreateVpcLink (p. 214)**
  Creates a VPC link.
- **DeleteAccessLogSettings (p. 174)**
  Deletes the AccessLogSettings for a Stage. To disable access logging for a Stage, delete its AccessLogSettings.
- **DeleteApi (p. 17)**
  Deletes an API resource.
- **DeleteApiMapping (p. 202)**
  Deletes an API mapping.
- **DeleteAuthorizer (p. 37)**
  Deletes an Authorizer.
- **DeleteCorsConfiguration** (p. 46)
  Deletes a CORS configuration.
- **DeleteDeployment** (p. 55)
  Deletes a Deployment.
- **DeleteDomainName** (p. 188)
  Deletes a domain name.
- **DeleteIntegration** (p. 74)
  Deletes an Integration.
- **DeleteIntegrationResponse** (p. 95)
  Deletes an IntegrationResponses.
- **DeleteModel** (p. 110)
  Deletes a Model.
- **DeleteRoute** (p. 128)
  Deletes a Route.
- **DeleteRouteRequestParameter** (p. 137)
  Deletes a route request parameter.
- **DeleteRouteResponse** (p. 146)
  Deletes a RouteResponse.
- **DeleteRouteSettings** (p. 177)
  Deletes the RouteSettings for a stage.
- **DeleteStage** (p. 164)
  Deletes a Stage.
- **DeleteVpcLink** (p. 220)
  Deletes a VPC link.
- **GetApi** (p. 15)
  Gets an Api resource.
- **GetApiMapping** (p. 201)
  Gets an API mapping.
- **GetApiMappings** (p. 195)
  Gets API mappings.
- **GetApis** (p. 3)
  Gets a collection of Api resources.
- **GetAuthorizer** (p. 37)
  Gets an Authorizer.
- **GetAuthorizers** (p. 27)
  Gets the Authorizers for an API.
- **GetDeployment** (p. 54)
  **GetDeployment** (p. 54)
Gets a Deployment.
- GetDeployments (p. 48)

Gets the Deployments for an API.
- GetDomainName (p. 187)

Gets a domain name.
- GetDomainNames (p. 179)

Gets the domain names for an AWS account.
- GetIntegration (p. 74)

Gets an Integration.
- GetIntegrationResponse (p. 95)

Gets an IntegrationResponses.
- GetIntegrationResponses (p. 87)

Gets the IntegrationResponses for an Integration.
- GetIntegrations (p. 60)

Gets the Integrations for an API.
- GetModel (p. 109)

Gets a Model.
- GetModels (p. 103)

Gets the Models for an API.
- GetModelTemplate (p. 115)

Gets a model template.
- GetRoute (p. 128)

Gets a Route.
- GetRouteResponse (p. 146)

Gets a RouteResponse.
- GetRouteResponses (p. 139)

Gets the RouteResponses for a Route.
- GetRoutes (p. 118)

Gets the Routes for an API.
- GetStage (p. 164)

Gets a Stage.
- GetStages (p. 153)

Gets the Stages for an API.
- GetTags (p. 208)

Gets a collection of Tag resources.
- GetVpcLink (p. 219)

Gets a VPC link.
- **GetVpcLinks** *(p. 213)*
  Gets a collection of VPC links.
- **ImportApi** *(p. 4)*
  Imports an API.
- **ReimportApi** *(p. 16)*
  Puts an Api resource.
- **TagResource** *(p. 208)*
  Creates a new Tag resource to represent a tag.
- **UntagResource** *(p. 209)*
  Deletes a Tag.
- **UpdateApi** *(p. 17)*
  Updates an Api resource.
- **UpdateApiMapping** *(p. 203)*
  The API mapping.
- **UpdateAuthorizer** *(p. 38)*
  Updates an Authorizer.
- **UpdateDeployment** *(p. 55)*
  Updates a Deployment.
- **UpdateDomainName** *(p. 188)*
  Updates a domain name.
- **UpdateIntegration** *(p. 75)*
  Updates an Integration.
- **UpdateIntegrationResponse** *(p. 96)*
  Updates an IntegrationResponses.
- **UpdateModel** *(p. 110)*
  Updates a Model.
- **UpdateRoute** *(p. 129)*
  Updates a Route.
- **UpdateRouteResponse** *(p. 147)*
  Updates a RouteResponse.
- **UpdateStage** *(p. 165)*
  Updates a Stage.
- **UpdateVpcLink** *(p. 220)*
  Updates a VPC link.
Document History for the API Gateway v2 API Reference

The following table describes the documentation for this release of the Amazon API Gateway v2 API Reference.

- **API version:** v2
- **Latest documentation update:** March 12, 2020

<table>
<thead>
<tr>
<th>update-history-change</th>
<th>update-history-description</th>
<th>update-history-date</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTP APIs (p. 230)</td>
<td>General availability release of HTTP APIs.</td>
<td>March 12, 2020</td>
</tr>
<tr>
<td>HTTP APIs (p. 230)</td>
<td>Beta release of HTTP APIs.</td>
<td>December 4, 2019</td>
</tr>
<tr>
<td>Major release (p. 230)</td>
<td>Initial documentation release.</td>
<td>November 29, 2018</td>
</tr>
</tbody>
</table>

230
AWS Glossary

For the latest AWS terminology, see the AWS Glossary in the AWS General Reference.