aws

AWS RTB Fabric

API Version 2023-05-15

AWS RTB Fabric: API Reference

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Welcome

AWS RTB Fabric provides secure, low-latency infrastructure for connecting real-time bidding (RTB) applications. Rather than hosting applications directly, RTB Fabric acts as the connecting fabric that enables your applications to communicate efficiently over private networks instead of the public internet. You maintain complete control over your applications, data, and bidding decisions, while RTB Fabric provides the underlying infrastructure for secure, reliable connectivity.

You can use these APIs to complete RTB Fabric tasks, such as setting up audit log ingestions or viewing user access. For more information about RTB Fabric, including the required permissions to use the service, see the AWS RTB Fabric User Guide.

This document was last published on March 27, 2026.

Actions

The following actions are supported:

- AcceptLink
- CreateInboundExternalLink
- CreateLink
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- CreateRequesterGateway
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AcceptLink

Accepts a link request between gateways.

When a requester gateway requests to link with a responder gateway, the responder can use this operation to accept the link request and establish the connection.

Request Syntax

```
POST /gateway/gatewayId/link/linkId/accept HTTP/1.1
Content-type: application/json

{
   "attributes": {
      "customerProvidedId": "string",
      "responderErrorMasking": [
         {
            "action": "string",
            "httpCode": "string",
            "loggingTypes": [ "string" ],
            "responseLoggingPercentage": number
         }
      ]
   },
   "logSettings": {
      "applicationLogs": {
         "sampling": {
            "errorLog": number,
            "filterLog": number
         }
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

linkId

The unique identifier of the link.

Pattern: `link-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

attributes

Attributes of the link.

Type: LinkAttributes object

Required: No

logSettings

Settings for the application logs.

Type: LinkLogSettings object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "attributes": {
        "customerProvidedId": "string",
        "responderErrorMasking": [
            {
```

```
                "action": "string",
                "httpCode": "string",
                "loggingTypes": [ "string" ],
                "responseLoggingPercentage": number
             }
          ]
       },
       "createdAt": number,
       "direction": "string",
       "flowModules": [
          {
             "dependsOn": [ "string" ],
             "moduleParameters": { ... },
             "name": "string",
             "version": "string"
          }
       ],
       "gatewayId": "string",
       "linkId": "string",
       "peerGatewayId": "string",
       "pendingFlowModules": [
          {
             "dependsOn": [ "string" ],
             "moduleParameters": { ... },
             "name": "string",
             "version": "string"
          }
       ],
       "status": "string",
       "updatedAt": number
    }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

attributes

Attributes of the link.

Type: LinkAttributes object

createdAt

The timestamp of when the link was created.

Type: Timestamp

direction

The direction of the link.

Type: String

Valid Values: `RESPONSE | REQUEST`

flowModules

The configuration of flow modules.

Type: Array of ModuleConfiguration objects

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

linkId

The unique identifier of the link.

Type: String

Pattern: `link-[a-z0-9-]{1,25}`

peerGatewayId

The unique identifier of the peer gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

pendingFlowModules

The configuration of pending flow modules.

Type: Array of [ModuleConfiguration](#) objects

status

The status of the link.

Type: String

Valid Values: PENDING_CREATION | PENDING_REQUEST | REQUESTED | ACCEPTED | ACTIVE | REJECTED | FAILED | PENDING_DELETION | DELETED | PENDING_UPDATE | PENDING_ISOLATION | ISOLATED | PENDING_RESTORATION

updatedAt

The timestamp of when the link was updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request could not be completed because of a conflict in the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateInboundExternalLink

Creates an inbound external link.

Request Syntax

```
POST /responder-gateway/gatewayId/inbound-external-link HTTP/1.1
Content-type: application/json

{
   "attributes": {
      "customerProvidedId": "string",
      "responderErrorMasking": [
         {
            "action": "string",
            "httpCode": "string",
            "loggingTypes": [ "string" ],
            "responseLoggingPercentage": number
         }
      ]
   },
   "clientToken": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

attributes

Attributes of the link.

Type: LinkAttributes object

Required: No

clientToken

The unique client token.

Type: String

Required: Yes

tags

A map of the key-value pairs of the tag or tags to assign to the resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "domainName": "string",
    "gatewayId": "string",
    "linkId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

domainName

The domain name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?)(?:\.(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?))+`

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

linkId

The unique identifier of the link.

Type: String

Pattern: `link-[a-z0-9-]{1,25}`

status

The status of the request.

Type: String

Valid Values: `PENDING_CREATION` | `PENDING_REQUEST` | `REQUESTED` | `ACCEPTED` | `ACTIVE` | `REJECTED` | `FAILED` | `PENDING_DELETION` | `DELETED` | `PENDING_UPDATE` | `PENDING_ISOLATION` | `ISOLATED` | `PENDING_RESTORATION`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request could not be completed because of a conflict in the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request could not be completed because you exceeded a service quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

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- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

CreateLink

Creates a new link between gateways.

Establishes a connection that allows gateways to communicate and exchange bid requests and responses.

Request Syntax

```
POST /gateway/gatewayId/create-link HTTP/1.1
Content-type: application/json

{
   "attributes": {
      "customerProvidedId": "string",
      "responderErrorMasking": [
         {
            "action": "string",
            "httpCode": "string",
            "loggingTypes": [ "string" ],
            "responseLoggingPercentage": number
         }
      ]
   },
   "httpResponderAllowed": boolean,
   "logSettings": {
      "applicationLogs": {
         "sampling": {
            "errorLog": number,
            "filterLog": number
         }
      }
   },
   "peerGatewayId": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

attributes

Attributes of the link.

Type: LinkAttributes object

Required: No

httpResponderAllowed

Boolean to specify if an HTTP responder is allowed.

Type: Boolean

Required: No

logSettings

Settings for the application logs.

Type: LinkLogSettings object

Required: Yes

peerGatewayId

The unique identifier of the peer gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

tags

A map of the key-value pairs of the tag or tags to assign to the resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "attributes": {
      "customerProvidedId": "string",
      "responderErrorMasking": [
         {
            "action": "string",
            "httpCode": "string",
            "loggingTypes": [ "string" ],
            "responseLoggingPercentage": number
         }
      ]
   },
   "createdAt": number,
   "customerProvidedId": "string",
   "direction": "string",
   "flowModules": [
      {
         "dependsOn": [ "string" ],
         "moduleParameters": { ... },
         "name": "string",
         "version": "string"
      }
   ],
   "gatewayId": "string",
```

```
      "linkId": "string",
      "peerGatewayId": "string",
      "pendingFlowModules": [
         {
            "dependsOn": [ "string" ],
            "moduleParameters": { ... },
            "name": "string",
            "version": "string"
         }
      ],
      "status": "string",
      "updatedAt": number
   }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

attributes

Attributes of the link.

Type: LinkAttributes object

createdAt

The timestamp of when the link was created.

Type: Timestamp

customerProvidedId

The customer-provided unique identifier of the link.

Type: String

Pattern: `[a-zA-Z0-9_-]{5,50}`

direction

The direction of the link.

Type: String

Valid Values: RESPONSE | REQUEST

flowModules

The configuration of flow modules.

Type: Array of ModuleConfiguration objects

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

linkId

The unique identifier of the link.

Type: String

Pattern: `link-[a-z0-9-]{1,25}`

peerGatewayId

The unique identifier of the peer gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

pendingFlowModules

The configuration of pending flow modules.

Type: Array of ModuleConfiguration objects

status

The status of the request.

Type: String

Valid Values: PENDING_CREATION | PENDING_REQUEST | REQUESTED | ACCEPTED | ACTIVE | REJECTED | FAILED | PENDING_DELETION | DELETED | PENDING_UPDATE | PENDING_ISOLATION | ISOLATED | PENDING_RESTORATION

updatedAt

The timestamp of when the link was updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request could not be completed because of a conflict in the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request could not be completed because you exceeded a service quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

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- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateOutboundExternalLink

Creates an outbound external link.

Request Syntax

```
POST /requester-gateway/gatewayId/outbound-external-link HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "publicEndpoint": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

The unique client token.

Type: String

Required: Yes

publicEndpoint

The public endpoint of the link.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `(https|http)://.+`

Required: Yes

tags

A map of the key-value pairs of the tag or tags to assign to the resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "gatewayId": "string",
    "linkId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

linkId

The unique identifier of the link.

Type: String

Pattern: `link-[a-z0-9-]{1,25}`

status

The status of the request.

Type: String

Valid Values: PENDING_CREATION | PENDING_REQUEST | REQUESTED | ACCEPTED | ACTIVE | REJECTED | FAILED | PENDING_DELETION | DELETED | PENDING_UPDATE | PENDING_ISOLATION | ISOLATED | PENDING_RESTORATION

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request could not be completed because you exceeded a service quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
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- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
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- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateRequesterGateway

Creates a requester gateway.

Request Syntax

```
POST /requester-gateway HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "securityGroupIds": [ "string" ],
   "subnetIds": [ "string" ],
   "tags": {
      "string" : "string"
   },
   "vpcId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

The unique client token.

Type: String

Required: Yes

description

An optional description for the requester gateway.

Type: String

Pattern: [A-Za-z0-9]+

Required: No

securityGroupIds

The unique identifiers of the security groups.

Type: Array of strings

Array Members: Minimum number of 1 item.

Pattern: `sg-[0-9a-f]{8,40}`

Required: Yes

subnetIds

The unique identifiers of the subnets.

Type: Array of strings

Array Members: Minimum number of 1 item.

Pattern: `subnet-\w{8,17}`

Required: Yes

tags

A map of the key-value pairs of the tag or tags to assign to the resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

Required: No

vpcId

The unique identifier of the Virtual Private Cloud (VPC).

Type: String

Pattern: `vpc-[a-f0-9]{8,17}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "domainName": "string",
    "gatewayId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

domainName

The domain name of the requester gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?)(?:\.(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?))+

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: rtb-gw-[a-z0-9-]{1,25}

status

The status of the request.

Type: String

Valid Values: PENDING_CREATION | ACTIVE | PENDING_DELETION | DELETED | ERROR | PENDING_UPDATE | ISOLATED | PENDING_ISOLATION | PENDING_RESTORATION

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request could not be completed because you exceeded a service quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
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- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
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- [AWS SDK for Ruby V3](#)

CreateResponderGateway

Creates a responder gateway.

> ⚠️ **Important**
>
> A domain name or managed endpoint is required.

Request Syntax

```
POST /responder-gateway HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "domainName": "string",
   "managedEndpointConfiguration": { ... },
   "port": number,
   "protocol": "string",
   "securityGroupIds": [ "string" ],
   "subnetIds": [ "string" ],
   "tags": {
      "string" : "string"
   },
   "trustStoreConfiguration": {
      "certificateAuthorityCertificates": [ "string" ]
   },
   "vpcId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

The unique client token.

Type: String

Required: Yes

description

An optional description for the responder gateway.

Type: String

Pattern: `[A-Za-z0-9 ]+`

Required: No

domainName

The domain name for the responder gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?)(?:\.(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?))+`

Required: No

managedEndpointConfiguration

The configuration for the managed endpoint.

Type: ManagedEndpointConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

port

The networking port to use.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

protocol

The networking protocol to use.

Type: String

Valid Values: `HTTP` | `HTTPS`

Required: Yes

securityGroupIds

The unique identifiers of the security groups.

Type: Array of strings

Array Members: Minimum number of 1 item.

Pattern: `sg-[0-9a-f]{8,40}`

Required: Yes

subnetIds

The unique identifiers of the subnets.

Type: Array of strings

Array Members: Minimum number of 1 item.

Pattern: `subnet-\w{8,17}`

Required: Yes

tags

A map of the key-value pairs of the tag or tags to assign to the resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

Required: No

trustStoreConfiguration

The configuration of the trust store.

Type: TrustStoreConfiguration object

Required: No

vpcId

The unique identifier of the Virtual Private Cloud (VPC).

Type: String

Pattern: `vpc-[a-f0-9]{8,17}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "gatewayId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

status

The status of the request.

Type: String

Valid Values: `PENDING_CREATION` | `ACTIVE` | `PENDING_DELETION` | `DELETED` | `ERROR` | `PENDING_UPDATE` | `ISOLATED` | `PENDING_ISOLATION` | `PENDING_RESTORATION`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request could not be completed because you exceeded a service quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteInboundExternalLink

Deletes an inbound external link.

Request Syntax

```
DELETE /responder-gateway/gatewayId/inbound-external-link/linkId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

   The unique identifier of the gateway.

   Pattern: `rtb-gw-[a-z0-9-]{1,25}`

   Required: Yes

linkId

   The unique identifier of the link.

   Pattern: `link-[a-z0-9-]{1,25}`

   Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "linkId": "string",
   "status": "string"
```

```
    }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

linkId

The unique identifier of the link.

Type: String

Pattern: `link-[a-z0-9-]{1,25}`

status

The status of the request.

Type: String

Valid Values: `PENDING_CREATION` | `PENDING_REQUEST` | `REQUESTED` | `ACCEPTED` | `ACTIVE` | `REJECTED` | `FAILED` | `PENDING_DELETION` | `DELETED` | `PENDING_UPDATE` | `PENDING_ISOLATION` | `ISOLATED` | `PENDING_RESTORATION`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request could not be completed because of a conflict in the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteLink

Deletes a link between gateways.

Permanently removes the connection between gateways. This action cannot be undone.

Request Syntax

```
DELETE /gateway/gatewayId/link/linkId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

linkId

The unique identifier of the link.

Pattern: `link-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "linkId": "string",
```

```
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

linkId

The unique identifier of the link.

Type: String

Pattern: `link-[a-z0-9-]{1,25}`

status

The status of the link.

Type: String

Valid Values: `PENDING_CREATION | PENDING_REQUEST | REQUESTED | ACCEPTED | ACTIVE | REJECTED | FAILED | PENDING_DELETION | DELETED | PENDING_UPDATE | PENDING_ISOLATION | ISOLATED | PENDING_RESTORATION`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request could not be completed because of a conflict in the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteOutboundExternalLink

Deletes an outbound external link.

Request Syntax

```
DELETE /requester-gateway/gatewayId/outbound-external-link/linkId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

linkId

The unique identifier of the link.

Pattern: `link-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "linkId": "string",
    "status": "string"
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

linkId

The unique identifier of the link.

Type: String

Pattern: `link-[a-z0-9-]{1,25}`

status

The status of the request.

Type: String

Valid Values: PENDING_CREATION | PENDING_REQUEST | REQUESTED | ACCEPTED |
ACTIVE | REJECTED | FAILED | PENDING_DELETION | DELETED | PENDING_UPDATE
| PENDING_ISOLATION | ISOLATED | PENDING_RESTORATION

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request could not be completed because of a conflict in the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteRequesterGateway

Deletes a requester gateway.

Request Syntax

```
DELETE /requester-gateway/gatewayId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "gatewayId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

status

The status of the request.

Type: String

Valid Values: PENDING_CREATION | ACTIVE | PENDING_DELETION | DELETED | ERROR | PENDING_UPDATE | ISOLATED | PENDING_ISOLATION | PENDING_RESTORATION

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteResponderGateway

Deletes a responder gateway.

Request Syntax

```
DELETE /responder-gateway/gatewayId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "gatewayId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

status

The status of the request.

Type: String

Valid Values: PENDING_CREATION | ACTIVE | PENDING_DELETION | DELETED | ERROR | PENDING_UPDATE | ISOLATED | PENDING_ISOLATION | PENDING_RESTORATION

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetInboundExternalLink

Retrieves information about an inbound external link.

Request Syntax

```
GET /responder-gateway/gatewayId/inbound-external-link/linkId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

linkId

The unique identifier of the link.

Pattern: `link-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "attributes": {
      "customerProvidedId": "string",
      "responderErrorMasking": [
         {
```

```
                    "action": "string",
                    "httpCode": "string",
                    "loggingTypes": [ "string" ],
                    "responseLoggingPercentage": number
                }
            ]
        },
        "createdAt": number,
        "domainName": "string",
        "flowModules": [
            {
                "dependsOn": [ "string" ],
                "moduleParameters": { ... },
                "name": "string",
                "version": "string"
            }
        ],
        "gatewayId": "string",
        "linkId": "string",
        "pendingFlowModules": [
            {
                "dependsOn": [ "string" ],
                "moduleParameters": { ... },
                "name": "string",
                "version": "string"
            }
        ],
        "status": "string",
        "tags": {
            "string" : "string"
        },
        "updatedAt": number
    }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

attributes

Attributes of the link.

Type: [LinkAttributes](#) object

createdAt

The timestamp of when the inbound external link was created.

Type: Timestamp

domainName

The domain name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?)(?:\.(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?))+`

flowModules

The configuration of flow modules.

Type: Array of [ModuleConfiguration](#) objects

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

linkId

The unique identifier of the link.

Type: String

Pattern: `link-[a-z0-9-]{1,25}`

pendingFlowModules

The configuration of pending flow modules.

Type: Array of [ModuleConfiguration](#) objects

status

The status of the request.

Type: String

Valid Values: PENDING_CREATION | PENDING_REQUEST | REQUESTED | ACCEPTED | ACTIVE | REJECTED | FAILED | PENDING_DELETION | DELETED | PENDING_UPDATE | PENDING_ISOLATION | ISOLATED | PENDING_RESTORATION

tags

A map of the key-value pairs for the tag or tags assigned to the specified resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

updatedAt

The timestamp of when the inbound external link was updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetLink

Retrieves information about a link between gateways.

Returns detailed information about the link configuration, status, and associated gateways.

Request Syntax

```
GET /gateway/gatewayId/link/linkId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

linkId

The unique identifier of the link.

Pattern: `link-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "attributes": {
        "customerProvidedId": "string",
        "responderErrorMasking": [
```

```
            {
                "action": "string",
                "httpCode": "string",
                "loggingTypes": [ "string" ],
                "responseLoggingPercentage": number
            }
        ]
    },
    "createdAt": number,
    "direction": "string",
    "flowModules": [
        {
            "dependsOn": [ "string" ],
            "moduleParameters": { ... },
            "name": "string",
            "version": "string"
        }
    ],
    "gatewayId": "string",
    "linkId": "string",
    "logSettings": {
        "applicationLogs": {
            "sampling": {
                "errorLog": number,
                "filterLog": number
            }
        }
    },
    "peerGatewayId": "string",
    "pendingFlowModules": [
        {
            "dependsOn": [ "string" ],
            "moduleParameters": { ... },
            "name": "string",
            "version": "string"
        }
    ],
    "status": "string",
    "tags": {
        "string" : "string"
    },
    "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

attributes

    Attributes of the link.

    Type: LinkAttributes object

createdAt

    The timestamp of when the link was created.

    Type: Timestamp

direction

    The direction of the link.

    Type: String

    Valid Values: `RESPONSE | REQUEST`

flowModules

    The configuration of flow modules.

    Type: Array of ModuleConfiguration objects

gatewayId

    The unique identifier of the gateway.

    Type: String

    Pattern: `rtb-gw-[a-z0-9-]{1,25}`

linkId

    The unique identifier of the link.

    Type: String

    Pattern: `link-[a-z0-9-]{1,25}`

logSettings

Settings for the application logs.

Type: LinkLogSettings object

peerGatewayId

The unique identifier of the peer gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

pendingFlowModules

The configuration of pending flow modules.

Type: Array of ModuleConfiguration objects

status

The status of the link.

Type: String

Valid Values: `PENDING_CREATION | PENDING_REQUEST | REQUESTED | ACCEPTED | ACTIVE | REJECTED | FAILED | PENDING_DELETION | DELETED | PENDING_UPDATE | PENDING_ISOLATION | ISOLATED | PENDING_RESTORATION`

tags

A map of the key-value pairs for the tag or tags assigned to the specified resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

updatedAt

The timestamp of when the link was updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request could not be completed because of a conflict in the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)

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

- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

GetOutboundExternalLink

Retrieves information about an outbound external link.

Request Syntax

```
GET /requester-gateway/gatewayId/outbound-external-link/linkId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

linkId

The unique identifier of the link.

Pattern: `link-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "createdAt": number,
    "gatewayId": "string",
    "linkId": "string",
```

```
      "publicEndpoint": "string",
      "status": "string",
      "tags": {
         "string" : "string"
      },
      "updatedAt": number
  }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

> The timestamp of when the outbound external link was created.
>
> Type: Timestamp

gatewayId

> The unique identifier of the gateway.
>
> Type: String
>
> Pattern: `rtb-gw-[a-z0-9-]{1,25}`

linkId

> The unique identifier of the link.
>
> Type: String
>
> Pattern: `link-[a-z0-9-]{1,25}`

publicEndpoint

> The public endpoint for the link.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 255.
>
> Pattern: `(https|http)://.+`

status

The status of the request.

Type: String

Valid Values: PENDING_CREATION | PENDING_REQUEST | REQUESTED | ACCEPTED | ACTIVE | REJECTED | FAILED | PENDING_DELETION | DELETED | PENDING_UPDATE | PENDING_ISOLATION | ISOLATED | PENDING_RESTORATION

tags

A map of the key-value pairs for the tag or tags assigned to the specified resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

updatedAt

The timestamp of when the outbound external link was updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetRequesterGateway

Retrieves information about a requester gateway.

Request Syntax

```
GET /requester-gateway/gatewayId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "activeLinksCount": number,
   "createdAt": number,
   "description": "string",
   "domainName": "string",
   "gatewayId": "string",
   "securityGroupIds": [ "string" ],
   "status": "string",
   "subnetIds": [ "string" ],
   "tags": {
      "string" : "string"
```

```
    },
    "totalLinksCount": number,
    "updatedAt": number,
    "vpcId": "string"
 }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

activeLinksCount

> The count of active links for the requester gateway.

> Type: Integer

createdAt

> The timestamp of when the requester gateway was created.

> Type: Timestamp

description

> The description of the requester gateway.

> Type: String

> Pattern: [A-Za-z0-9]+

domainName

> The domain name of the requester gateway.

> Type: String

> Length Constraints: Minimum length of 1. Maximum length of 255.

> Pattern: (?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?)(?:\.(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?))+

gatewayId

> The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

securityGroupIds

The unique identifiers of the security groups.

Type: Array of strings

Array Members: Minimum number of 1 item.

Pattern: `sg-[0-9a-f]{8,40}`

status

The status of the request.

Type: String

Valid Values: `PENDING_CREATION | ACTIVE | PENDING_DELETION | DELETED | ERROR | PENDING_UPDATE | ISOLATED | PENDING_ISOLATION | PENDING_RESTORATION`

subnetIds

The unique identifiers of the subnets.

Type: Array of strings

Array Members: Minimum number of 1 item.

Pattern: `subnet-\w{8,17}`

tags

A map of the key-value pairs for the tag or tags assigned to the specified resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

totalLinksCount

The total count of links for the requester gateway.

Type: Integer

updatedAt

The timestamp of when the requester gateway was updated.

Type: Timestamp

vpcId

The unique identifier of the Virtual Private Cloud (VPC).

Type: String

Pattern: `vpc-[a-f0-9]{8,17}`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetResponderGateway

Retrieves information about a responder gateway.

Request Syntax

```
GET /responder-gateway/gatewayId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "activeLinksCount": number,
   "createdAt": number,
   "description": "string",
   "domainName": "string",
   "gatewayId": "string",
   "inboundLinksCount": number,
   "managedEndpointConfiguration": { ... },
   "port": number,
   "protocol": "string",
   "securityGroupIds": [ "string" ],
```

```
    "status": "string",
    "subnetIds": [ "string" ],
    "tags": {
       "string" : "string"
    },
    "totalLinksCount": number,
    "trustStoreConfiguration": {
       "certificateAuthorityCertificates": [ "string" ]
    },
    "updatedAt": number,
    "vpcId": "string"
 }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

activeLinksCount

    The count of active links for the responder gateway.

    Type: Integer

createdAt

    The timestamp of when the responder gateway was created.

    Type: Timestamp

description

    The description of the responder gateway.

    Type: String

    Pattern: [A-Za-z0-9]+

domainName

    The domain name of the responder gateway.

    Type: String

    Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?)(?:\.(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?))+`

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

inboundLinksCount

The count of inbound links for the responder gateway.

Type: Integer

managedEndpointConfiguration

The configuration of the managed endpoint.

Type: ManagedEndpointConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

port

The networking port.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

protocol

The networking protocol.

Type: String

Valid Values: HTTP | HTTPS

securityGroupIds

The unique identifiers of the security groups.

Type: Array of strings

Array Members: Minimum number of 1 item.

Pattern: `sg-[0-9a-f]{8,40}`

status

The status of the request.

Type: String

Valid Values: `PENDING_CREATION` | `ACTIVE` | `PENDING_DELETION` | `DELETED` | `ERROR` | `PENDING_UPDATE` | `ISOLATED` | `PENDING_ISOLATION` | `PENDING_RESTORATION`

subnetIds

The unique identifiers of the subnets.

Type: Array of strings

Array Members: Minimum number of 1 item.

Pattern: `subnet-\w{8,17}`

tags

A map of the key-value pairs for the tag or tags assigned to the specified resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

totalLinksCount

The total count of links for the responder gateway.

Type: Integer

trustStoreConfiguration

The configuration of the trust store.

Type: TrustStoreConfiguration object

updatedAt

The timestamp of when the responder gateway was updated.

Type: Timestamp

vpcId

The unique identifier of the Virtual Private Cloud (VPC).

Type: String

Pattern: `vpc-[a-f0-9]{8,17}`

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListLinks

Lists links associated with gateways.

Returns a list of all links for the specified gateways, including their status and configuration details.

Request Syntax

```
GET /gateway/gatewayId/links/?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

maxResults

The maximum number of results that are returned per call. You can use `nextToken` to obtain further pages of results.

This is only an upper limit. The actual number of results returned per call might be fewer than the specified maximum.

nextToken

If `nextToken` is returned, there are more results available. The value of `nextToken` is a unique pagination token for each page. Make the call again using the returned token to retrieve the next page. Keep all other arguments unchanged. Each pagination token expires after 24 hours. Using an expired pagination token will return an *HTTP 400 InvalidToken error*.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "links": [
      {
        "attributes": {
            "customerProvidedId": "string",
            "responderErrorMasking": [
              {
                  "action": "string",
                  "httpCode": "string",
                  "loggingTypes": [ "string" ],
                  "responseLoggingPercentage": number
              }
            ]
        },
        "createdAt": number,
        "direction": "string",
        "flowModules": [
          {
              "dependsOn": [ "string" ],
              "moduleParameters": { ... },
              "name": "string",
              "version": "string"
          }
        ],
        "gatewayId": "string",
        "linkId": "string",
        "peerGatewayId": "string",
        "pendingFlowModules": [
          {
              "dependsOn": [ "string" ],
              "moduleParameters": { ... },
              "name": "string",
              "version": "string"
          }
        ],
        "status": "string",
        "tags": {
            "string" : "string"
```

```
            },
            "updatedAt": number
        }
    ],
    "nextToken": "string"
 }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

links

Information about created links.

Type: Array of ListLinksResponseStructure objects

nextToken

If nextToken is returned, there are more results available. The value of nextToken is a unique pagination token for each page. Make the call again using the returned token to retrieve the next page. Keep all other arguments unchanged. Each pagination token expires after 24 hours. Using an expired pagination token will return an *HTTP 400 InvalidToken error*.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListRequesterGateways

Lists requester gateways.

Request Syntax

```
GET /requester-gateways?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results that are returned per call. You can use `nextToken` to obtain further pages of results.

This is only an upper limit. The actual number of results returned per call might be fewer than the specified maximum.

Valid Range: Minimum value of 1. Maximum value of 10.

nextToken

If `nextToken` is returned, there are more results available. The value of `nextToken` is a unique pagination token for each page. Make the call again using the returned token to retrieve the next page. Keep all other arguments unchanged. Each pagination token expires after 24 hours. Using an expired pagination token will return an *HTTP 400 InvalidToken error*.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "gatewayIds": [ "string" ],
```

```
    "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

gatewayIds

The unique identifier of the gateways.

Type: Array of strings

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

nextToken

If `nextToken` is returned, there are more results available. The value of `nextToken` is a unique pagination token for each page. Make the call again using the returned token to retrieve the next page. Keep all other arguments unchanged. Each pagination token expires after 24 hours. Using an expired pagination token will return an *HTTP 400 InvalidToken error*.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListResponderGateways

Lists reponder gateways.

Request Syntax

```
GET /responder-gateways?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results that are returned per call. You can use `nextToken` to obtain further pages of results.

This is only an upper limit. The actual number of results returned per call might be fewer than the specified maximum.

Valid Range: Minimum value of 1. Maximum value of 10.

nextToken

If `nextToken` is returned, there are more results available. The value of `nextToken` is a unique pagination token for each page. Make the call again using the returned token to retrieve the next page. Keep all other arguments unchanged. Each pagination token expires after 24 hours. Using an expired pagination token will return an *HTTP 400 InvalidToken error*.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "gatewayIds": [ "string" ],
```

```
    "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

gatewayIds

The unique identifier of the gateways.

Type: Array of strings

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

nextToken

If `nextToken` is returned, there are more results available. The value of `nextToken` is a unique pagination token for each page. Make the call again using the returned token to retrieve the next page. Keep all other arguments unchanged. Each pagination token expires after 24 hours. Using an expired pagination token will return an *HTTP 400 InvalidToken error*.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListTagsForResource

Lists tags for a resource.

Request Syntax

```
GET /tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource for which you want to retrieve tags.

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:aws:rtbfabric:[a-zA-Z0-9_-]+:[0-9]{12}:gateway/[a-zA-Z0-9-]+(/link/[a-zA-Z0-9-]+)?`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

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

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

tags

A map of the key-value pairs for the tag or tags assigned to the specified resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

RejectLink

Rejects a link request between gateways.

When a requester gateway requests to link with a responder gateway, the responder can use this operation to decline the link request.

Request Syntax

```
POST /gateway/gatewayId/link/linkId/reject HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

linkId

The unique identifier of the link.

Pattern: `link-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
    "attributes": {
        "customerProvidedId": "string",
        "responderErrorMasking": [
            {
                "action": "string",
                "httpCode": "string",
                "loggingTypes": [ "string" ],
                "responseLoggingPercentage": number
            }
        ]
    },
    "createdAt": number,
    "direction": "string",
    "flowModules": [
        {
            "dependsOn": [ "string" ],
            "moduleParameters": { ... },
            "name": "string",
            "version": "string"
        }
    ],
    "gatewayId": "string",
    "linkId": "string",
    "peerGatewayId": "string",
    "pendingFlowModules": [
        {
            "dependsOn": [ "string" ],
            "moduleParameters": { ... },
            "name": "string",
            "version": "string"
        }
    ],
    "status": "string",
    "updatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

attributes

Attributes of the link.

Type: LinkAttributes object

createdAt

The timestamp of when the link was created.

Type: Timestamp

direction

The direction of the link.

Type: String

Valid Values: `RESPONSE | REQUEST`

flowModules

The configuration of flow modules.

Type: Array of ModuleConfiguration objects

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

linkId

The unique identifier of the link.

Type: String

Pattern: `link-[a-z0-9-]{1,25}`

peerGatewayId

The unique identifier of the peer gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

pendingFlowModules

The configuration of pending flow modules.

Type: Array of ModuleConfiguration objects

status

The status of the link.

Type: String

Valid Values: `PENDING_CREATION | PENDING_REQUEST | REQUESTED | ACCEPTED | ACTIVE | REJECTED | FAILED | PENDING_DELETION | DELETED | PENDING_UPDATE | PENDING_ISOLATION | ISOLATED | PENDING_RESTORATION`

updatedAt

The timestamp of when the link was updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request could not be completed because of a conflict in the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

TagResource

Assigns one or more tags (key-value pairs) to the specified resource.

Request Syntax

```
POST /tags/resourceArn HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource that you want to tag.

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:aws:rtbfabric:[a-zA-Z0-9_-]+:[0-9]{12}:gateway/[a-zA-Z0-9-]+(/link/[a-zA-Z0-9-]+)?`

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

A map of the key-value pairs of the tag or tags to assign to the resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UntagResource

Removes a tag or tags from a resource.

Request Syntax

```
DELETE /tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource that you want to untag.

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:aws:rtbfabric:[a-zA-Z0-9_-]+:[0-9]{12}:gateway/[a-zA-Z0-9-]+(/link/[a-zA-Z0-9-]+)?`

Required: Yes

tagKeys

The keys of the key-value pairs for the tag or tags you want to remove from the specified resource.

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateLink

Updates the configuration of a link between gateways.

Allows you to modify settings and parameters for an existing link.

Request Syntax

```
PATCH /gateway/gatewayId/link/linkId HTTP/1.1
Content-type: application/json

{
   "logSettings": {
      "applicationLogs": {
         "sampling": {
            "errorLog": number,
            "filterLog": number
         }
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

    The unique identifier of the gateway.

    Pattern: `rtb-gw-[a-z0-9-]{1,25}`

    Required: Yes

linkId

    The unique identifier of the link.

    Pattern: `link-[a-z0-9-]{1,25}`

    Required: Yes

Request Body

The request accepts the following data in JSON format.

logSettings

Settings for the application logs.

Type: LinkLogSettings object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "linkId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

linkId

The unique identifier of the link.

Type: String

Pattern: `link-[a-z0-9-]{1,25}`

status

The status of the request.

Type: String

Valid Values: `PENDING_CREATION` | `PENDING_REQUEST` | `REQUESTED` | `ACCEPTED` | `ACTIVE` | `REJECTED` | `FAILED` | `PENDING_DELETION` | `DELETED` | `PENDING_UPDATE` | `PENDING_ISOLATION` | `ISOLATED` | `PENDING_RESTORATION`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request could not be completed because of a conflict in the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateLinkModuleFlow

Updates a link module flow.

Request Syntax

```
POST /gateway/gatewayId/link/linkId/module-flow HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "modules": [
      {
         "dependsOn": [ "string" ],
         "moduleParameters": { ... },
         "name": "string",
         "version": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

linkId

The unique identifier of the link.

Pattern: `link-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

The unique client token.

Type: String

Required: Yes

modules

The configuration of a module.

Type: Array of ModuleConfiguration objects

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "gatewayId": "string",
    "linkId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

linkId

The unique identifier of the link.

Type: String

Pattern: `link-[a-z0-9-]{1,25}`

status

The status of the request.

Type: String

Valid Values: `PENDING_CREATION` | `PENDING_REQUEST` | `REQUESTED` | `ACCEPTED` | `ACTIVE` | `REJECTED` | `FAILED` | `PENDING_DELETION` | `DELETED` | `PENDING_UPDATE` | `PENDING_ISOLATION` | `ISOLATED` | `PENDING_RESTORATION`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request could not be completed because of a conflict in the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request could not be completed because you exceeded a service quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateRequesterGateway

Updates a requester gateway.

Request Syntax

```
POST /requester-gateway/gatewayId/update HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

The unique client token.

Type: String

Required: Yes

description

An optional description for the requester gateway.

Type: String

Pattern: `[A-Za-z0-9 ]+`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "gatewayId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

status

The status of the request.

Type: String

Valid Values: `PENDING_CREATION` | `ACTIVE` | `PENDING_DELETION` | `DELETED` | `ERROR` | `PENDING_UPDATE` | `ISOLATED` | `PENDING_ISOLATION` | `PENDING_RESTORATION`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request could not be completed because of a conflict in the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateResponderGateway

Updates a responder gateway.

Request Syntax

```
POST /responder-gateway/gatewayId/update HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "domainName": "string",
   "managedEndpointConfiguration": { ... },
   "port": number,
   "protocol": "string",
   "trustStoreConfiguration": {
      "certificateAuthorityCertificates": [ "string" ]
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

The unique client token.

Type: String

Required: Yes

description

An optional description for the responder gateway.

Type: String

Pattern: `[A-Za-z0-9 ]+`

Required: No

domainName

The domain name for the responder gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?)(?:\.(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?))+`

Required: No

managedEndpointConfiguration

The configuration for the managed endpoint.

Type: ManagedEndpointConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

port

The networking port to use.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

protocol

The networking protocol to use.

Type: String

Valid Values: HTTP | HTTPS

Required: Yes

trustStoreConfiguration

The configuration of the trust store.

Type: TrustStoreConfiguration object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json


{
    "gatewayId": "string",
    "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: rtb-gw-[a-z0-9-]{1,25}

status

The status of the request.

Type: String

Valid Values: `PENDING_CREATION | ACTIVE | PENDING_DELETION | DELETED | ERROR | PENDING_UPDATE | ISOLATED | PENDING_ISOLATION | PENDING_RESTORATION`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

The request could not be completed because you do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request could not be completed because of a conflict in the current state of the resource.

HTTP Status Code: 409

InternalServerException

The request could not be completed because of an internal server error. Try your call again.

HTTP Status Code: 500

ResourceNotFoundException

The request could not be completed because the resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request could not be completed because it fails satisfy the constraints specified by the service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

Data Types

The RTBFabric API contains several data types that various actions use. This section describes each data type in detail.

> ⓘ **Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- Action
- AutoScalingGroupsConfiguration
- EksEndpointsConfiguration
- Filter
- FilterCriterion
- HeaderTagAction
- LinkApplicationLogConfiguration
- LinkApplicationLogSampling
- LinkAttributes
- LinkLogSettings
- ListLinksResponseStructure
- ManagedEndpointConfiguration
- ModuleConfiguration
- ModuleParameters
- NoBidAction
- NoBidModuleParameters
- OpenRtbAttributeModuleParameters
- RateLimiterModuleParameters
- ResponderErrorMaskingForHttpCode
- TrustStoreConfiguration

Action

Describes a bid action.

Contents

> ⚠️ **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

headerTag

Describes the header tag for a bid action.

Type: [HeaderTagAction](#) object

Required: No

noBid

Describes a no bid action.

Type: [NoBidAction](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AutoScalingGroupsConfiguration

Describes the configuration of an auto scaling group.

Contents

autoScalingGroupNames

The names of the auto scaling group.

Type: Array of strings

Required: Yes

roleArn

The role ARN of the auto scaling group.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EksEndpointsConfiguration

Describes the configuration of an Amazon Elastic Kubernetes Service endpoint.

Contents

clusterApiServerCaCertificateChain

The CA certificate chain of the cluster API server.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2097152.

Required: Yes

clusterApiServerEndpointUri

The URI of the cluster API server endpoint.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `(https|http)://(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?)`
`(?:\.(?:[A-Za-z0-9](?:[A-Za-z0-9-]{0,61}[A-Za-z0-9])?))+`

Required: Yes

clusterName

The name of the cluster.

Type: String

Pattern: `[A-Za-z0-9][A-Za-z0-9-]{0,61}[A-Za-z0-9]`

Required: Yes

endpointsResourceName

The name of the endpoint resource.

Type: String

Pattern: `[A-Za-z0-9][A-Za-z0-9-]{0,61}[A-Za-z0-9]`

Required: Yes

endpointsResourceNamespace

The namespace of the endpoint resource.

Type: String

Pattern: `[A-Za-z0-9][A-Za-z0-9-]{0,61}[A-Za-z0-9]`

Required: Yes

roleArn

The role ARN for the cluster.

Type: String

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Filter

Describes the configuration of a filter.

Contents

criteria

Describes the criteria for a filter.

Type: Array of [FilterCriterion](#) objects

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

FilterCriterion

Describes the criteria for a filter.

Contents

path

The path to filter.

Type: String

Required: Yes

values

The value to filter.

Type: Array of strings

Array Members: Minimum number of 1 item.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

HeaderTagAction

Describes the header tag for a bid action.

Contents

name

> The name of the bid action.
>
> Type: String
>
> Required: Yes

value

> The value of the bid action.
>
> Type: String
>
> Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

LinkApplicationLogConfiguration

Describes the configuration of a link application log.

Contents

sampling

Describes a link application log sample.

Type: [LinkApplicationLogSampling](#) object

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

LinkApplicationLogSampling

Describes a link application log sample.

Contents

errorLog

> An error log entry.
>
> Type: Double
>
> Valid Range: Minimum value of 0.0. Maximum value of 100.0.
>
> Required: Yes

filterLog

> A filter log entry.
>
> Type: Double
>
> Valid Range: Minimum value of 0.0. Maximum value of 100.0.
>
> Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

LinkAttributes

Describes the attributes of a link.

Contents

customerProvidedId

The customer-provided unique identifier of the link.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9_-]+`

Required: No

responderErrorMasking

Describes the masking for HTTP error codes.

Type: Array of [ResponderErrorMaskingForHttpCode](#) objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

LinkLogSettings

Describes the settings for a link log.

Contents

applicationLogs

Describes the configuration of a link application log.

Type: [LinkApplicationLogConfiguration](#) object

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ListLinksResponseStructure

Describes a link.

Contents

createdAt

The timestamp of when the link was created.

Type: Timestamp

Required: Yes

gatewayId

The unique identifier of the gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

linkId

The unique identifier of the link.

Type: String

Pattern: `link-[a-z0-9-]{1,25}`

Required: Yes

peerGatewayId

The unique identifier of the peer gateway.

Type: String

Pattern: `rtb-gw-[a-z0-9-]{1,25}`

Required: Yes

status

The status of the link.

Type: String

Valid Values: PENDING_CREATION | PENDING_REQUEST | REQUESTED | ACCEPTED | ACTIVE | REJECTED | FAILED | PENDING_DELETION | DELETED | PENDING_UPDATE | PENDING_ISOLATION | ISOLATED | PENDING_RESTORATION

Required: Yes

updatedAt

The timestamp of when the link was updated.

Type: Timestamp

Required: Yes

attributes

Describes attributes of a link.

Type: LinkAttributes object

Required: No

direction

The direction of the link.

Type: String

Valid Values: RESPONSE | REQUEST

Required: No

flowModules

Describes the configuration of flow modules.

Type: Array of ModuleConfiguration objects

Required: No

pendingFlowModules

Describes the configuration of pending flow modules.

Type: Array of [ModuleConfiguration](#) objects

Required: No

tags

A map of the key-value pairs of the tag or tags to assign to the resource.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(resourceArn|internalId|(?!aws:)[a-zA-Z0-9+\-=._:/@]+)`

Value Length Constraints: Minimum length of 0. Maximum length of 1600.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ManagedEndpointConfiguration

Describes the configuration of a managed endpoint.

Contents

> ⚠️ **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

autoScalingGroups

Describes the configuration of an auto scaling group.

Type: [AutoScalingGroupsConfiguration](#) object

Required: No

eksEndpoints

Describes the configuration of an Amazon Elastic Kubernetes Service endpoint.

Type: [EksEndpointsConfiguration](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ModuleConfiguration

Describes the configuration of a module.

Contents

name

    The name of the module.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 255.

    Pattern: `[A-Za-z0-9 -]+`

    Required: Yes

dependsOn

    The dependencies of the module.

    Type: Array of strings

    Length Constraints: Minimum length of 0. Maximum length of 255.

    Pattern: `[A-Za-z0-9 -]+`

    Required: No

moduleParameters

    Describes the parameters of a module.

    Type: [ModuleParameters](#) object

    Note: This object is a Union. Only one member of this object can be specified or returned.

    Required: No

version

    The version of the module.

    Type: String

Pattern: `[a-z0-9-]{1,25}`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ModuleParameters

Describes the parameters of a module.

Contents

> ⚠️ **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

noBid

Describes the parameters of a no bid module.

Type: [NoBidModuleParameters](#) object

Required: No

openRtbAttribute

Describes the parameters of an open RTB attribute module.

Type: [OpenRtbAttributeModuleParameters](#) object

Required: No

rateLimiter

Describes the parameters of a rate limit.

Type: [RateLimiterModuleParameters](#) object

Required: No

See Also

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

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

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

NoBidAction

Describes a no bid action.

Contents

noBidReasonCode

The reason code for the no bid action.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

NoBidModuleParameters

Describes the parameters of a no bid module.

Contents

passThroughPercentage

The pass through percentage.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

reason

The reason description.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[a-zA-Z0-9]*`

Required: No

reasonCode

The reason code.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

OpenRtbAttributeModuleParameters

Describes the parameters of an open RTB attribute module.

Contents

action

Describes a bid action.

Type: Action object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

filterConfiguration

Describes the configuration of a filter.

Type: Array of Filter objects

Required: Yes

filterType

The filter type.

Type: String

Valid Values: `INCLUDE | EXCLUDE`

Required: Yes

holdbackPercentage

The hold back percentage.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RateLimiterModuleParameters

Describes the parameters of a rate limit.

Contents

tps

> The transactions per second rate limit.
>
> Type: Float
>
> Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ResponderErrorMaskingForHttpCode

Describes the masking for HTTP error codes.

Contents

action

The action for the error..

Type: String

Valid Values: `NO_BID | PASSTHROUGH`

Required: Yes

httpCode

The HTTP error code.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 7.

Pattern: `DEFAULT|4XX|5XX|\d{3}`

Required: Yes

loggingTypes

The error log type.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Valid Values: `NONE | METRIC | RESPONSE`

Required: Yes

responseLoggingPercentage

The percentage of response logging.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

TrustStoreConfiguration

Describes the configuration of a trust store.

Contents

certificateAuthorityCertificates

The certificate authority certificate.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 2 items.

Length Constraints: Minimum length of 1. Maximum length of 2097152.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing AWS API requests in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key/YYYYMMDD/region/service/*aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an AWS API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see AWS services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

UnrecognizedClientException

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

UnknownOperationException

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400