



API Reference

AWS RTB Fabric



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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 April 10, 2026.

Actions

The following actions are supported:

- [AcceptLink](#)
- [CreateInboundExternalLink](#)
- [CreateLink](#)
- [CreateOutboundExternalLink](#)
- [CreateRequesterGateway](#)
- [CreateResponderGateway](#)
- [DeleteInboundExternalLink](#)
- [DeleteLink](#)
- [DeleteOutboundExternalLink](#)
- [DeleteRequesterGateway](#)
- [DeleteResponderGateway](#)
- [GetInboundExternalLink](#)
- [GetLink](#)
- [GetOutboundExternalLink](#)
- [GetRequesterGateway](#)
- [GetResponderGateway](#)
- [ListLinks](#)
- [ListRequesterGateways](#)
- [ListResponderGateways](#)
- [ListTagsForResource](#)
- [RejectLink](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateLink](#)
- [UpdateLinkModuleFlow](#)
- [UpdateRequesterGateway](#)
- [UpdateResponderGateway](#)

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
      }
    }
  },
  "timeoutInMillis": number
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Required: Yes

linkId

The unique identifier of the link.

Length Constraints: Minimum length of 6. Maximum length of 30.

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

timeoutInMillis

The timeout value in milliseconds.

Type: Long

Valid Range: Minimum value of 100. Maximum value of 5000.

Required: No

Response Syntax

HTTP/1.1 200

Content-type: application/json

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

connectivityType

The connectivity type of the link.

Type: String

Valid Values: DEFAULT | PUBLIC_INGRESS | PUBLIC_EGRESS | EXTERNAL_INBOUND

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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

linkId

The unique identifier of the link.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 30.

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

logSettings

Describes the settings for a link log.

Type: [LinkLogSettings](#) object

peerGatewayId

The unique identifier of the peer gateway.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 32.

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 Error Types](#).

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

InternalServerErrorException

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

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

logSettings

Settings for the application logs.

Type: [LinkLogSettings](#) object

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

gatewayId

The unique identifier of the gateway.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 32.

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

linkId

The unique identifier of the link.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 30.

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_RESTITUTION

Errors

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

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

InternalServerError

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](#)

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"
  },
  "timeoutInMillis": number
}
```

URI Request Parameters

The request uses the following URI parameters.

[gatewayId](#)

The unique identifier of the gateway.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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

timeoutInMillis

The timeout value in milliseconds.

Type: Long

Valid Range: Minimum value of 100. Maximum value of 5000.

Required: No

Response Syntax

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

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

```

    }
  ]
},
"connectivityType": "string",
"createdAt": number,
"customerProvidedId": "string",
"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",
"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

connectivityType

The connectivity type of the link.

Type: String

Valid Values: DEFAULT | PUBLIC_INGRESS | PUBLIC_EGRESS | EXTERNAL_INBOUND

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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

linkId

The unique identifier of the link.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 30.

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

logSettings

Describes the settings for a link log.

Type: [LinkLogSettings](#) object

peerGatewayId

The unique identifier of the peer gateway.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 32.

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 Error Types](#).

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

InternalServerErrorException

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](#)

CreateOutboundExternalLink

Creates an outbound external link.

Request Syntax

```
POST /requester-gateway/gatewayId/outbound-external-link HTTP/1.1
```

```
Content-type: application/json
```

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

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

logSettings

Settings for the application logs.

Type: [LinkLogSettings](#) object

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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

linkId

The unique identifier of the link.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 30.

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_RESTITUTION

Errors

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

AccessDeniedException

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

HTTP Status Code: 403

InternalServerErrorException

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](#)

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

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

Pattern: (`([\p{L}\p{Z}\p{N}_ . :/=+\-@]*)`)

Required: No

securityGroupIds

The unique identifiers of the security groups.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 11. Maximum length of 43.

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.

Length Constraints: Minimum length of 15. Maximum length of 24.

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

vpclId

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

Type: String

Length Constraints: Minimum length of 12. Maximum length of 21.

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

gatewayId

The unique identifier of the gateway.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 32.

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 Error Types](#).

AccessDeniedException

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

HTTP Status Code: 403

InternalServerErrorException

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](#)

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",
  "gatewayType": "string",
  "listenerConfig": {
    "protocols": [ "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

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

Pattern: (`([\p{L}\p{Z}\p{N}_ . : / = + \ - @]*)`)

Required: No

domainName

The domain name for the responder gateway.

Type: String

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

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

Required: No

gatewayType

The type of gateway. Valid values are EXTERNAL or INTERNAL.

Type: String

Valid Values: EXTERNAL | INTERNAL

Required: No

listenerConfig

Listener configuration for the protocols (HTTP, HTTPS, or both) accepted by the gateway.

Type: [ListenerConfig](#) object

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.

Length Constraints: Minimum length of 11. Maximum length of 43.

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.

Length Constraints: Minimum length of 15. Maximum length of 24.

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

vpclId

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

Type: String

Length Constraints: Minimum length of 12. Maximum length of 21.

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

Required: Yes

Response Syntax

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

{
  "externalInboundEndpoint": "string",
  "gatewayId": "string",
  "listenerConfig": {
    "protocols": [ "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.

[externalInboundEndpoint](#)

The external inbound endpoint for the responder gateway.

Type: String

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

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

[gatewayId](#)

The unique identifier of the gateway.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 32.

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

listenerConfig

The listener configuration for the responder gateway.

Type: [ListenerConfig](#) object

status

The status of the request.

Type: String

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

Errors

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

AccessDeniedException

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

HTTP Status Code: 403

InternalServerError

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Required: Yes

LinkId

The unique identifier of the link.

Length Constraints: Minimum length of 6. Maximum length of 30.

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

Length Constraints: Minimum length of 6. Maximum length of 30.

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 Error Types](#).

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

InternalServerErrorException

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Required: Yes

LinkId

The unique identifier of the link.

Length Constraints: Minimum length of 6. Maximum length of 30.

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

Length Constraints: Minimum length of 6. Maximum length of 30.

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_RESTITUTION

Errors

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

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

InternalServerErrorException

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Required: Yes

[linkId](#)

The unique identifier of the link.

Length Constraints: Minimum length of 6. Maximum length of 30.

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

Length Constraints: Minimum length of 6. Maximum length of 30.

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 Error Types](#).

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

InternalServerErrorException

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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 Error Types](#).

AccessDeniedException

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

HTTP Status Code: 403

InternalServerErrorException

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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 Error Types](#).

AccessDeniedException

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

HTTP Status Code: 403

InternalServerError

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Required: Yes

LinkId

The unique identifier of the link.

Length Constraints: Minimum length of 6. Maximum length of 30.

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
  }
],
"connectivityType": "string",
"createdAt": number,
"domainName": "string",
"flowModules": [
  {
    "dependsOn": [ "string" ],
    "moduleParameters": { ... },
    "name": "string",
    "version": "string"
  }
],
"gatewayId": "string",
"linkId": "string",
"logSettings": {
  "applicationLogs": {
    "sampling": {
      "errorLog": number,
      "filterLog": number
    }
  }
},
"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

connectivityType

The connectivity type of the link.

Type: String

Valid Values: DEFAULT | PUBLIC_INGRESS | PUBLIC_EGRESS | EXTERNAL_INBOUND

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-z0-9](?:[a-z0-9-]{0,61}[a-z0-9])?)(?:\.(?:[a-z0-9](?:[a-z0-9-]{0,61}[a-z0-9])?)?)`

flowModules

The configuration of flow modules.

Type: Array of [ModuleConfiguration](#) objects

gatewayId

The unique identifier of the gateway.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 32.

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

linkId

The unique identifier of the link.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 30.

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

logSettings

Settings for the application logs.

Type: [LinkLogSettings](#) object

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 Error Types](#).

AccessDeniedException

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

HTTP Status Code: 403

InternalServerError

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Required: Yes

linkId

The unique identifier of the link.

Length Constraints: Minimum length of 6. Maximum length of 30.

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
      }
    ]
  },
  "connectivityType": "string",
  "createdAt": number,
  "direction": "string",
  "flowModules": [
    {
      "dependsOn": [ "string" ],
      "moduleParameters": { ... },
      "name": "string",
      "version": "string"
    }
  ],
  "gatewayId": "string",
  "httpResponderAllowed": boolean,
  "linkId": "string",
  "logSettings": {
    "applicationLogs": {
      "sampling": {
        "errorLog": number,
        "filterLog": number
      }
    }
  },
  "peerGatewayId": "string",
  "pendingFlowModules": [
    {
      "dependsOn": [ "string" ],
      "moduleParameters": { ... },
      "name": "string",
      "version": "string"
    }
  ],
  "status": "string",
```

```
"tags": {  
  "string" : "string"  
},  
"timeoutInMillis": number,  
"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

connectivityType

The connectivity type of the link.

Type: String

Valid Values: DEFAULT | PUBLIC_INGRESS | PUBLIC_EGRESS | EXTERNAL_INBOUND

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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

httpResponderAllowed

Boolean to specify if an HTTP responder is allowed.

Type: Boolean

linkId

The unique identifier of the link.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 30.

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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.

timeoutInMillis

The timeout value in milliseconds.

Type: Long

Valid Range: Minimum value of 100. Maximum value of 5000.

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 Error Types](#).

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

InternalServerErrorException

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Required: Yes

linkId

The unique identifier of the link.

Length Constraints: Minimum length of 6. Maximum length of 30.

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",
    "statusCode": "string",
    "loggingTypes": [ "string" ],
    "responseLoggingPercentage": number
  }
],
"connectivityType": "string",
"createdAt": number,
"flowModules": [
  {
    "dependsOn": [ "string" ],
    "moduleParameters": { ... },
    "name": "string",
    "version": "string"
  }
],
"gatewayId": "string",
"linkId": "string",
"logSettings": {
  "applicationLogs": {
    "sampling": {
      "errorLog": number,
      "filterLog": number
    }
  }
},
"pendingFlowModules": [
  {
    "dependsOn": [ "string" ],
    "moduleParameters": { ... },
    "name": "string",
    "version": "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.

attributes

Describes the attributes of a link.

Type: [LinkAttributes](#) object

connectivityType

The connectivity type of the link.

Type: String

Valid Values: DEFAULT | PUBLIC_INGRESS | PUBLIC_EGRESS | EXTERNAL_INBOUND

createdAt

The timestamp of when the outbound external link was created.

Type: Timestamp

flowModules

The configuration of flow modules.

Type: Array of [ModuleConfiguration](#) objects

gatewayId

The unique identifier of the gateway.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 32.

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

linkId

The unique identifier of the link.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 30.

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

logSettings

Settings for the application logs.

Type: [LinkLogSettings](#) object

pendingFlowModules

The configuration of pending flow modules.

Type: Array of [ModuleConfiguration](#) objects

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_RESTITUTION

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 Error Types](#).

AccessDeniedException

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

HTTP Status Code: 403

InternalServerError

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

gatewayId

The unique identifier of the gateway.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 32.

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.

Length Constraints: Minimum length of 11. Maximum length of 43.

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.

Length Constraints: Minimum length of 15. Maximum length of 24.

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

Length Constraints: Minimum length of 12. Maximum length of 21.

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

Errors

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

AccessDeniedException

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

HTTP Status Code: 403

InternalServerErrorException

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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",
  "externalInboundEndpoint": "string",
  "gatewayId": "string",
  "gatewayType": "string",
  "inboundLinksCount": number,
```

```
"listenerConfig": {
  "protocols": [ "string" ]
},
"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-z0-9](?:[a-z0-9-]{0,61}[a-z0-9])?)(?:\.(?:[a-z0-9](?:[a-z0-9-]{0,61}[a-z0-9])?)+`

externalInboundEndpoint

The external inbound endpoint for the responder gateway.

Type: String

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

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

gatewayId

The unique identifier of the gateway.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 32.

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

gatewayType

The type of gateway. Valid values are EXTERNAL or INTERNAL.

Type: String

Valid Values: EXTERNAL | INTERNAL

inboundLinksCount

The count of inbound links for the responder gateway.

Type: Integer

listenerConfig

The listener configuration for the responder gateway.

Type: [ListenerConfig](#) object

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.

Length Constraints: Minimum length of 11. Maximum length of 43.

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_RESTITUTION

subnetIds

The unique identifiers of the subnets.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 15. Maximum length of 24.

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

Length Constraints: Minimum length of 12. Maximum length of 21.

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

Errors

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

AccessDeniedException

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

HTTP Status Code: 403

InternalServerErrorException

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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
          }
        ]
      },
      "connectivityType": "string",
      "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"
    }
],
"publicEndpoint": "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 Error Types](#).

AccessDeniedException

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

HTTP Status Code: 403

InternalServerErrorException

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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 Error Types](#).

InternalServerErrorException

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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 Error Types](#).

InternalServerErrorException

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-]+(/routing-rule/[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 Error Types](#).

AccessDeniedException

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

HTTP Status Code: 403

InternalServerError

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Required: Yes

linkId

The unique identifier of the link.

Length Constraints: Minimum length of 6. Maximum length of 30.

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",
        "statusCode": "string",
        "loggingTypes": [ "string ],
        "responseLoggingPercentage": number
      }
    ]
  },
  "connectivityType": "string",
  "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",

```

```
"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

[connectivityType](#)

The connectivity type of the link.

Type: String

Valid Values: DEFAULT | PUBLIC_INGRESS | PUBLIC_EGRESS | EXTERNAL_INBOUND

[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

Length Constraints: Minimum length of 8. Maximum length of 32.

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

linkId

The unique identifier of the link.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 30.

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

logSettings

Describes the settings for a link log.

Type: [LinkLogSettings](#) object

peerGatewayId

The unique identifier of the peer gateway.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 32.

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_RESTITUTION`

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 Error Types](#).

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

InternalServerErrorException

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-]+(/routing-rule/[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 Error Types](#).

AccessDeniedException

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

HTTP Status Code: 403

InternalServerErrorException

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-]+(/routing-rule/[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 Error Types](#).

AccessDeniedException

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

HTTP Status Code: 403

InternalServerError

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
      }
    }
  },
  "timeoutInMillis": number
}
```

URI Request Parameters

The request uses the following URI parameters.

gatewayId

The unique identifier of the gateway.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Required: Yes

linkId

The unique identifier of the link.

Length Constraints: Minimum length of 6. Maximum length of 30.

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

timeoutInMillis

The timeout value in milliseconds.

Type: Long

Valid Range: Minimum value of 100. Maximum value of 5000.

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

Length Constraints: Minimum length of 6. Maximum length of 30.

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_RESTITUTION

Errors

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

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

InternalServerErrorException

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Required: Yes

linkId

The unique identifier of the link.

Length Constraints: Minimum length of 6. Maximum length of 30.

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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

linkId

The unique identifier of the link.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 30.

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 Error Types](#).

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

InternalServerErrorException

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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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_RESTITUTION

Errors

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

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

InternalServerError

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",
  "listenerConfig": {
    "protocols": [ "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.

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Required: No

listenerConfig

The listener configuration for the responder gateway.

Type: [ListenerConfig](#) object

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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 Error Types](#).

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

InternalServerErrorException

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](#)
- [ListenerConfig](#)
- [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

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

Required: Yes

roleArn

The role ARN of the auto scaling group.

Type: String

Pattern: `arn:aws:iam::[0-9]{12}:role/.{1,2048}`

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

Length Constraints: Minimum length of 2. Maximum length of 63.

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

Length Constraints: Minimum length of 2. Maximum length of 63.

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

Length Constraints: Minimum length of 2. Maximum length of 63.

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

Pattern: `arn:aws:iam:[0-9]{12}:role/.{1,2048}`

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](#)

ListenerConfig

Listener configuration for the protocols (HTTP, HTTPS, or both) accepted by the gateway.

Contents

protocols

The protocol for connections from clients to the gateway

Type: Array of strings

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

Valid Values: HTTP | HTTPS

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

Length Constraints: Minimum length of 8. Maximum length of 32.

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

Required: Yes

linkId

The unique identifier of the link.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 30.

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

Required: Yes

peerGatewayId

The unique identifier of the peer gateway.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 32.

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_RESTITUTION

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

connectivityType

The connectivity type of the link.

Type: String

Valid Values: DEFAULT | PUBLIC_INGRESS | PUBLIC_EGRESS | EXTERNAL_INBOUND

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

logSettings

Describes the settings for a link log.

Type: [LinkLogSettings](#) object

Required: No

pendingFlowModules

Describes the configuration of pending flow modules.

Type: Array of [ModuleConfiguration](#) objects

Required: No

publicEndpoint

The public endpoint of the outbound link.

Type: String

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

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

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

Length Constraints: Minimum length of 1. Maximum length of 25.

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 Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400