



API Reference

AWS Migration Hub Refactor Spaces



Version latest

Copyright © 2025 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

AWS Migration Hub Refactor Spaces: API Reference

Copyright © 2025 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

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

Table of Contents

Welcome	1
Actions	2
CreateApplication	3
Request Syntax	3
URI Request Parameters	4
Request Body	4
Response Syntax	6
Response Elements	6
Errors	9
See Also	11
CreateEnvironment	12
Request Syntax	12
URI Request Parameters	12
Request Body	13
Response Syntax	14
Response Elements	14
Errors	17
See Also	18
CreateRoute	20
Request Syntax	22
URI Request Parameters	22
Request Body	23
Response Syntax	24
Response Elements	25
Errors	28
See Also	30
CreateService	31
Request Syntax	31
URI Request Parameters	32
Request Body	32
Response Syntax	34
Response Elements	35
Errors	38
See Also	40

DeleteApplication	42
Request Syntax	42
URI Request Parameters	42
Request Body	43
Response Syntax	43
Response Elements	43
Errors	44
See Also	46
DeleteEnvironment	47
Request Syntax	47
URI Request Parameters	47
Request Body	47
Response Syntax	47
Response Elements	48
Errors	49
See Also	50
DeleteResourcePolicy	52
Request Syntax	52
URI Request Parameters	52
Request Body	52
Response Syntax	52
Response Elements	53
Errors	53
See Also	54
DeleteRoute	55
Request Syntax	55
URI Request Parameters	55
Request Body	56
Response Syntax	56
Response Elements	56
Errors	57
See Also	59
DeleteService	60
Request Syntax	60
URI Request Parameters	60
Request Body	61

Response Syntax	61
Response Elements	61
Errors	63
See Also	64
GetApplication	66
Request Syntax	66
URI Request Parameters	66
Request Body	66
Response Syntax	67
Response Elements	68
Errors	70
See Also	72
GetEnvironment	73
Request Syntax	73
URI Request Parameters	73
Request Body	73
Response Syntax	73
Response Elements	74
Errors	77
See Also	78
GetResourcePolicy	79
Request Syntax	79
URI Request Parameters	79
Request Body	79
Response Syntax	79
Response Elements	80
Errors	80
See Also	81
GetRoute	83
Request Syntax	83
URI Request Parameters	83
Request Body	84
Response Syntax	84
Response Elements	85
Errors	89
See Also	90

GetService	91
Request Syntax	91
URI Request Parameters	91
Request Body	92
Response Syntax	92
Response Elements	93
Errors	96
See Also	97
ListApplications	99
Request Syntax	99
URI Request Parameters	99
Request Body	100
Response Syntax	100
Response Elements	101
Errors	101
See Also	103
ListEnvironments	105
Request Syntax	105
URI Request Parameters	105
Request Body	105
Response Syntax	106
Response Elements	106
Errors	107
See Also	108
ListEnvironmentVpcs	110
Request Syntax	110
URI Request Parameters	110
Request Body	111
Response Syntax	111
Response Elements	111
Errors	112
See Also	113
ListRoutes	114
Request Syntax	114
URI Request Parameters	114
Request Body	115

Response Syntax	115
Response Elements	116
Errors	117
See Also	118
ListServices	120
Request Syntax	120
URI Request Parameters	120
Request Body	121
Response Syntax	121
Response Elements	122
Errors	123
See Also	124
ListTagsForResource	126
Request Syntax	126
URI Request Parameters	126
Request Body	126
Response Syntax	126
Response Elements	127
Errors	127
See Also	128
PutResourcePolicy	129
Request Syntax	129
URI Request Parameters	129
Request Body	129
Response Syntax	130
Response Elements	130
Errors	130
See Also	131
TagResource	133
Request Syntax	133
URI Request Parameters	133
Request Body	134
Response Syntax	134
Response Elements	134
Errors	134
See Also	135

UntagResource	136
Request Syntax	136
URI Request Parameters	136
Request Body	136
Response Syntax	136
Response Elements	137
Errors	137
See Also	137
UpdateRoute	139
Request Syntax	139
URI Request Parameters	139
Request Body	140
Response Syntax	140
Response Elements	141
Errors	142
See Also	143
Data Types	145
ApiGatewayProxyConfig	146
Contents	146
See Also	148
ApiGatewayProxyInput	149
Contents	149
See Also	149
ApiGatewayProxySummary	151
Contents	151
See Also	153
ApplicationSummary	154
Contents	154
See Also	157
DefaultRouteInput	158
Contents	158
See Also	158
EnvironmentSummary	159
Contents	159
See Also	162
EnvironmentVpc	163

Contents	163
See Also	164
ErrorResponse	166
Contents	166
See Also	167
LambdaEndpointConfig	169
Contents	169
See Also	169
LambdaEndpointInput	170
Contents	170
See Also	170
LambdaEndpointSummary	171
Contents	171
See Also	171
RouteSummary	172
Contents	172
See Also	176
ServiceSummary	177
Contents	177
See Also	181
UriPathRouteInput	182
Contents	182
See Also	183
UrlEndpointConfig	184
Contents	184
See Also	184
UrlEndpointInput	185
Contents	185
See Also	185
UrlEndpointSummary	187
Contents	187
See Also	187
Common Parameters	189
Common Errors	192

Welcome

This API reference provides descriptions, syntax, and other details about each of the actions and data types for AWS Migration Hub Refactor Spaces (Refactor Spaces). The topic for each action shows the API request parameters and the response. Alternatively, you can use one of the AWS SDKs to access an API that is tailored to the programming language or platform that you're using. For more information, see [AWS SDKs](#).

To share Refactor Spaces environments with other AWS accounts or with AWS Organizations and their OUs, use AWS Resource Access Manager's `CreateResourceShare` API. See [CreateResourceShare](#) in the *AWS RAM API Reference*.

This document was last published on November 4, 2025.

Actions

The following actions are supported:

- [CreateApplication](#)
- [CreateEnvironment](#)
- [CreateRoute](#)
- [CreateService](#)
- [DeleteApplication](#)
- [DeleteEnvironment](#)
- [DeleteResourcePolicy](#)
- [DeleteRoute](#)
- [DeleteService](#)
- [GetApplication](#)
- [GetEnvironment](#)
- [GetResourcePolicy](#)
- [GetRoute](#)
- [GetService](#)
- [ListApplications](#)
- [ListEnvironments](#)
- [ListEnvironmentVpcs](#)
- [ListRoutes](#)
- [ListServices](#)
- [ListTagsForResource](#)
- [PutResourcePolicy](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateRoute](#)

CreateApplication

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Creates an AWS Migration Hub Refactor Spaces application. The account that owns the environment also owns the applications created inside the environment, regardless of the account that creates the application. Refactor Spaces provisions an Amazon API Gateway, API Gateway VPC link, and Network Load Balancer for the application proxy inside your account.

In environments created with a [CreateEnvironment:NetworkFabricType](#) of NONE you need to configure [VPC to VPC connectivity](#) between your service VPC and the application proxy VPC to route traffic through the application proxy to a service with a private URL endpoint. For more information, see [Create an application](#) in the *Refactor Spaces User Guide*.

Request Syntax

```
POST /environments/EnvironmentIdentifier/applications HTTP/1.1
```

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

```
{
  "ApiGatewayProxy": {
    "EndpointType": "string",
    "StageName": "string"
  },
  "ClientToken": "string",
  "Name": "string",
  "ProxyType": "string",
  "Tags": {
    "string" : "string"
  },
  "VpcId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

EnvironmentIdentifier

The unique identifier of the environment.

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ApiGatewayProxy

A wrapper object holding the API Gateway endpoint type and stage name for the proxy.

Type: [ApiGatewayProxyInput](#) object

Required: No

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[\x20-\x7E]{1,64}`

Required: No

Name

The name to use for the application.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `(?!app-)[a-zA-Z0-9]+[a-zA-Z0-9-_ ]+`

Required: Yes

ProxyType

The proxy type of the proxy created within the application.

Type: String

Valid Values: `API_GATEWAY`

Required: Yes

Tags

The tags to assign to the application. A tag is a label that you assign to an AWS resource. Each tag consists of a key-value pair.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `(?!aws:).+.*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

VpcId

The ID of the virtual private cloud (VPC).

Type: String

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

Pattern: `vpc-[a-f0-9]{8}([a-f0-9]{9})?`

Required: Yes

Response Syntax

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

{
  "ApiGatewayProxy": {
    "EndpointType": "string",
    "StageName": "string"
  },
  "ApplicationId": "string",
  "Arn": "string",
  "CreatedByAccountId": "string",
  "CreatedTime": number,
  "EnvironmentId": "string",
  "LastUpdatedTime": number,
  "Name": "string",
  "OwnerAccountId": "string",
  "ProxyType": "string",
  "State": "string",
  "Tags": {
    "string" : "string"
  },
  "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.

ApiGatewayProxy

A wrapper object holding the API Gateway endpoint type and stage name for the proxy.

Type: [ApiGatewayProxyInput](#) object

ApplicationId

The unique identifier of the application.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `app-[0-9A-Za-z]{10}`

Arn

The Amazon Resource Name (ARN) of the application. The format for this ARN is `arn:aws:refactor-spaces:region:account-id:resource-type/resource-id` . For more information about ARNs, see [Amazon Resource Names \(ARNs\)](#) in the *AWS General Reference*.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\+]+\w{12}:[a-zA-Z_0-9+=,.\@\_/\+]`

CreatedByAccountId

The AWS account ID of application creator.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

CreatedTime

A timestamp that indicates when the application is created.

Type: Timestamp

EnvironmentId

The ID of the environment in which the application is created.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

LastUpdatedTime

A timestamp that indicates when the application was last updated.

Type: Timestamp

Name

The name of the application.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: (?!app-)[a-zA-Z0-9]+[a-zA-Z0-9-_]+

OwnerAccountId

The AWS account ID of the application owner (which is always the same as the environment owner account ID).

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d{12}

ProxyType

The proxy type of the proxy created within the application.

Type: String

Valid Values: API_GATEWAY

State

The current state of the application.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED | UPDATING

Tags

The tags assigned to the application. A tag is a label that you assign to an AWS resource. Each tag consists of a key-value pair.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:).+.*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

VpcId

The ID of the Amazon VPC.

Type: String

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

Pattern: vpc-[a-f0-9]{8}([a-f0-9]{9})?

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 409

InternalServerError

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 402

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

CreateEnvironment

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Creates an AWS Migration Hub Refactor Spaces environment. The caller owns the environment resource, and all Refactor Spaces applications, services, and routes created within the environment. They are referred to as the *environment owner*. The environment owner has cross-account visibility and control of Refactor Spaces resources that are added to the environment by other accounts that the environment is shared with.

When creating an environment with a [CreateEnvironment:NetworkFabricType](#) of TRANSIT_GATEWAY, Refactor Spaces provisions a transit gateway to enable services in VPCs to communicate directly across accounts. If [CreateEnvironment:NetworkFabricType](#) is NONE, Refactor Spaces does not create a transit gateway and you must use your network infrastructure to route traffic to services with private URL endpoints.

Request Syntax

```
POST /environments HTTP/1.1
Content-type: application/json

{
  "ClientToken": "string",
  "Description": "string",
  "Name": "string",
  "NetworkFabricType": "string",
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[\x20-\x7E]{1,64}`

Required: No

Description

The description of the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9-_\s\.\!\\*\#\@\'\"]+`

Required: No

Name

The name of the environment.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `(?!env-)[a-zA-Z0-9]+[a-zA-Z0-9-_ ]+`

Required: Yes

NetworkFabricType

The network fabric type of the environment.

Type: String

Valid Values: TRANSIT_GATEWAY | NONE

Required: Yes

Tags

The tags to assign to the environment. A tag is a label that you assign to an AWS resource. Each tag consists of a key-value pair.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:).+.*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

Response Syntax

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

```
{
  "Arn": "string",
  "CreatedTime": number,
  "Description": "string",
  "EnvironmentId": "string",
  "LastUpdatedTime": number,
  "Name": "string",
  "NetworkFabricType": "string",
  "OwnerAccountId": "string",
  "State": "string",
  "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.

Arn

The Amazon Resource Name (ARN) of the environment.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\_]+\w{12}:[a-zA-Z0-9+=,.\@\_/-_/]+`

CreatedTime

A timestamp that indicates when the environment is created.

Type: Timestamp

Description

A description of the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9-\_s\.\!*\#\@\' ]+`

EnvironmentId

The unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

LastUpdatedTime

A timestamp that indicates when the environment was last updated.

Type: Timestamp

Name

The name of the environment.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `(?!env-)[a-zA-Z0-9]+[a-zA-Z0-9-_ ]+`

NetworkFabricType

The network fabric type of the environment.

Type: String

Valid Values: TRANSIT_GATEWAY | NONE

OwnerAccountId

The AWS account ID of environment owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

State

The current state of the environment.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED

Tags

The tags assigned to the created environment. A tag is a label that you assign to an AWS resource. Each tag consists of a key-value pair..

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `(?!aws:)\.+\.`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 402

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

CreateRoute

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Creates an AWS Migration Hub Refactor Spaces route. The account owner of the service resource is always the environment owner, regardless of which account creates the route. Routes target a service in the application. If an application does not have any routes, then the first route must be created as a `DEFAULT` `RouteType`.

When created, the default route defaults to an active state. Therefore, state is not a required input. However, like all other state values, the state of the default route can be updated after creation, but only when all other routes are also inactive. Conversely, no route can be active without the default route also being active.

Refactor Spaces supports routes with [path parameters](#). Path parameters are contained in curly braces. For example: `/users/{id}`, where `{id}` represents the parameter that is forwarded to the service. When using path parameters with Lambda services, the path parameters are parsed by API Gateway and are added to the Lambda [event object](#).

When you create a route, Refactor Spaces configures the Amazon API Gateway to send traffic to the target service as follows:

- **URL Endpoints**

If the service has a URL endpoint, and the endpoint resolves to a private IP address, Refactor Spaces routes traffic using the API Gateway VPC link. If a service endpoint resolves to a public IP address, Refactor Spaces routes traffic over the public internet. Services can have HTTP or HTTPS URL endpoints. For HTTPS URLs, publicly-signed certificates are supported. Private Certificate Authorities (CAs) are permitted only if the CA's domain is also publicly resolvable.

Refactor Spaces automatically resolves the public Domain Name System (DNS) names that are set in `CreateService:UrlEndpoint` when you create a service. The DNS names resolve when the DNS time-to-live (TTL) expires, or every 60 seconds for TTLs less than 60 seconds. This periodic DNS resolution ensures that the route configuration remains up-to-date.

When using path parameters for URL endpoints, you must set `AppendSourcePath` to `TRUE` for Refactor Spaces to append the source path to the destination service URL endpoint. For example, given a service endpoint URL of `http://pets-svc/petclinic/api` and a route source path of `/pets/{id}`, Refactor Spaces appends the source path to the service endpoint URL. The path routed to the service will be `http://pets-svc/petclinic/api/pets/{id}`. For URL endpoints, your service must parse the parameters.

- **One-time health check**

A one-time health check is performed on the service when either the route is updated from inactive to active, or when it is created with an active state. If the health check fails, the route transitions the route state to `FAILED`, an error code of `SERVICE_ENDPOINT_HEALTH_CHECK_FAILURE` is provided, and no traffic is sent to the service.

For private URLs, a target group is created on the Network Load Balancer and the load balancer target group runs default target health checks. By default, the health check is run against the service endpoint URL. Optionally, the health check can be performed against a different protocol, port, and/or path using the [CreateService:UrlEndpoint](#) parameter. All other health check settings for the load balancer use the default values described in the [Health checks for your target groups](#) in the *Elastic Load Balancing guide*. The health check is considered successful if at least one target within the target group transitions to a healthy state.

- **AWS Lambda function endpoints**

If the service has an AWS Lambda function endpoint, then Refactor Spaces configures the Lambda function's resource policy to allow the application's API Gateway to invoke the function.

The Lambda function state is checked. If the function is not active, the function configuration is updated so that Lambda resources are provisioned. If the Lambda state is `Failed`, then the route creation fails. For more information, see the [GetFunctionConfiguration's State response parameter](#) in the *AWS Lambda Developer Guide*.

A check is performed to determine that a AWS Lambda function with the specified ARN exists. If it does not exist, the health check fails. For public URLs, a connection is opened to the public endpoint. If the URL is not reachable, the health check fails.

When using path parameters with AWS Lambda function endpoints, the path parameters are parsed by API Gateway and are added to the Lambda event object.

Environments without a network bridge

When you create environments without a network bridge ([CreateEnvironment:NetworkFabricType](#) is `NONE`) and you use your own networking infrastructure, you need to configure [VPC to VPC connectivity](#) between your network and the application proxy VPC. Route creation from the application proxy to service endpoints will fail if your network is not configured to connect to the application proxy VPC. For more information, see [Create a route](#) in the *Refactor Spaces User Guide*.

Request Syntax

```
POST /environments/EnvironmentIdentifier/applications/ApplicationIdentifier/routes
HTTP/1.1
Content-type: application/json
```

```
{
  "ClientToken": "string",
  "DefaultRoute": {
    "ActivationState": "string"
  },
  "RouteType": "string",
  "ServiceIdentifier": "string",
  "Tags": {
    "string" : "string"
  },
  "UriPathRoute": {
    "ActivationState": "string",
    "AppendSourcePath": boolean,
    "IncludeChildPaths": boolean,
    "Methods": [ "string" ],
    "SourcePath": "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

[ApplicationIdentifier](#)

The ID of the application within which the route is being created.

Length Constraints: Fixed length of 14.

Pattern: `app-[0-9A-Za-z]{10}`

Required: Yes

EnvironmentIdentifier

The ID of the environment in which the route is created.

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[\x20-\x7E]{1,64}`

Required: No

DefaultRoute

Configuration for the default route type.

Type: [DefaultRouteInput](#) object

Required: No

RouteType

The route type of the route. `DEFAULT` indicates that all traffic that does not match another route is forwarded to the default route. Applications must have a default route before any other routes can be created. `URI_PATH` indicates a route that is based on a URI path.

Type: String

Valid Values: DEFAULT | URI_PATH

Required: Yes

ServiceIdentifier

The ID of the service in which the route is created. Traffic that matches this route is forwarded to this service.

Type: String

Length Constraints: Fixed length of 14.

Pattern: svc-[0-9A-Za-z]{10}

Required: Yes

Tags

The tags to assign to the route. A tag is a label that you assign to an AWS resource. Each tag consists of a key-value pair..

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:)\.+\.

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

UriPathRoute

The configuration for the URI path route type.

Type: [UriPathRouteInput](#) object

Required: No

Response Syntax

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

```
{
  "ApplicationId": "string",
  "Arn": "string",
  "CreatedByAccountId": "string",
  "CreatedTime": number,
  "LastUpdatedTime": number,
  "OwnerAccountId": "string",
  "RouteId": "string",
  "RouteType": "string",
  "ServiceId": "string",
  "State": "string",
  "Tags": {
    "string" : "string"
  },
  "UriPathRoute": {
    "ActivationState": "string",
    "AppendSourcePath": boolean,
    "IncludeChildPaths": boolean,
    "Methods": [ "string" ],
    "SourcePath": "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.

ApplicationId

The ID of the application in which the route is created.

Type: String

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Arn

The Amazon Resource Name (ARN) of the route. The format for this ARN is

arn:aws:refactor-spaces:region:account-id:resource-type/resource-id .

For more information about ARNs, see [Amazon Resource Names \(ARNs\)](#) in the *AWS General Reference*.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\_]+:\w{12}:[a-zA-Z0-9+=,.\@\_/-]`

CreatedByAccountId

The AWS account ID of the route creator.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

CreatedTime

A timestamp that indicates when the route is created.

Type: Timestamp

LastUpdatedTime

A timestamp that indicates when the route was last updated.

Type: Timestamp

OwnerAccountId

The AWS account ID of the route owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

RouteId

The unique identifier of the route.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `rte-[0-9A-Za-z]{10}`

RouteType

The route type of the route.

Type: String

Valid Values: `DEFAULT` | `URI_PATH`

ServiceId

The ID of service in which the route is created. Traffic that matches this route is forwarded to this service.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `svc-[0-9A-Za-z]{10}`

State

The current state of the route. Activation state only allows `ACTIVE` or `INACTIVE` as user inputs. `FAILED` is a route state that is system generated.

Type: String

Valid Values: `CREATING` | `ACTIVE` | `DELETING` | `FAILED` | `UPDATING` | `INACTIVE`

Tags

The tags assigned to the created route. A tag is a label that you assign to an AWS resource. Each tag consists of a key-value pair.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `(?!aws:).+.*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

UriPathRoute

Configuration for the URI path route type.

Type: [UriPathRouteInput](#) object

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 409

InternalServerError

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 402

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

CreateService

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Creates an AWS Migration Hub Refactor Spaces service. The account owner of the service is always the environment owner, regardless of which account in the environment creates the service. Services have either a URL endpoint in a virtual private cloud (VPC), or a Lambda function endpoint.

Important

If an AWS resource is launched in a service VPC, and you want it to be accessible to all of an environment's services with VPCs and routes, apply the `RefactorSpacesSecurityGroup` to the resource. Alternatively, to add more cross-account constraints, apply your own security group.

Request Syntax

```
POST /environments/EnvironmentIdentifier/applications/ApplicationIdentifier/services
HTTP/1.1
```

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

```
{
  "ClientToken": "string",
  "Description": "string",
  "EndpointType": "string",
  "LambdaEndpoint": {
    "Arn": "string"
  },
  "Name": "string",
  "Tags": {
    "string" : "string"
  },
}
```

```
"UrlEndpoint": {  
  "HealthUrl": "string",  
  "Url": "string"  
},  
"VpcId": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

ApplicationIdentifier

The ID of the application which the service is created.

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Required: Yes

EnvironmentIdentifier

The ID of the environment in which the service is created.

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: Yes

Request Body

The request accepts the following data in JSON format.

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[\\x20-\\x7E]{1,64}`

Required: No

Description

The description of the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9-._\\s\\.!\\*\\#\\@\\' ]+`

Required: No

EndpointType

The type of endpoint to use for the service. The type can be a URL in a VPC or an AWS Lambda function.

Type: String

Valid Values: LAMBDA | URL

Required: Yes

LambdaEndpoint

The configuration for the Lambda endpoint type.

Type: [LambdaEndpointInput](#) object

Required: No

Name

The name of the service.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `(?!svc-)[a-zA-Z0-9]+[a-zA-Z0-9-_ ]+`

Required: Yes

Tags

The tags to assign to the service. A tag is a label that you assign to an AWS resource. Each tag consists of a key-value pair..

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:).+.*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

UrlEndpoint

The configuration for the URL endpoint type. When creating a route to a service, Refactor Spaces automatically resolves the address in the `UrlEndpointInput` object URL when the Domain Name System (DNS) time-to-live (TTL) expires, or every 60 seconds for TTLs less than 60 seconds.

Type: [UrlEndpointInput](#) object

Required: No

VpcId

The ID of the VPC.

Type: String

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

Pattern: vpc-[a-f0-9]{8}([a-f0-9]{9})?

Required: No

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "ApplicationId": "string",
  "Arn": "string",
  "CreatedByAccountId": "string",
  "CreatedTime": number,
  "Description": "string",
  "EndpointType": "string",
  "EnvironmentId": "string",
  "LambdaEndpoint": {
    "Arn": "string"
  },
  "LastUpdatedTime": number,
  "Name": "string",
  "OwnerAccountId": "string",
  "ServiceId": "string",
  "State": "string",
  "Tags": {
    "string" : "string"
  },
  "UrlEndpoint": {
    "HealthUrl": "string",
    "Url": "string"
  },
  "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.

ApplicationId

The ID of the application that the created service belongs to.

Type: String

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Arn

The Amazon Resource Name (ARN) of the service.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\_]+:\w{12}: [a-zA-Z0-9+=, .@\-\_/\_]+`

CreatedByAccountId

The AWS account ID of the service creator.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

CreatedTime

A timestamp that indicates when the service is created.

Type: Timestamp

Description

The description of the created service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9-\_\\s\\.\\!\\*\\#\\@\\' ]+`

EndpointType

The endpoint type of the service.

Type: String

Valid Values: LAMBDA | URL

EnvironmentId

The unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

LambdaEndpoint

The configuration for the Lambda endpoint type.

Type: [LambdaEndpointInput](#) object

LastUpdatedTime

A timestamp that indicates when the service was last updated.

Type: Timestamp

Name

The name of the service.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: (?!svc-)[a-zA-Z0-9]+[a-zA-Z0-9-_]+

OwnerAccountId

The AWS account ID of the service owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d{12}

ServiceId

The unique identifier of the service.

Type: String

Length Constraints: Fixed length of 14.

Pattern: svc-[0-9A-Za-z]{10}

State

The current state of the service.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED

Tags

The tags assigned to the created service. A tag is a label that you assign to an AWS resource. Each tag consists of a key-value pair..

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:).+.*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

UrlEndpoint

The configuration for the URL endpoint type.

Type: [UrlEndpointInput](#) object

VpcId

The ID of the VPC.

Type: String

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

Pattern: vpc-[-a-f0-9]{8}([-a-f0-9]{9})?

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 402

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

DeleteApplication

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Deletes an AWS Migration Hub Refactor Spaces application. Before you can delete an application, you must first delete any services or routes within the application.

Request Syntax

```
DELETE /environments/EnvironmentIdentifier/applications/ApplicationIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ApplicationIdentifier

The ID of the application.

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Required: Yes

EnvironmentIdentifier

The ID of the environment.

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "ApplicationId": "string",
  "Arn": "string",
  "EnvironmentId": "string",
  "LastUpdatedTime": number,
  "Name": "string",
  "State": "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.

ApplicationId

The ID of the application.

Type: String

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Arn

The Amazon Resource Name (ARN) of the application.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:aws:refactor-spaces:[a-zA-Z0-9\-\+:\w{12}:[a-zA-Z_0-9+=,.\@\-_/\]]+

EnvironmentId

The unique identifier of the application's environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

LastUpdatedTime

A timestamp that indicates when the environment was last updated.

Type: Timestamp

Name

The name of the application.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: (?!app-)[a-zA-Z0-9]+[a-zA-Z0-9-_]+

State

The current state of the application.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED | UPDATING

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

DeleteEnvironment

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Deletes an AWS Migration Hub Refactor Spaces environment. Before you can delete an environment, you must first delete any applications and services within the environment.

Request Syntax

```
DELETE /environments/EnvironmentIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EnvironmentIdentifier

The ID of the environment.

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
  "Arn": "string",
  "EnvironmentId": "string",
  "LastUpdatedTime": number,
  "Name": "string",
  "State": "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.

Arn

The Amazon Resource Name (ARN) of the environment.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\_]+:\w{12}:[a-zA-Z0-9+=,.\@\_/-]`

EnvironmentId

The unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

LastUpdatedTime

A timestamp that indicates when the environment was last updated.

Type: Timestamp

Name

The name of the environment.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `(?!env-)[a-zA-Z0-9]+[a-zA-Z0-9-_ ]+`

State

The current state of the environment.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

DeleteResourcePolicy

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Deletes the resource policy set for the environment.

Request Syntax

```
DELETE /resourcepolicy/Identifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

Identifier

Amazon Resource Name (ARN) of the resource associated with the policy.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\_]+:\w{12}:[a-zA-Z0-9+=,.\@-\_/\_]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

DeleteRoute

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Deletes an AWS Migration Hub Refactor Spaces route.

Request Syntax

```
DELETE /environments/EnvironmentIdentifier/applications/ApplicationIdentifier/
routes/RouteIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ApplicationIdentifier

The ID of the application to delete the route from.

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Required: Yes

EnvironmentIdentifier

The ID of the environment to delete the route from.

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: Yes

RouteIdentifier

The ID of the route to delete.

Length Constraints: Fixed length of 14.

Pattern: `rte-[0-9A-Za-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "ApplicationId": "string",
  "Arn": "string",
  "LastUpdatedTime": number,
  "RouteId": "string",
  "ServiceId": "string",
  "State": "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.

[ApplicationId](#)

The ID of the application that the route belongs to.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `app-[0-9A-Za-z]{10}`

[Arn](#)

The Amazon Resource Name (ARN) of the route.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\_]+:\w{12}:[a-zA-Z0-9+=,.\@\-\_/\_]+`

LastUpdatedTime

A timestamp that indicates when the route was last updated.

Type: Timestamp

RouteId

The ID of the route to delete.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `rte-[0-9A-Za-z]{10}`

ServiceId

The ID of the service that the route belongs to.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `svc-[0-9A-Za-z]{10}`

State

The current state of the route.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED | UPDATING | INACTIVE

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

DeleteService

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Deletes an AWS Migration Hub Refactor Spaces service.

Request Syntax

```
DELETE /environments/EnvironmentIdentifier/applications/ApplicationIdentifier/
services/ServiceIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ApplicationIdentifier

Deletes a Refactor Spaces service.

Note

The RefactorSpacesSecurityGroup security group must be removed from all AWS resources in the virtual private cloud (VPC) prior to deleting a service with a URL endpoint in a VPC.

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Required: Yes

EnvironmentIdentifier

The ID of the environment that the service is in.

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

Required: Yes

ServiceIdentifier

The ID of the service to delete.

Length Constraints: Fixed length of 14.

Pattern: `svc-[0-9A-Za-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "ApplicationId": "string",
  "Arn": "string",
  "EnvironmentId": "string",
  "LastUpdatedTime": number,
  "Name": "string",
  "ServiceId": "string",
  "State": "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.

ApplicationId

The ID of the application that the service is in.

Type: String

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Arn

The Amazon Resource Name (ARN) of the service.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:aws:refactor-spaces:[a-zA-Z0-9\-\+:\w{12}:[a-zA-Z_0-9+=,.\@_/_]+

EnvironmentId

The unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

LastUpdatedTime

A timestamp that indicates when the service was last updated.

Type: Timestamp

Name

The name of the service.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: (?!svc-)[a-zA-Z0-9]+[a-zA-Z0-9-_]+

ServiceId

The unique identifier of the service.

Type: String

Length Constraints: Fixed length of 14.

Pattern: svc-[0-9A-Za-z]{10}

State

The current state of the service.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 409

InternalServerError

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

GetApplication

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Gets an AWS Migration Hub Refactor Spaces application.

Request Syntax

```
GET /environments/EnvironmentIdentifier/applications/ApplicationIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ApplicationIdentifier

The ID of the application.

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Required: Yes

EnvironmentIdentifier

The ID of the environment.

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "ApiGatewayProxy": {
    "ApiGatewayId": "string",
    "EndpointType": "string",
    "NlbArn": "string",
    "NlbName": "string",
    "ProxyUrl": "string",
    "StageName": "string",
    "VpcLinkId": "string"
  },
  "ApplicationId": "string",
  "Arn": "string",
  "CreatedByAccountId": "string",
  "CreatedTime": number,
  "EnvironmentId": "string",
  "Error": {
    "AccountId": "string",
    "AdditionalDetails": {
      "string" : "string"
    },
    "Code": "string",
    "Message": "string",
    "ResourceIdentifier": "string",
    "ResourceType": "string"
  },
  "LastUpdatedTime": number,
  "Name": "string",
  "OwnerAccountId": "string",
  "ProxyType": "string",
  "State": "string",
  "Tags": {
    "string" : "string"
  },
  "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.

ApiGatewayProxy

The endpoint URL of the API Gateway proxy.

Type: [ApiGatewayProxyConfig](#) object

ApplicationId

The unique identifier of the application.

Type: String

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Arn

The Amazon Resource Name (ARN) of the application.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:aws:refactor-spaces:[a-zA-Z0-9\-_]+:\w{12}:[a-zA-Z0-9+=,.\@-_/_]+

CreatedByAccountId

The AWS account ID of the application creator.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d{12}

CreatedTime

A timestamp that indicates when the application is created.

Type: Timestamp

EnvironmentId

The unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Error

Any error associated with the application resource.

Type: [ErrorResponse](#) object

LastUpdatedTime

A timestamp that indicates when the application was last updated.

Type: Timestamp

Name

The name of the application.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: (?!app-)[a-zA-Z0-9]+[a-zA-Z0-9-_]+

OwnerAccountId

The AWS account ID of the application owner (which is always the same as the environment owner account ID).

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d{12}

ProxyType

The proxy type of the proxy created within the application.

Type: String

Valid Values: API_GATEWAY

State

The current state of the application.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED | UPDATING

Tags

The tags assigned to the application. A tag is a label that you assign to an AWS resource. Each tag consists of a key-value pair.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:).+.*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

VpcId

The ID of the virtual private cloud (VPC).

Type: String

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

Pattern: vpc-[-a-f0-9]{8}([-a-f0-9]{9})?

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

GetEnvironment

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Gets an AWS Migration Hub Refactor Spaces environment.

Request Syntax

```
GET /environments/EnvironmentIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EnvironmentIdentifier

The ID of the environment.

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "Arn": "string",
```

```
{
  "CreatedTime": number,
  "Description": "string",
  "EnvironmentId": "string",
  "Error": {
    "AccountId": "string",
    "AdditionalDetails": {
      "string" : "string"
    },
    "Code": "string",
    "Message": "string",
    "ResourceIdentifier": "string",
    "ResourceType": "string"
  },
  "LastUpdatedTime": number,
  "Name": "string",
  "NetworkFabricType": "string",
  "OwnerAccountId": "string",
  "State": "string",
  "Tags": {
    "string" : "string"
  },
  "TransitGatewayId": "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.

[Arn](#)

The Amazon Resource Name (ARN) of the environment.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\-]+:\w{12}: [a-zA-Z_0-9+=, .@\-\_/\-]+`

[CreatedTime](#)

A timestamp that indicates when the environment is created.

Type: Timestamp

Description

The description of the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9-_\s\.\!*\#\@\']+`

EnvironmentId

The unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

Error

Any error associated with the environment resource.

Type: [ErrorResponse](#) object

LastUpdatedTime

A timestamp that indicates when the environment was last updated.

Type: Timestamp

Name

The name of the environment.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `(?!env-)[a-zA-Z0-9]+[a-zA-Z0-9-_ ]+`

NetworkFabricType

The network fabric type of the environment.

Type: String

Valid Values: TRANSIT_GATEWAY | NONE

OwnerAccountId

The AWS account ID of the environment owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d{12}

State

The current state of the environment.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED

Tags

The tags to assign to the environment. A tag is a label that you assign to an AWS resource. Each tag consists of a key-value pair.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:)\.+\.

Value Length Constraints: Minimum length of 0. Maximum length of 256.

TransitGatewayId

The ID of the AWS Transit Gateway set up by the environment, if applicable.

Type: String

Length Constraints: Fixed length of 21.

Pattern: tgw-[-a-f0-9]{17}

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

GetResourcePolicy

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Gets the resource-based permission policy that is set for the given environment.

Request Syntax

```
GET /resourcepolicy/Identifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

Identifier

The Amazon Resource Name (ARN) of the resource associated with the policy.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\_]+:\w{12}:[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
```

```
{  
  "Policy": "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.

Policy

A JSON-formatted string for an AWS resource-based policy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 300000.

Pattern: `.*\S.*`

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

GetRoute

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Gets an AWS Migration Hub Refactor Spaces route.

Request Syntax

```
GET /environments/EnvironmentIdentifier/applications/ApplicationIdentifier/
routes/RouteIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ApplicationIdentifier

The ID of the application.

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Required: Yes

EnvironmentIdentifier

The ID of the environment.

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: Yes

RouteIdentifier

The ID of the route.

Length Constraints: Fixed length of 14.

Pattern: `rte-[0-9A-Za-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "AppendSourcePath": boolean,
  "ApplicationId": "string",
  "Arn": "string",
  "CreatedByAccountId": "string",
  "CreatedTime": number,
  "EnvironmentId": "string",
  "Error": {
    "AccountId": "string",
    "AdditionalDetails": {
      "string" : "string"
    },
    "Code": "string",
    "Message": "string",
    "ResourceIdentifier": "string",
    "ResourceType": "string"
  },
  "IncludeChildPaths": boolean,
  "LastUpdatedTime": number,
  "Methods": [ "string" ],
  "OwnerAccountId": "string",
  "PathResourceToId": {
    "string" : "string"
  },
  "RouteId": "string",
  "RouteType": "string",
  "ServiceId": "string",
```

```
"SourcePath": "string",  
"State": "string",  
"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.

[AppendSourcePath](#)

If set to `true`, this option appends the source path to the service URL endpoint.

Type: Boolean

[ApplicationId](#)

The ID of the application that the route belongs to.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `app-[0-9A-Za-z]{10}`

[Arn](#)

The Amazon Resource Name (ARN) of the route.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\-]+:\w{12}:[a-zA-Z_0-9+=,.\@\-\_\/]+`

[CreatedByAccountId](#)

The AWS account ID of the route creator.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

CreatedTime

The timestamp of when the route is created.

Type: Timestamp

EnvironmentId

Unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

Error

Any error associated with the route resource.

Type: [ErrorResponse](#) object

IncludeChildPaths

Indicates whether to match all subpaths of the given source path. If this value is `false`, requests must match the source path exactly before they are forwarded to this route's service.

Type: Boolean

LastUpdatedTime

A timestamp that indicates when the route was last updated.

Type: Timestamp

Methods

A list of HTTP methods to match. An empty list matches all values. If a method is present, only HTTP requests using that method are forwarded to this route's service.

Type: Array of strings

Valid Values: DELETE | GET | HEAD | OPTIONS | PATCH | POST | PUT

OwnerAccountId

The AWS account ID of the route owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

PathResourceTold

A mapping of Amazon API Gateway path resources to resource IDs.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 2048.

Value Length Constraints: Fixed length of 10.

Value Pattern: `[a-z0-9]{10}`

RouteId

The unique identifier of the route.

DEFAULT: All traffic that does not match another route is forwarded to the default route. Applications must have a default route before any other routes can be created.

URI_PATH: A route that is based on a URI path.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `rt-[0-9A-Za-z]{10}`

RouteType

The type of route.

Type: String

Valid Values: `DEFAULT` | `URI_PATH`

ServiceId

The unique identifier of the service.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `svc-[0-9A-Za-z]{10}`

SourcePath

This is the path that Refactor Spaces uses to match traffic. Paths must start with `/` and are relative to the base of the application. To use path parameters in the source path, add a variable in curly braces. For example, the resource path `{user}` represents a path parameter called 'user'.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(/([a-zA-Z0-9._:-]+|\{[a-zA-Z0-9._:-]+\}))+`

State

The current state of the route.

Type: String

Valid Values: `CREATING` | `ACTIVE` | `DELETING` | `FAILED` | `UPDATING` | `INACTIVE`

Tags

The tags assigned to the route. A tag is a label that you assign to an AWS resource. Each tag consists of a key-value pair.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `(?!aws:)\.+\.`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

GetService

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Gets an AWS Migration Hub Refactor Spaces service.

Request Syntax

```
GET /environments/EnvironmentIdentifier/applications/ApplicationIdentifier/
services/ServiceIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ApplicationIdentifier

The ID of the application.

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Required: Yes

EnvironmentIdentifier

The ID of the environment.

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: Yes

ServiceIdentifier

The ID of the service.

Length Constraints: Fixed length of 14.

Pattern: `svc-[0-9A-Za-z]{10}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "ApplicationId": "string",
  "Arn": "string",
  "CreatedByAccountId": "string",
  "CreatedTime": number,
  "Description": "string",
  "EndpointType": "string",
  "EnvironmentId": "string",
  "Error": {
    "AccountId": "string",
    "AdditionalDetails": {
      "string" : "string"
    },
    "Code": "string",
    "Message": "string",
    "ResourceIdentifier": "string",
    "ResourceType": "string"
  },
  "LambdaEndpoint": {
    "Arn": "string"
  },
  "LastUpdatedTime": number,
  "Name": "string",
  "OwnerAccountId": "string",
  "ServiceId": "string",
  "State": "string",
  "Tags": {
```

```
    "string" : "string"
  },
  "UrlEndpoint": {
    "HealthUrl": "string",
    "Url": "string"
  },
  "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.

ApplicationId

The ID of the application.

Type: String

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Arn

The Amazon Resource Name (ARN) of the service.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:aws:refactor-spaces:[a-zA-Z0-9\-\+:\w{12}:[a-zA-Z_0-9+=,.\@\-_/\+]

CreatedByAccountId

The AWS account ID of the service creator.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d{12}

CreatedTime

The timestamp of when the service is created.

Type: Timestamp

Description

The description of the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9-_\s\.\!\\*\#\@\'\"]+`

EndpointType

The endpoint type of the service.

Type: String

Valid Values: LAMBDA | URL

EnvironmentId

The unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

Error

Any error associated with the service resource.

Type: [ErrorResponse](#) object

LambdaEndpoint

The configuration for the AWS Lambda endpoint type.

The **Arn** is the Amazon Resource Name (ARN) of the Lambda function associated with this service.

Type: [LambdaEndpointConfig](#) object

LastUpdatedTime

A timestamp that indicates when the service was last updated.

Type: Timestamp

Name

The name of the service.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `(?!svc-)[a-zA-Z0-9]+[a-zA-Z0-9-_ ]+`

OwnerAccountId

The AWS account ID of the service owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

ServiceId

The unique identifier of the service.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `svc-[0-9A-Za-z]{10}`

State

The current state of the service.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED

Tags

The tags assigned to the service. A tag is a label that you assign to an AWS resource. Each tag consists of a key-value pair.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:).+.*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

UrlEndpoint

The configuration for the URL endpoint type.

The **Url** is the URL of the endpoint type.

The **HealthUrl** is the health check URL of the endpoint type.

Type: [UrlEndpointConfig](#) object

VpcId

The ID of the virtual private cloud (VPC).

Type: String

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

Pattern: vpc-[-a-f0-9]{8}([-a-f0-9]{9})?

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)

- [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](#)

ListApplications

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Lists all the AWS Migration Hub Refactor Spaces applications within an environment.

Request Syntax

```
GET /environments/EnvironmentIdentifier/applications?
maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EnvironmentIdentifier

The ID of the environment.

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: Yes

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9/\+\=\]{0,2048}`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "ApplicationSummaryList": [
    {
      "ApiGatewayProxy": {
        "ApiGatewayId": "string",
        "EndpointType": "string",
        "NlbArn": "string",
        "NlbName": "string",
        "ProxyUrl": "string",
        "StageName": "string",
        "VpcLinkId": "string"
      },
      "ApplicationId": "string",
      "Arn": "string",
      "CreatedByAccountId": "string",
      "CreatedTime": number,
      "EnvironmentId": "string",
      "Error": {
        "AccountId": "string",
        "AdditionalDetails": {
          "string" : "string"
        },
        "Code": "string",
        "Message": "string",
        "ResourceIdentifier": "string",
        "ResourceType": "string"
      },
      "LastUpdatedTime": number,
      "Name": "string",
```

```
    "OwnerAccountId": "string",
    "ProxyType": "string",
    "State": "string",
    "Tags": {
        "string" : "string"
    },
    "VpcId": "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.

[ApplicationSummaryList](#)

The list of ApplicationSummary objects.

Type: Array of [ApplicationSummary](#) objects

[NextToken](#)

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: [a-zA-Z0-9/\+\=\]{0,2048}

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 402

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

ListEnvironments

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Lists AWS Migration Hub Refactor Spaces environments owned by a caller account or shared with the caller account.

Request Syntax

```
GET /environments?maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9/\+\=\]{0,2048}`

Request Body

The request does not have a request body.

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "EnvironmentSummaryList": [
    {
      "Arn": "string",
      "CreatedTime": number,
      "Description": "string",
      "EnvironmentId": "string",
      "Error": {
        "AccountId": "string",
        "AdditionalDetails": {
          "string" : "string"
        },
        "Code": "string",
        "Message": "string",
        "ResourceIdentifier": "string",
        "ResourceType": "string"
      },
      "LastUpdatedTime": number,
      "Name": "string",
      "NetworkFabricType": "string",
      "OwnerAccountId": "string",
      "State": "string",
      "Tags": {
        "string" : "string"
      },
      "TransitGatewayId": "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.

[EnvironmentSummaryList](#)

The list of `EnvironmentSummary` objects.

Type: Array of [EnvironmentSummary](#) objects

[NextToken](#)

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9/\+\=\]{0,2048}`

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

ListEnvironmentVpcs

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Lists all AWS Migration Hub Refactor Spaces service virtual private clouds (VPCs) that are part of the environment.

Request Syntax

```
GET /environments/EnvironmentIdentifier/vpcs?maxResults=MaxResults&nextToken=NextToken
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EnvironmentIdentifier

The ID of the environment.

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: Yes

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9/\+\=\]{0,2048}`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "EnvironmentVpcList": [
    {
      "AccountId": "string",
      "CidrBlocks": [ "string" ],
      "CreatedTime": number,
      "EnvironmentId": "string",
      "LastUpdatedTime": number,
      "VpcId": "string",
      "VpcName": "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.

[EnvironmentVpcList](#)

The list of EnvironmentVpc objects.

Type: Array of [EnvironmentVpc](#) objects

[NextToken](#)

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9/\+\=\]{0,2048}`

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

ListRoutes

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Lists all the AWS Migration Hub Refactor Spaces routes within an application.

Request Syntax

```
GET /environments/EnvironmentIdentifier/applications/ApplicationIdentifier/routes?
maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ApplicationIdentifier

The ID of the application.

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Required: Yes

EnvironmentIdentifier

The ID of the environment.

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: Yes

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9/\+\=\]{0,2048}`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "NextToken": "string",
  "RouteSummaryList": [
    {
      "AppendSourcePath": boolean,
      "ApplicationId": "string",
      "Arn": "string",
      "CreatedByAccountId": "string",
      "CreatedTime": number,
      "EnvironmentId": "string",
      "Error": {
        "AccountId": "string",
        "AdditionalDetails": {
          "string": "string"
        },
        "Code": "string",
        "Message": "string",
        "ResourceIdentifier": "string",
```

```
    "ResourceType": "string",
  },
  "IncludeChildPaths": boolean,
  "LastUpdatedTime": number,
  "Methods": [ "string" ],
  "OwnerAccountId": "string",
  "PathResourceToId": {
    "string" : "string"
  },
  "RouteId": "string",
  "RouteType": "string",
  "ServiceId": "string",
  "SourcePath": "string",
  "State": "string",
  "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.

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9/\+\=\]{0,2048}`

RouteSummaryList

The list of RouteSummary objects.

Type: Array of [RouteSummary](#) objects

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 402

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

ListServices

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Lists all the AWS Migration Hub Refactor Spaces services within an application.

Request Syntax

```
GET /environments/EnvironmentIdentifier/applications/ApplicationIdentifier/services?  
maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ApplicationIdentifier

The ID of the application.

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Required: Yes

EnvironmentIdentifier

The ID of the environment.

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: Yes

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9/\+\=\]{0,2048}`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "NextToken": "string",
  "ServiceSummaryList": [
    {
      "ApplicationId": "string",
      "Arn": "string",
      "CreatedByAccountId": "string",
      "CreatedTime": number,
      "Description": "string",
      "EndpointType": "string",
      "EnvironmentId": "string",
      "Error": {
        "AccountId": "string",
        "AdditionalDetails": {
          "string": "string"
        },
        "Code": "string",
        "Message": "string",
```

```
    "ResourceIdentifier": "string",
    "ResourceType": "string"
  },
  "LambdaEndpoint": {
    "Arn": "string"
  },
  "LastUpdatedTime": number,
  "Name": "string",
  "OwnerAccountId": "string",
  "ServiceId": "string",
  "State": "string",
  "Tags": {
    "string" : "string"
  },
  "UrlEndpoint": {
    "HealthUrl": "string",
    "Url": "string"
  },
  "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.

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: [a-zA-Z0-9/\+\=\]{0,2048}

ServiceSummaryList

The list of ServiceSummary objects.

Type: Array of [ServiceSummary](#) objects

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 402

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Lists the tags of a resource. The caller account must be the same as the resource's `OwnerAccountId`. Listing tags in other accounts is not supported.

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.

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

The list of tags assigned to the resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:).+.*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Errors

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

InternalServerError

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

PutResourcePolicy

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Attaches a resource-based permission policy to the AWS Migration Hub Refactor Spaces environment. The policy must contain the same actions and condition statements as the `arn:aws:ram::aws:permission/AWSRAMDefaultPermissionRefactorSpacesEnvironment` permission in AWS Resource Access Manager. The policy must not contain new lines or blank lines.

Request Syntax

```
PUT /resourcepolicy HTTP/1.1
Content-type: application/json

{
  "Policy": "string",
  "ResourceArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Policy

A JSON-formatted string for an AWS resource-based policy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 300000.

Pattern: `.*\S.*`

Required: Yes

[ResourceArn](#)

The Amazon Resource Name (ARN) of the resource to which the policy is being attached.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\+]:\w{12}:[a-zA-Z0-9+=,.\@\_/-]+`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred while processing the request.

HTTP Status Code: 500

InvalidResourcePolicyException

The resource policy is not valid.

HTTP Status Code: 400

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Removes the tags of a given resource. Tags are metadata which can be used to manage a resource. To tag a resource, the caller account must be the same as the resource's `OwnerAccountId`. Tagging resources in other accounts is not supported.

Note

AWS Migration Hub Refactor Spaces does not propagate tags to orchestrated resources, such as an environment's transit gateway.

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.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Tags

The new or modified tags for the resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:).+.*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

InternalServerErrorException

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Adds to or modifies the tags of the given resource. Tags are metadata which can be used to manage a resource. To untag a resource, the caller account must be the same as the resource's `OwnerAccountId`. Untagging resources across accounts is not supported.

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.

Required: Yes

TagKeys

The list of keys of the tags to be removed from the resource.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

InternalServerError

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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](#)

UpdateRoute

Note

AWS Migration Hub will no longer be open to new customers starting November 7, 2025. To continue using the service, sign up prior to November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

Updates an AWS Migration Hub Refactor Spaces route.

Request Syntax

```
PATCH /environments/EnvironmentIdentifier/applications/ApplicationIdentifier/
routes/RouteIdentifier HTTP/1.1
Content-type: application/json

{
  "ActivationState": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

ApplicationIdentifier

The ID of the application within which the route is being updated.

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Required: Yes

EnvironmentIdentifier

The ID of the environment in which the route is being updated.

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

Required: Yes

RouteIdentifier

The unique identifier of the route to update.

Length Constraints: Fixed length of 14.

Pattern: `rte-[0-9A-Za-z]{10}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ActivationState

If set to `ACTIVE`, traffic is forwarded to this route's service after the route is updated.

Type: String

Valid Values: `ACTIVE` | `INACTIVE`

Required: Yes

Response Syntax

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

{
  "ApplicationId": "string",
  "Arn": "string",
  "LastUpdateTime": number,
  "RouteId": "string",
  "ServiceId": "string",
  "State": "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.

ApplicationId

The ID of the application in which the route is being updated.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `app-[0-9A-Za-z]{10}`

Arn

The Amazon Resource Name (ARN) of the route. The format for this ARN is

`arn:aws:refactor-spaces:region:account-id:resource-type/resource-id` .

For more information about ARNs, see [Amazon Resource Names \(ARNs\)](#) in the *AWS General Reference*.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\_]+:\w{12}: [a-zA-Z_0-9+=, .@ \- \_ / ] +`

LastUpdatedTime

A timestamp that indicates when the route was last updated.

Type: Timestamp

RouteId

The unique identifier of the route.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `rte-[0-9A-Za-z]{10}`

ServiceId

The ID of service in which the route was created. Traffic that matches this route is forwarded to this service.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `svc-[0-9A-Za-z]{10}`

State

The current state of the route.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED | UPDATING | INACTIVE

Errors

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

AccessDeniedException

The user does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred while processing the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

ResourceId

The ID of the resource.

ResourceType

The type of resource.

HTTP Status Code: 404

ThrottlingException

Request was denied because the request was throttled.

QuotaCode

Service quota requirement to identify originating quota. Reached throttling quota exception.

RetryAfterSeconds

The number of seconds to wait before retrying.

ServiceCode

Service quota requirement to identify originating service. Reached throttling quota exception service code.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS 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](#)
- [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 AWS Migration Hub Refactor Spaces 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:

- [ApiGatewayProxyConfig](#)
- [ApiGatewayProxyInput](#)
- [ApiGatewayProxySummary](#)
- [ApplicationSummary](#)
- [DefaultRouteInput](#)
- [EnvironmentSummary](#)
- [EnvironmentVpc](#)
- [ErrorResponse](#)
- [LambdaEndpointConfig](#)
- [LambdaEndpointInput](#)
- [LambdaEndpointSummary](#)
- [RouteSummary](#)
- [ServiceSummary](#)
- [UriPathRouteInput](#)
- [UrlEndpointConfig](#)
- [UrlEndpointInput](#)
- [UrlEndpointSummary](#)

ApiGatewayProxyConfig

A wrapper object holding the Amazon API Gateway proxy configuration.

Contents

ApiGatewayId

The resource ID of the API Gateway for the proxy.

Type: String

Length Constraints: Fixed length of 10.

Pattern: `[a-z0-9]{10}`

Required: No

EndpointType

The type of API Gateway endpoint created.

Type: String

Valid Values: REGIONAL | PRIVATE

Required: No

NlbArn

The Amazon Resource Name (ARN) of the Network Load Balancer configured by the API Gateway proxy.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:elasticloadbalancing:[a-zA-Z0-9\-\-]+\:\w{12}: [a-zA-Z_0-9+=,.\@\-_/\-]+`

Required: No

NlbName

The name of the Network Load Balancer that is configured by the API Gateway proxy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `(?!internal-)[a-zA-Z0-9]+[a-zA-Z0-9-_ ]+.*[^-]`

Required: No

ProxyUrl

The endpoint URL of the API Gateway proxy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `https?:\/\/[-a-zA-Z0-9+\x38@#/%?=\~_|!:,.;]*[-a-zA-Z0-9+\x38@#/%=\~_|]`

Required: No

StageName

The name of the API Gateway stage. The name defaults to prod.

Type: String

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

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

Required: No

VpcLinkId

The VpcLink ID of the API Gateway proxy.

Type: String

Length Constraints: Fixed length of 10.

Pattern: `[a-z0-9]{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](#)

ApiGatewayProxyInput

A wrapper object holding the Amazon API Gateway endpoint input.

Contents

EndpointType

The type of endpoint to use for the API Gateway proxy. If no value is specified in the request, the value is set to REGIONAL by default.

If the value is set to PRIVATE in the request, this creates a private API endpoint that is isolated from the public internet. The private endpoint can only be accessed by using Amazon Virtual Private Cloud (Amazon VPC) interface endpoints for the Amazon API Gateway that has been granted access. For more information about creating a private connection with Refactor Spaces and interface endpoint (AWS PrivateLink) availability, see [Access Refactor Spaces using an interface endpoint \(AWS PrivateLink\)](#).

Type: String

Valid Values: REGIONAL | PRIVATE

Required: No

StageName

The name of the API Gateway stage. The name defaults to prod.

Type: String

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

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

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](#)

ApiGatewayProxySummary

A wrapper object holding the Amazon API Gateway proxy summary.

Contents

ApiGatewayId

The resource ID of the API Gateway for the proxy.

Type: String

Length Constraints: Fixed length of 10.

Pattern: `[a-z0-9]{10}`

Required: No

EndpointType

The type of API Gateway endpoint created.

Type: String

Valid Values: REGIONAL | PRIVATE

Required: No

NlbArn

The Amazon Resource Name (ARN) of the Network Load Balancer configured by the API Gateway proxy.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:elasticloadbalancing:[a-zA-Z0-9\-\-]+\:\w{12}: [a-zA-Z_0-9+=,.\@\-\_/\-]+`

Required: No

NlbName

The name of the Network Load Balancer that is configured by the API Gateway proxy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `(?!internal-)[a-zA-Z0-9]+[a-zA-Z0-9-_ ]+.*[^-]`

Required: No

ProxyUrl

The endpoint URL of the API Gateway proxy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `https?:\/\/[-a-zA-Z0-9+\x38@#/%?=\~_|!:,.;]*[-a-zA-Z0-9+\x38@#/%=\~_|]`

Required: No

StageName

The name of the API Gateway stage. The name defaults to prod.

Type: String

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

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

Required: No

VpcLinkId

The VpcLink ID of the API Gateway proxy.

Type: String

Length Constraints: Fixed length of 10.

Pattern: `[a-z0-9]{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](#)

ApplicationSummary

The list of ApplicationSummary objects.

Contents

ApiGatewayProxy

The endpoint URL of the Amazon API Gateway proxy.

Type: [ApiGatewayProxySummary](#) object

Required: No

ApplicationId

The unique identifier of the application.

Type: String

Length Constraints: Fixed length of 14.

Pattern: app-[0-9A-Za-z]{10}

Required: No

Arn

The Amazon Resource Name (ARN) of the application.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:aws:refactor-spaces:[a-zA-Z0-9\-\-]+\:\w{12}: [a-zA-Z_0-9+=, .@_/-]

Required: No

CreatedByAccountId

The AWS account ID of the application creator.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

Required: No

CreatedTime

A timestamp that indicates when the application is created.

Type: Timestamp

Required: No

EnvironmentId

The unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

Required: No

Error

Any error associated with the application resource.

Type: [ErrorResponse](#) object

Required: No

LastUpdatedTime

A timestamp that indicates when the application was last updated.

Type: Timestamp

Required: No

Name

The name of the application.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `(?!app-)[a-zA-Z0-9]+[a-zA-Z0-9-_ ]+`

Required: No

OwnerId

The AWS account ID of the application owner (which is always the same as the environment owner account ID).

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

Required: No

ProxyType

The proxy type of the proxy created within the application.

Type: String

Valid Values: `API_GATEWAY`

Required: No

State

The current state of the application.

Type: String

Valid Values: `CREATING` | `ACTIVE` | `DELETING` | `FAILED` | `UPDATING`

Required: No

Tags

The tags assigned to the application.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:).+.*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

VpcId

The ID of the virtual private cloud (VPC).

Type: String

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

Pattern: vpc-[-a-f0-9]{8}([-a-f0-9]{9})?

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](#)

DefaultRouteInput

The configuration for the default route type.

Contents

ActivationState

If set to `ACTIVE`, traffic is forwarded to this route's service after the route is created.

Type: String

Valid Values: `ACTIVE` | `INACTIVE`

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](#)

EnvironmentSummary

The summary information for environments as a response to `ListEnvironments`.

Contents

Arn

The Amazon Resource Name (ARN) of the environment.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\_]+\w{12}:[a-zA-Z0-9+=,.\@-\_/\_]+`

Required: No

CreatedTime

A timestamp that indicates when the environment is created.

Type: Timestamp

Required: No

Description

A description of the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9-\_s\.\!\*\#\@\'\_]+`

Required: No

EnvironmentId

The unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

Required: No

Error

Any error associated with the environment resource.

Type: [ErrorResponse](#) object

Required: No

LastUpdatedTime

A timestamp that indicates when the environment was last updated.

Type: Timestamp

Required: No

Name

The name of the environment.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `(?!env-)[a-zA-Z0-9]+[a-zA-Z0-9-_ ]+`

Required: No

NetworkFabricType

The network fabric type of the environment.

Type: String

Valid Values: `TRANSIT_GATEWAY` | `NONE`

Required: No

OwnerAccountId

The AWS account ID of the environment owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d{12}

Required: No

State

The current state of the environment.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED

Required: No

Tags

The tags assigned to the environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:).+.*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

TransitGatewayId

The ID of the AWS Transit Gateway set up by the environment.

Type: String

Length Constraints: Fixed length of 21.

Pattern: tgw-[-a-f0-9]{17}

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](#)

EnvironmentVpc

Provides summary information for the EnvironmentVpc resource as a response to ListEnvironmentVpc.

Contents

AccountId

The AWS account ID of the virtual private cloud (VPC) owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d{12}

Required: No

CidrBlocks

The list of Amazon Virtual Private Cloud (Amazon VPC) CIDR blocks.

Type: Array of strings

Array Members: Minimum number of 1 item.

Required: No

CreatedTime

A timestamp that indicates when the VPC is first added to the environment.

Type: Timestamp

Required: No

EnvironmentId

The unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: env-[0-9A-Za-z]{10}

Required: No

LastUpdatedTime

A timestamp that indicates when the VPC was last updated by the environment.

Type: Timestamp

Required: No

VpcId

The ID of the VPC.

Type: String

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

Pattern: vpc-[-a-f0-9]{8}([-a-f0-9]{9})?

Required: No

VpcName

The name of the VPC at the time it is added to the environment.

Type: String

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

Pattern: .*

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](#)

ErrorResponse

Error associated with a resource returned for a Get or List resource response.

Contents

AccountId

The AWS account ID of the resource owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d{12}

Required: No

AdditionalDetails

Additional details about the error.

Type: String to string map

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

Value Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

Code

The error code associated with the error.

Type: String

Valid Values: INVALID_RESOURCE_STATE | RESOURCE_LIMIT_EXCEEDED
| RESOURCE_CREATION_FAILURE | RESOURCE_UPDATE_FAILURE |
SERVICE_ENDPOINT_HEALTH_CHECK_FAILURE | RESOURCE_DELETION_FAILURE |
RESOURCE_RETRIEVAL_FAILURE | RESOURCE_IN_USE | RESOURCE_NOT_FOUND |
STATE_TRANSITION_FAILURE | REQUEST_LIMIT_EXCEEDED | NOT_AUTHORIZED

Required: No

Message

The message associated with the error.

Type: String

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

Pattern: `[\p{Alnum}\p{Punct}\p{Blank}]*`

Required: No

ResourceIdentifier

The ID of the resource.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `.*(^(\env|svc|pxy|rte|app)-([0-9A-Za-z]{10}$)).*`

Required: No

ResourceType

The type of resource.

Type: String

Valid Values: ENVIRONMENT | APPLICATION | ROUTE | SERVICE | TRANSIT_GATEWAY | TRANSIT_GATEWAY_ATTACHMENT | API_GATEWAY | NLB | TARGET_GROUP | LOAD_BALANCER_LISTENER | VPC_LINK | LAMBDA | VPC | SUBNET | ROUTE_TABLE | SECURITY_GROUP | VPC_ENDPOINT_SERVICE_CONFIGURATION | RESOURCE_SHARE | IAM_ROLE

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](#)

LambdaEndpointConfig

The configuration for the AWS Lambda endpoint type.

Contents

Arn

The Amazon Resource Name (ARN) of the Lambda endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:(aws[a-zA-Z-]*)?:lambda:[a-z]{2}((-gov)|(-iso(b?)))?-[a-z]+-\d{1}:\d{12}:function:[a-zA-Z0-9-_\u0026]+(:(\u0024LATEST|[a-zA-Z0-9-_\u0026]+))?`

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](#)

LambdaEndpointInput

The input for the AWS Lambda endpoint type.

Contents

Arn

The Amazon Resource Name (ARN) of the Lambda function or alias.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:(aws[a-zA-Z-]*)?:lambda:[a-z]{2}((-gov)|(-iso(b?)))?-[a-z]+-\d{1}:\d{12}:function:[a-zA-Z0-9-_\u0026]+(:(\u0024LATEST|[a-zA-Z0-9-_\u0026]+))?`

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](#)

LambdaEndpointSummary

The summary for the AWS Lambda endpoint type.

Contents

Arn

The Amazon Resource Name (ARN) of the Lambda endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:(aws[a-zA-Z-]*)?:lambda:[a-z]{2}((-gov)|(-iso(b?)))?-[a-z]+\d{1}:\d{12}:function:[a-zA-Z0-9-_\+](:(\LATEST|[a-zA-Z0-9-_\+]))?`

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](#)

RouteSummary

The summary information for the routes as a response to `ListRoutes`.

Contents

AppendSourcePath

If set to `true`, this option appends the source path to the service URL endpoint.

Type: Boolean

Required: No

ApplicationId

The unique identifier of the application.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `app-[0-9A-Za-z]{10}`

Required: No

Arn

The Amazon Resource Name (ARN) of the route.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\_]+:\w{12}:[a-zA-Z0-9+=,.\@\_/-_]/]+`

Required: No

CreatedByAccountId

The AWS account ID of the route creator.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

Required: No

CreatedTime

A timestamp that indicates when the route is created.

Type: Timestamp

Required: No

EnvironmentId

The unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

Required: No

Error

Any error associated with the route resource.

Type: [ErrorResponse](#) object

Required: No

IncludeChildPaths

Indicates whether to match all subpaths of the given source path. If this value is `false`, requests must match the source path exactly before they are forwarded to this route's service.

Type: Boolean

Required: No

LastUpdatedTime

A timestamp that indicates when the route was last updated.

Type: Timestamp

Required: No

Methods

A list of HTTP methods to match. An empty list matches all values. If a method is present, only HTTP requests using that method are forwarded to this route's service.

Type: Array of strings

Valid Values: DELETE | GET | HEAD | OPTIONS | PATCH | POST | PUT

Required: No

OwnerId

The AWS account ID of the route owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d{12}

Required: No

PathResourceTold

A mapping of Amazon API Gateway path resources to resource IDs.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 2048.

Value Length Constraints: Fixed length of 10.

Value Pattern: [a-z0-9]{10}

Required: No

RouteId

The unique identifier of the route.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `rte-[0-9A-Za-z]{10}`

Required: No

RouteType

The route type of the route.

Type: String

Valid Values: `DEFAULT` | `URI_PATH`

Required: No

ServiceId

The unique identifier of the service.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `svc-[0-9A-Za-z]{10}`

Required: No

SourcePath

This is the path that Refactor Spaces uses to match traffic. Paths must start with `/` and are relative to the base of the application. To use path parameters in the source path, add a variable in curly braces. For example, the resource path `{user}` represents a path parameter called 'user'.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(/([a-zA-Z0-9._:-]|\\{[a-zA-Z0-9._:-]+\\}))+`

Required: No

State

The current state of the route.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED | UPDATING | INACTIVE

Required: No

Tags

The tags assigned to the route.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: (?!aws:).+.*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

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](#)

ServiceSummary

A summary for the service as a response to `ListServices`.

Contents

ApplicationId

The unique identifier of the application.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `app-[0-9A-Za-z]{10}`

Required: No

Arn

The Amazon Resource Name (ARN) of the service.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:refactor-spaces:[a-zA-Z0-9\-\_]+:\w{12}: [a-zA-Z0-9+=, .@\-\_/\_]+`

Required: No

CreatedByAccountId

The AWS account ID of the service creator.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

Required: No

CreatedTime

A timestamp that indicates when the service is created.

Type: Timestamp

Required: No

Description

A description of the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9-_\s\.\!\\*\#\@\'\"]+`

Required: No

EndpointType

The endpoint type of the service.

Type: String

Valid Values: LAMBDA | URL

Required: No

EnvironmentId

The unique identifier of the environment.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `env-[0-9A-Za-z]{10}`

Required: No

Error

Any error associated with the service resource.

Type: [ErrorResponse](#) object

Required: No

LambdaEndpoint

A summary of the configuration for the AWS Lambda endpoint type.

Type: [LambdaEndpointSummary](#) object

Required: No

LastUpdatedTime

A timestamp that indicates when the service was last updated.

Type: Timestamp

Required: No

Name

The name of the service.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: (?!(svc-)[a-zA-Z0-9]+[a-zA-Z0-9-_]+

Required: No

OwnerAccountId

The AWS account ID of the service owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d{12}

Required: No

ServiceId

The unique identifier of the service.

Type: String

Length Constraints: Fixed length of 14.

Pattern: `svc-[0-9A-Za-z]{10}`

Required: No

State

The current state of the service.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | FAILED

Required: No

Tags

The tags assigned to the service.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `(?!aws:).+.*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

UrlEndpoint

The summary of the configuration for the URL endpoint type.

Type: [UrlEndpointSummary](#) object

Required: No

VpcId

The ID of the virtual private cloud (VPC).

Type: String

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

Pattern: `vpc-[-a-f0-9]{8}([-a-f0-9]{9})?`

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](#)

UriPathRouteInput

The configuration for the URI path route type.

Contents

ActivationState

If set to `ACTIVE`, traffic is forwarded to this route's service after the route is created.

Type: String

Valid Values: `ACTIVE` | `INACTIVE`

Required: Yes

SourcePath

This is the path that Refactor Spaces uses to match traffic. Paths must start with `/` and are relative to the base of the application. To use path parameters in the source path, add a variable in curly braces. For example, the resource path `{user}` represents a path parameter called 'user'.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(/([a-zA-Z0-9._:-]+|\{[a-zA-Z0-9._:-]+\}))+`

Required: Yes

AppendSourcePath

If set to `true`, this option appends the source path to the service URL endpoint.

Type: Boolean

Required: No

IncludeChildPaths

Indicates whether to match all subpaths of the given source path. If this value is `false`, requests must match the source path exactly before they are forwarded to this route's service.

Type: Boolean

Required: No

Methods

A list of HTTP methods to match. An empty list matches all values. If a method is present, only HTTP requests using that method are forwarded to this route's service.

Type: Array of strings

Valid Values: DELETE | GET | HEAD | OPTIONS | PATCH | POST | PUT

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](#)

UrlEndpointConfig

The configuration for the URL endpoint type.

Contents

HealthUrl

The health check URL of the URL endpoint type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `https?:\/\/[-a-zA-Z0-9+\x38@#/%?=\~_|\!:\,.;]*[-a-zA-Z0-9+\x38@#/%=\~_|\]`

Required: No

Url

The HTTP URL endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `https?:\/\/[-a-zA-Z0-9+\x38@#/%?=\~_|\!:\,.;]*[-a-zA-Z0-9+\x38@#/%=\~_|\]`

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](#)

UrlEndpointInput

The configuration for the URL endpoint type.

Contents

Url

The URL to route traffic to. The URL must be an [rfc3986-formatted URL](#). If the host is a domain name, the name must be resolvable over the public internet. If the scheme is `https`, the top level domain of the host must be listed in the [IANA root zone database](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `https?:\/\/[-a-zA-Z0-9+\x38@#/%?=\~_|!:\.,;]*[-a-zA-Z0-9+\x38@#/%=\~_|]`

Required: Yes

HealthUrl

The health check URL of the URL endpoint type. If the URL is a public endpoint, the `HealthUrl` must also be a public endpoint. If the URL is a private endpoint inside a virtual private cloud (VPC), the health URL must also be a private endpoint, and the host must be the same as the URL.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `https?:\/\/[-a-zA-Z0-9+\x38@#/%?=\~_|!:\.,;]*[-a-zA-Z0-9+\x38@#/%=\~_|]`

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](#)

UrlEndpointSummary

The summary of the configuration for the URL endpoint type.

Contents

HealthUrl

The health check URL of the URL endpoint type. If the URL is a public endpoint, the `HealthUrl` must also be a public endpoint. If the URL is a private endpoint inside a virtual private cloud (VPC), the health URL must also be a private endpoint, and the host must be the same as the URL.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `https?:\/\/[-a-zA-Z0-9+\x38@#/%?=~_|!:,.;]*[-a-zA-Z0-9+\x38@#/%?=~_|]`

Required: No

Url

The URL to route traffic to. The URL must be an [rfc3986-formatted URL](#). If the host is a domain name, the name must be resolvable over the public internet. If the scheme is `https`, the top level domain of the host must be listed in the [IANA root zone database](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `https?:\/\/[-a-zA-Z0-9+\x38@#/%?=~_|!:,.;]*[-a-zA-Z0-9+\x38@#/%?=~_|]`

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](#)

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*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

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

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

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

Type: string

Required: Conditional

X-Amz-Date

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

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

Type: string

Required: Conditional

X-Amz-Security-Token

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

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

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

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

Type: string

Required: Conditional

Common Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

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

HTTP Status Code: 500

InvalidAction

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

HTTP Status Code: 400

InvalidClientTokenId

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

HTTP Status Code: 403

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

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

HTTP Status Code: 403

RequestExpired

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

HTTP Status Code: 400

ServiceUnavailable

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

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

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

HTTP Status Code: 400