AWS CodeStar Connections

API Reference

API Version 2019-12-01

AWS CodeStar Connections: API Reference

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Welcome

This AWS CodeStar Connections API Reference provides descriptions and usage examples of the operations and data types for the AWS CodeStar Connections API. You can use the connections API to work with connections and installations.

Connections are configurations that you use to connect AWS resources to external code repositories. Each connection is a resource that can be given to services such as CodePipeline to connect to a third-party repository such as Bitbucket. For example, you can add the connection in CodePipeline so that it triggers your pipeline when a code change is made to your third-party code repository. Each connection is named and associated with a unique ARN that is used to reference the connection.

When you create a connection, the console initiates a third-party connection handshake. *Installations* are the apps that are used to conduct this handshake. For example, the installation for the Bitbucket provider type is the Bitbucket app. When you create a connection, you can choose an existing installation or create one.

When you want to create a connection to an installed provider type such as GitHub Enterprise Server, you create a *host* for your connections.

You can work with connections by calling:

- CreateConnection (p. 3), which creates a uniquely named connection that can be referenced by services such as CodePipeline.
- DeleteConnection (p. 9), which deletes the specified connection.
- GetConnection (p. 13), which returns information about the connection, including the connection status.
- ListConnections (p. 17), which lists the connections associated with your account.

You can work with hosts by calling:

- CreateHost (p. 6), which creates a host that represents the infrastructure where your provider is installed.
- DeleteHost (p. 11), which deletes the specified host.
- GetHost (p. 15), which returns information about the host, including the setup status.
- ListHosts (p. 20), which lists the hosts associated with your account.

You can work with tags in AWS CodeStar Connections by calling the following:

- ListTagsForResource (p. 22), which gets information about AWS tags for a specified Amazon Resource Name (ARN) in AWS CodeStar Connections.
- TagResource (p. 24), which adds or updates tags for a resource in AWS CodeStar Connections.
- UntagResource (p. 26), which removes tags for a resource in AWS CodeStar Connections.

For information about how to use AWS CodeStar Connections, see the Developer Tools User Guide.

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Actions

The following actions are supported:

CreateConnection

Creates a connection that can then be given to other AWS services like CodePipeline so that it can access third-party code repositories. The connection is in pending status until the third-party connection handshake is completed from the console.

Request Syntax

```
{
   "ConnectionName": "string",
   "HostArn": "string",
   "ProviderType": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 36).

The request accepts the following data in JSON format.

ConnectionName (p. 3)

The name of the connection to be created. The name must be unique in the calling AWS account.

Type: String

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

Required: Yes

HostArn (p. 3)

The Amazon Resource Name (ARN) of the host associated with the connection to be created.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:codestar-connections:.+:[0-9]{12}:host\/.+`

Required: No

ProviderType (p. 3)

The name of the external provider where your third-party code repository is configured.

Type: String

Valid Values: `Bitbucket | GitHub | GitHubEnterpriseServer`

Required: No

Tags (p. 3)

The key-value pair to use when tagging the resource.

Type: Array of Tag (p. 33) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

Response Syntax

```
{
   "ConnectionArn": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "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.

ConnectionArn (p. 4)

The Amazon Resource Name (ARN) of the connection to be created. The ARN is used as the connection reference when the connection is shared between AWS services.

Note
The ARN is never reused if the connection is deleted.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:.+:.+:[0-9]{12}:.+`

Tags (p. 4)

Specifies the tags applied to the resource.

Type: Array of Tag (p. 33) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 38).

LimitExceededException

Exceeded the maximum limit for connections.

HTTP Status Code: 400

ResourceNotFoundException

Resource not found. Verify the connection resource ARN and try again.

HTTP Status Code: 400

ResourceUnavailableException

Resource not found. Verify the ARN for the host resource and try again.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateHost

Creates a resource that represents the infrastructure where a third-party provider is installed. The host is used when you create connections to an installed third-party provider type, such as GitHub Enterprise Server. You create one host for all connections to that provider.

Note
A host created through the CLI or the SDK is in `PENDING` status by default. You can make its status `AVAILABLE` by setting up the host in the console.

Request Syntax

```
{
   "Name": "string",
   "ProviderEndpoint": "string",
   "ProviderType": "string",
   "VpcConfiguration": {
      "SecurityGroupIds": [ "string" ],
      "SubnetIds": [ "string" ],
      "TlsCertificate": "string",
      "VpcId": "string"
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 36).

The request accepts the following data in JSON format.

Name (p. 6)

The name of the host to be created. The name must be unique in the calling AWS account.

Type: String

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

Required: Yes

ProviderEndpoint (p. 6)

The endpoint of the infrastructure to be represented by the host after it is created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

ProviderType (p. 6)

The name of the installed provider to be associated with your connection. The host resource represents the infrastructure where your provider type is installed. The valid provider type is GitHub Enterprise Server.

Type: String

Valid Values: `Bitbucket | GitHub | GitHubEnterpriseServer`

Required: Yes

VpcConfiguration (p. 6)

The VPC configuration to be provisioned for the host. A VPC must be configured and the infrastructure to be represented by the host must already be connected to the VPC.

Type: VpcConfiguration (p. 34) object

Required: No

Response Syntax

```
{
   "HostArn": "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.

HostArn (p. 7)

The Amazon Resource Name (ARN) of the host to be created.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:codestar-connections:.+:[0-9]{12}:host\/.+`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 38).

LimitExceededException

Exceeded the maximum limit for connections.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteConnection

The connection to be deleted.

Request Syntax

```
{
   "ConnectionArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 36).

The request accepts the following data in JSON format.

ConnectionArn (p. 9)

The Amazon Resource Name (ARN) of the connection to be deleted.

Note
The ARN is never reused if the connection is deleted.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:.+:.+:[0-9]{12}:.+`

Required: Yes

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 (p. 38).

ResourceNotFoundException

Resource not found. Verify the connection resource ARN and try again.

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
- AWS SDK for .NET
- AWS SDK for C++

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

DeleteHost

The host to be deleted. Before you delete a host, all connections associated to the host must be deleted.

Note
A host cannot be deleted if it is in the VPC_CONFIG_INITIALIZING or VPC_CONFIG_DELETING state.

Request Syntax

```
{
   "HostArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 36).

The request accepts the following data in JSON format.

HostArn (p. 11)

The Amazon Resource Name (ARN) of the host to be deleted.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:codestar-connections:.+:[0-9]{12}:host\/.+`

Required: Yes

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 (p. 38).

ResourceNotFoundException

Resource not found. Verify the connection resource ARN and try again.

HTTP Status Code: 400

ResourceUnavailableException

Resource not found. Verify the ARN for the host resource and try again.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetConnection

Returns the connection ARN and details such as status, owner, and provider type.

Request Syntax

```
{
   "ConnectionArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 36).

The request accepts the following data in JSON format.

ConnectionArn (p. 13)

The Amazon Resource Name (ARN) of a connection.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:.+:.+:[0-9]{12}:.+`

Required: Yes

Response Syntax

```
{
   "Connection": {
      "ConnectionArn": "string",
      "ConnectionName": "string",
      "ConnectionStatus": "string",
      "HostArn": "string",
      "OwnerAccountId": "string",
      "ProviderType": "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.

Connection (p. 13)

The connection details, such as status, owner, and provider type.

Type: Connection (p. 29) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 38).

ResourceNotFoundException

Resource not found. Verify the connection resource ARN and try again.

HTTP Status Code: 400

ResourceUnavailableException

Resource not found. Verify the ARN for the host resource and try again.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetHost

Returns the host ARN and details such as status, provider type, endpoint, and, if applicable, the VPC configuration.

Request Syntax

```
{
   "HostArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 36).

The request accepts the following data in JSON format.

HostArn (p. 15)

The Amazon Resource Name (ARN) of the requested host.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:codestar-connections:.+:[0-9]{12}:host\/.+`

Required: Yes

Response Syntax

```
{
   "Name": "string",
   "ProviderEndpoint": "string",
   "ProviderType": "string",
   "Status": "string",
   "VpcConfiguration": {
      "SecurityGroupIds": [ "string" ],
      "SubnetIds": [ "string" ],
      "TlsCertificate": "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.

Name (p. 15)

The name of the requested host.

Type: String

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

ProviderEndpoint (p. 15)

The endpoint of the infrastructure represented by the requested host.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

ProviderType (p. 15)

The provider type of the requested host, such as GitHub Enterprise Server.

Type: String

Valid Values: `Bitbucket | GitHub | GitHubEnterpriseServer`

Status (p. 15)

The status of the requested host.

Type: String

VpcConfiguration (p. 15)

The VPC configuration of the requested host.

Type: VpcConfiguration (p. 34) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 38).

ResourceNotFoundException

Resource not found. Verify the connection resource ARN and try again.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListConnections

Lists the connections associated with your account.

Request Syntax

```
{
   "HostArnFilter": "string",
   "MaxResults": number,
   "NextToken": "string",
   "ProviderTypeFilter": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 36).

The request accepts the following data in JSON format.

HostArnFilter (p. 17)

Filters the list of connections to those associated with a specified host.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:codestar-connections:.+:[0-9]{12}:host\/.+`

Required: No

MaxResults (p. 17)

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

Type: Integer

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

Required: No

NextToken (p. 17)

The token that was returned from the previous `ListConnections` call, which can be used to return the next set of connections in the list.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

ProviderTypeFilter (p. 17)

Filters the list of connections to those associated with a specified provider, such as Bitbucket.

Type: String

Valid Values: `Bitbucket | GitHub | GitHubEnterpriseServer`

Required: No

Response Syntax

```
{
   "Connections": [
      {
         "ConnectionArn": "string",
         "ConnectionName": "string",
         "ConnectionStatus": "string",
         "HostArn": "string",
         "OwnerAccountId": "string",
         "ProviderType": "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.

Connections (p. 18)

A list of connections and the details for each connection, such as status, owner, and provider type.

Type: Array of Connection (p. 29) objects

NextToken (p. 18)

A token that can be used in the next `ListConnections` call. To view all items in the list, continue to call this operation with each subsequent token until no more `nextToken` values are returned.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 38).

See Also

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

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

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListHosts

Lists the hosts associated with your account.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 36).

The request accepts the following data in JSON format.

MaxResults (p. 20)

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

Type: Integer

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

Required: No

NextToken (p. 20)

The token that was returned from the previous `ListHosts` call, which can be used to return the next set of hosts in the list.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

Response Syntax

```
{
   "Hosts": [
      {
         "HostArn": "string",
         "Name": "string",
         "ProviderEndpoint": "string",
         "ProviderType": "string",
         "Status": "string",
         "StatusMessage": "string",
         "VpcConfiguration": {
            "SecurityGroupIds": [ "string" ],
            "SubnetIds": [ "string" ],
            "TlsCertificate": "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.

Hosts (p. 20)

A list of hosts and the details for each host, such as status, endpoint, and provider type.

Type: Array of Host (p. 31) objects

NextToken (p. 20)

A token that can be used in the next `ListHosts` call. To view all items in the list, continue to call this operation with each subsequent token until no more `nextToken` values are returned.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 38).

See Also

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

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

ListTagsForResource

Gets the set of key-value pairs (metadata) that are used to manage the resource.

Request Syntax

```
{
   "ResourceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 36).

The request accepts the following data in JSON format.

ResourceArn (p. 22)

The Amazon Resource Name (ARN) of the resource for which you want to get information about tags, if any.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

Response Syntax

```
{
   "Tags": [
      {
         "Key": "string",
         "Value": "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 (p. 22)

A list of tag key and value pairs associated with the specified resource.

Type: Array of Tag (p. 33) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 38).

ResourceNotFoundException

Resource not found. Verify the connection resource ARN and try again.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

Adds to or modifies the tags of the given resource. Tags are metadata that can be used to manage a resource.

Request Syntax

```
{
   "ResourceArn": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 36).

The request accepts the following data in JSON format.

ResourceArn (p. 24)

The Amazon Resource Name (ARN) of the resource to which you want to add or update tags.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

Tags (p. 24)

The tags you want to modify or add to the resource.

Type: Array of Tag (p. 33) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: Yes

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 (p. 38).

LimitExceededException

Exceeded the maximum limit for connections.

HTTP Status Code: 400

ResourceNotFoundException

Resource not found. Verify the connection resource ARN and try again.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UntagResource

Removes tags from an AWS resource.

Request Syntax

```
{
   "ResourceArn": "string",
   "TagKeys": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 36).

The request accepts the following data in JSON format.

ResourceArn (p. 26)

The Amazon Resource Name (ARN) of the resource to remove tags from.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

TagKeys (p. 26)

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

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 200 items.

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

Required: Yes

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 (p. 38).

ResourceNotFoundException

Resource not found. Verify the connection resource ARN and try again.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Data Types

The AWS CodeStar connections 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:

Connection

A resource that is used to connect third-party source providers with services like AWS CodePipeline.

Note: A connection created through CloudFormation, the CLI, or the SDK is in `PENDING` status by default. You can make its status `AVAILABLE` by updating the connection in the console.

Contents

ConnectionArn

The Amazon Resource Name (ARN) of the connection. The ARN is used as the connection reference when the connection is shared between AWS services.

Note
The ARN is never reused if the connection is deleted.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:.+:.+:[0-9]{12}:.+`

Required: No

ConnectionName

The name of the connection. Connection names must be unique in an AWS user account.

Type: String

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

Required: No

ConnectionStatus

The current status of the connection.

Type: String

Valid Values: `PENDING | AVAILABLE | ERROR`

Required: No

HostArn

The Amazon Resource Name (ARN) of the host associated with the connection.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:codestar-connections:.+:[0-9]{12}:host\/.+`

Required: No

OwnerAccountId

The identifier of the external provider where your third-party code repository is configured. For Bitbucket, this is the account ID of the owner of the Bitbucket repository.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: No

ProviderType

The name of the external provider where your third-party code repository is configured.

Type: String

Valid Values: `Bitbucket | GitHub | GitHubEnterpriseServer`

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V3

Host

A resource that represents the infrastructure where a third-party provider is installed. The host is used when you create connections to an installed third-party provider type, such as GitHub Enterprise Server. You create one host for all connections to that provider.

Note
A host created through the CLI or the SDK is in `PENDING` status by default. You can make its status `AVAILABLE` by setting up the host in the console.

Contents

HostArn

The Amazon Resource Name (ARN) of the host.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:codestar-connections:.+:[0-9]{12}:host\/.+`

Required: No

Name

The name of the host.

Type: String

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

Required: No

ProviderEndpoint

The endpoint of the infrastructure where your provider type is installed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

ProviderType

The name of the installed provider to be associated with your connection. The host resource represents the infrastructure where your provider type is installed. The valid provider type is GitHub Enterprise Server.

Type: String

Valid Values: `Bitbucket | GitHub | GitHubEnterpriseServer`

Required: No

Status

The status of the host, such as PENDING, AVAILABLE, VPC_CONFIG_DELETING, VPC_CONFIG_INITIALIZING, and VPC_CONFIG_FAILED_INITIALIZATION.

Type: String

Required: No

StatusMessage

The status description for the host.

Type: String

Required: No

VpcConfiguration

The VPC configuration provisioned for the host.

Type: VpcConfiguration (p. 34) object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3

Tag

A tag is a key-value pair that is used to manage the resource.

This tag is available for use by AWS services that support tags.

Contents

Key

The tag's key.

Type: String

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

Required: Yes

Value

The tag's value.

Type: String

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

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V3

VpcConfiguration

The VPC configuration provisioned for the host.

Contents

SecurityGroupIds

The ID of the security group or security groups associated with the Amazon VPC connected to the infrastructure where your provider type is installed.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Pattern: `sg-\w{8}(\w{9})?`

Required: Yes

SubnetIds

The ID of the subnet or subnets associated with the Amazon VPC connected to the infrastructure where your provider type is installed.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Pattern: `subnet-\w{8}(\w{9})?`

Required: Yes

TlsCertificate

The value of the Transport Layer Security (TLS) certificate associated with the infrastructure where your provider type is installed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 16384.

Required: No

VpcId

The ID of the Amazon VPC connected to the infrastructure where your provider type is installed.

Type: String

Pattern: `vpc-\w{8}(\w{9})?`

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 Go

- AWS SDK for Java
- 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 Signature Version 4 Signing Process in the *Amazon Web Services General Reference*.

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 Task 2: Create a String to Sign for Signature Version 4 in the *Amazon Web Services General Reference*.

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 Handling Dates in Signature Version 4 in the *Amazon Web Services General Reference*.

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 Security Token Service, go to AWS Services That Work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from the AWS Security Token Service, 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 Task 1: Create a Canonical Request For Signature Version 4 in the *Amazon Web Services General Reference*.

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

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

An invalid or out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

InvalidQueryParameter

The AWS query string is malformed or does not adhere to AWS standards.

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400

MissingAuthenticationToken

The request must contain either a valid (registered) AWS access key ID or X.509 certificate.

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

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