
Amazon MSK Connect

API Reference

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Amazon MSK Connect: API Reference

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Welcome

This document was last published on May 20, 2022.

Actions

The following actions are supported:

- [CreateConnector](#) (p. 3)
- [CreateCustomPlugin](#) (p. 8)
- [CreateWorkerConfiguration](#) (p. 12)
- [DeleteConnector](#) (p. 15)
- [DeleteCustomPlugin](#) (p. 18)
- [DescribeConnector](#) (p. 21)
- [DescribeCustomPlugin](#) (p. 26)
- [DescribeWorkerConfiguration](#) (p. 29)
- [ListConnectors](#) (p. 32)
- [ListCustomPlugins](#) (p. 36)
- [ListWorkerConfigurations](#) (p. 39)
- [UpdateConnector](#) (p. 42)

CreateConnector

Creates a connector using the specified properties.

Request Syntax

```
POST /v1/connectors HTTP/1.1
Content-type: application/json

{
  "capacity": {
    "autoScaling": {
      "maxWorkerCount": number,
      "mcuCount": number,
      "minWorkerCount": number,
      "scaleInPolicy": {
        "cpuUtilizationPercentage": number
      },
      "scaleOutPolicy": {
        "cpuUtilizationPercentage": number
      }
    },
    "provisionedCapacity": {
      "mcuCount": number,
      "workerCount": number
    }
  },
  "connectorConfiguration": {
    "string" : "string"
  },
  "connectorDescription": "string",
  "connectorName": "string",
  "kafkaCluster": {
    "apacheKafkaCluster": {
      "bootstrapServers": "string",
      "vpc": {
        "securityGroups": [ "string" ],
        "subnets": [ "string" ]
      }
    }
  },
  "kafkaClusterClientAuthentication": {
    "authenticationType": "string"
  },
  "kafkaClusterEncryptionInTransit": {
    "encryptionType": "string"
  },
  "kafkaConnectVersion": "string",
  "logDelivery": {
    "workerLogDelivery": {
      "cloudWatchLogs": {
        "enabled": boolean,
        "logGroup": "string"
      },
      "firehose": {
        "deliveryStream": "string",
        "enabled": boolean
      },
      "s3": {
        "bucket": "string",
        "enabled": boolean,
        "prefix": "string"
      }
    }
  }
}
```

```
    }  
  },  
  "plugins": [  
    {  
      "customPlugin": {  
        "customPluginArn": "string",  
        "revision": number  
      }  
    }  
  ],  
  "serviceExecutionRoleArn": "string",  
  "workerConfiguration": {  
    "revision": number,  
    "workerConfigurationArn": "string"  
  }  
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

capacity (p. 3)

Information about the capacity allocated to the connector. Exactly one of the two properties must be specified.

Type: [Capacity \(p. 54\)](#) object

Required: Yes

connectorConfiguration (p. 3)

A map of keys to values that represent the configuration for the connector.

Type: String to string map

Required: Yes

connectorDescription (p. 3)

A summary description of the connector.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

connectorName (p. 3)

The name of the connector.

Type: String

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

Required: Yes

kafkaCluster (p. 3)

Specifies which Apache Kafka cluster to connect to.

Type: [KafkaCluster \(p. 73\)](#) object

Required: Yes

kafkaClusterClientAuthentication (p. 3)

Details of the client authentication used by the Apache Kafka cluster.

Type: [KafkaClusterClientAuthentication \(p. 74\)](#) object

Required: Yes

kafkaClusterEncryptionInTransit (p. 3)

Details of encryption in transit to the Apache Kafka cluster.

Type: [KafkaClusterEncryptionInTransit \(p. 77\)](#) object

Required: Yes

kafkaConnectVersion (p. 3)

The version of Kafka Connect. It has to be compatible with both the Apache Kafka cluster's version and the plugins.

Type: String

Required: Yes

logDelivery (p. 3)

Details about log delivery.

Type: [LogDelivery \(p. 79\)](#) object

Required: No

plugins (p. 3)

Important

Amazon MSK Connect does not currently support specifying multiple plugins as a list. To use more than one plugin for your connector, you can create a single custom plugin using a ZIP file that bundles multiple plugins together.

Specifies which plugin to use for the connector. You must specify a single-element list containing one `customPlugin` object.

Type: Array of [Plugin \(p. 81\)](#) objects

Required: Yes

serviceExecutionRoleArn (p. 3)

The Amazon Resource Name (ARN) of the IAM role used by the connector to access the Amazon Web Services resources that it needs. The types of resources depends on the logic of the connector. For example, a connector that has Amazon S3 as a destination must have permissions that allow it to write to the S3 destination bucket.

Type: String

Required: Yes

[workerConfiguration \(p. 3\)](#)

Specifies which worker configuration to use with the connector.

Type: [WorkerConfiguration \(p. 99\)](#) object

Required: No

Response Syntax

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

{
  "connectorArn": "string",
  "connectorName": "string",
  "connectorState": "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.

[connectorArn \(p. 6\)](#)

The Amazon Resource Name (ARN) that Amazon assigned to the connector.

Type: String

[connectorName \(p. 6\)](#)

The name of the connector.

Type: String

[connectorState \(p. 6\)](#)

The state of the connector.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 108\)](#).

BadRequestException

HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 400

ConflictException

HTTP Status Code 409: Conflict. A resource with this name already exists. Retry your request with another name.

HTTP Status Code: 409

ForbiddenException

HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

HTTP Status Code: 403

InternalServerErrorException

HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

HTTP Status Code: 500

NotFoundException

HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 404

ServiceUnavailableException

HTTP Status Code 503: Service Unavailable. Retrying your request in some time might resolve the issue.

HTTP Status Code: 503

TooManyRequestsException

HTTP Status Code 429: Limit exceeded. Resource limit reached.

HTTP Status Code: 429

UnauthorizedException

HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.

HTTP Status Code: 401

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

CreateCustomPlugin

Creates a custom plugin using the specified properties.

Request Syntax

```
POST /v1/custom-plugins HTTP/1.1
Content-type: application/json

{
  "contentType": "string",
  "description": "string",
  "location": {
    "s3Location": {
      "bucketArn": "string",
      "fileKey": "string",
      "objectVersion": "string"
    }
  },
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

contentType (p. 8)

The type of the plugin file.

Type: String

Valid Values: JAR | ZIP

Required: Yes

description (p. 8)

A summary description of the custom plugin.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

location (p. 8)

Information about the location of a custom plugin.

Type: [CustomPluginLocation](#) (p. 65) object

Required: Yes

name (p. 8)

The name of the custom plugin.

Type: String

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

Required: Yes

Response Syntax

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

{
  "customPluginArn": "string",
  "customPluginState": "string",
  "name": "string",
  "revision": number
}
```

Response Elements

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

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

customPluginArn (p. 9)

The Amazon Resource Name (ARN) that Amazon assigned to the custom plugin.

Type: String

customPluginState (p. 9)

The state of the custom plugin.

Type: String

Valid Values: CREATING | CREATE_FAILED | ACTIVE | UPDATING | UPDATE_FAILED | DELETING

name (p. 9)

The name of the custom plugin.

Type: String

revision (p. 9)

The revision of the custom plugin.

Type: Long

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 108).

BadRequestException

HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 400

ConflictException

HTTP Status Code 409: Conflict. A resource with this name already exists. Retry your request with another name.

HTTP Status Code: 409

ForbiddenException

HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

HTTP Status Code: 403

InternalServerErrorException

HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

HTTP Status Code: 500

NotFoundException

HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 404

ServiceUnavailableException

HTTP Status Code 503: Service Unavailable. Retrying your request in some time might resolve the issue.

HTTP Status Code: 503

TooManyRequestsException

HTTP Status Code 429: Limit exceeded. Resource limit reached.

HTTP Status Code: 429

UnauthorizedException

HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.

HTTP Status Code: 401

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

CreateWorkerConfiguration

Creates a worker configuration using the specified properties.

Request Syntax

```
POST /v1/worker-configurations HTTP/1.1
Content-type: application/json

{
  "description": "string",
  "name": "string",
  "propertiesFileContent": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[description \(p. 12\)](#)

A summary description of the worker configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

[name \(p. 12\)](#)

The name of the worker configuration.

Type: String

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

Required: Yes

[propertiesFileContent \(p. 12\)](#)

Base64 encoded contents of connect-distributed.properties file.

Type: String

Required: Yes

Response Syntax

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

```
{
  "creationTime": number,
  "latestRevision": {
    "creationTime": number,
    "description": "string",
    "revision": number
  },
  "name": "string",
  "workerConfigurationArn": "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.

creationTime (p. 12)

The time that the worker configuration was created.

Type: Timestamp

latestRevision (p. 12)

The latest revision of the worker configuration.

Type: [WorkerConfigurationRevisionSummary](#) (p. 102) object

name (p. 12)

The name of the worker configuration.

Type: String

workerConfigurationArn (p. 12)

The Amazon Resource Name (ARN) that Amazon assigned to the worker configuration.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 108).

BadRequestException

HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 400

ConflictException

HTTP Status Code 409: Conflict. A resource with this name already exists. Retry your request with another name.

HTTP Status Code: 409

ForbiddenException

HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

HTTP Status Code: 403

InternalServerErrorException

HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

HTTP Status Code: 500

NotFoundException

HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 404

ServiceUnavailableException

HTTP Status Code 503: Service Unavailable. Retrying your request in some time might resolve the issue.

HTTP Status Code: 503

TooManyRequestsException

HTTP Status Code 429: Limit exceeded. Resource limit reached.

HTTP Status Code: 429

UnauthorizedException

HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.

HTTP Status Code: 401

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

DeleteConnector

Deletes the specified connector.

Request Syntax

```
DELETE /v1/connectors/connectorArn?currentVersion=currentVersion HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

connectorArn (p. 15)

The Amazon Resource Name (ARN) of the connector that you want to delete.

Required: Yes

currentVersion (p. 15)

The current version of the connector that you want to delete.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "connectorArn": "string",
  "connectorState": "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.

connectorArn (p. 15)

The Amazon Resource Name (ARN) of the connector that you requested to delete.

Type: String

connectorState (p. 15)

The state of the connector that you requested to delete.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 108\)](#).

BadRequestException

HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 400

ForbiddenException

HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

HTTP Status Code: 403

InternalServerErrorException

HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

HTTP Status Code: 500

NotFoundException

HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 404

ServiceUnavailableException

HTTP Status Code 503: Service Unavailable. Retrying your request in some time might resolve the issue.

HTTP Status Code: 503

TooManyRequestsException

HTTP Status Code 429: Limit exceeded. Resource limit reached.

HTTP Status Code: 429

UnauthorizedException

HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.

HTTP Status Code: 401

See Also

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

- [AWS Command Line Interface](#)
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- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

DeleteCustomPlugin

Deletes a custom plugin.

Request Syntax

```
DELETE /v1/custom-plugins/customPluginArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

customPluginArn (p. 18)

The Amazon Resource Name (ARN) of the custom plugin that you want to delete.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "customPluginArn": "string",
  "customPluginState": "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.

customPluginArn (p. 18)

The Amazon Resource Name (ARN) of the custom plugin that you requested to delete.

Type: String

customPluginState (p. 18)

The state of the custom plugin.

Type: String

Valid Values: CREATING | CREATE_FAILED | ACTIVE | UPDATING | UPDATE_FAILED | DELETING

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 108\)](#).

BadRequestException

HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 400

ForbiddenException

HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

HTTP Status Code: 403

InternalServerErrorException

HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

HTTP Status Code: 500

NotFoundException

HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 404

ServiceUnavailableException

HTTP Status Code 503: Service Unavailable. Retrying your request in some time might resolve the issue.

HTTP Status Code: 503

TooManyRequestsException

HTTP Status Code 429: Limit exceeded. Resource limit reached.

HTTP Status Code: 429

UnauthorizedException

HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.

HTTP Status Code: 401

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

- [AWS SDK for Ruby V3](#)

DescribeConnector

Returns summary information about the connector.

Request Syntax

```
GET /v1/connectors/connectorArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

connectorArn (p. 21)

The Amazon Resource Name (ARN) of the connector that you want to describe.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "capacity": {
    "autoScaling": {
      "maxWorkerCount": number,
      "mcuCount": number,
      "minWorkerCount": number,
      "scaleInPolicy": {
        "cpuUtilizationPercentage": number
      },
      "scaleOutPolicy": {
        "cpuUtilizationPercentage": number
      }
    },
    "provisionedCapacity": {
      "mcuCount": number,
      "workerCount": number
    }
  },
  "connectorArn": "string",
  "connectorConfiguration": {
    "string": "string"
  },
  "connectorDescription": "string",
  "connectorName": "string",
  "connectorState": "string",
  "creationTime": number,
  "currentVersion": "string",
  "kafkaCluster": {
    "apacheKafkaCluster": {
      "bootstrapServers": "string",
```

```

        "vpc": {
            "securityGroups": [ "string" ],
            "subnets": [ "string" ]
        }
    },
    "kafkaClusterClientAuthentication": {
        "authenticationType": "string"
    },
    "kafkaClusterEncryptionInTransit": {
        "encryptionType": "string"
    },
    "kafkaConnectVersion": "string",
    "logDelivery": {
        "workerLogDelivery": {
            "cloudWatchLogs": {
                "enabled": boolean,
                "logGroup": "string"
            },
            "firehose": {
                "deliveryStream": "string",
                "enabled": boolean
            },
            "s3": {
                "bucket": "string",
                "enabled": boolean,
                "prefix": "string"
            }
        }
    },
    "plugins": [
        {
            "customPlugin": {
                "customPluginArn": "string",
                "revision": number
            }
        }
    ],
    "serviceExecutionRoleArn": "string",
    "stateDescription": {
        "code": "string",
        "message": "string"
    },
    "workerConfiguration": {
        "revision": number,
        "workerConfigurationArn": "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.

capacity (p. 21)

Information about the capacity of the connector, whether it is auto scaled or provisioned.

Type: [CapacityDescription \(p. 55\)](#) object

connectorArn (p. 21)

The Amazon Resource Name (ARN) of the connector.

Type: String

connectorConfiguration (p. 21)

A map of keys to values that represent the configuration for the connector.

Type: String to string map

connectorDescription (p. 21)

A summary description of the connector.

Type: String

connectorName (p. 21)

The name of the connector.

Type: String

connectorState (p. 21)

The state of the connector.

Type: String

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

creationTime (p. 21)

The time the connector was created.

Type: Timestamp

currentVersion (p. 21)

The current version of the connector.

Type: String

kafkaCluster (p. 21)

The Apache Kafka cluster that the connector is connected to.

Type: [KafkaClusterDescription \(p. 76\)](#) object

kafkaClusterClientAuthentication (p. 21)

The type of client authentication used to connect to the Apache Kafka cluster. The value is `NONE` when no client authentication is used.

Type: [KafkaClusterClientAuthenticationDescription \(p. 75\)](#) object

kafkaClusterEncryptionInTransit (p. 21)

Details of encryption in transit to the Apache Kafka cluster.

Type: [KafkaClusterEncryptionInTransitDescription \(p. 78\)](#) object

kafkaConnectVersion (p. 21)

The version of Kafka Connect. It has to be compatible with both the Apache Kafka cluster's version and the plugins.

Type: String

logDelivery (p. 21)

Details about delivering logs to Amazon CloudWatch Logs.

Type: [LogDeliveryDescription](#) (p. 80) object
plugins (p. 21)

Specifies which plugins were used for this connector.

Type: Array of [PluginDescription](#) (p. 82) objects
serviceExecutionRoleArn (p. 21)

The Amazon Resource Name (ARN) of the IAM role used by the connector to access Amazon Web Services resources.

Type: String
stateDescription (p. 21)

Details about the state of a connector.

Type: [StateDescription](#) (p. 96) object
workerConfiguration (p. 21)

Specifies which worker configuration was used for the connector.

Type: [WorkerConfigurationDescription](#) (p. 100) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 108).

BadRequestException

HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 400

ForbiddenException

HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

HTTP Status Code: 403

InternalServerErrorException

HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

HTTP Status Code: 500

NotFoundException

HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 404

ServiceUnavailableException

HTTP Status Code 503: Service Unavailable. Retrying your request in some time might resolve the issue.

HTTP Status Code: 503

TooManyRequestsException

HTTP Status Code 429: Limit exceeded. Resource limit reached.

HTTP Status Code: 429

UnauthorizedException

HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.

HTTP Status Code: 401

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

DescribeCustomPlugin

A summary description of the custom plugin.

Request Syntax

```
GET /v1/custom-plugins/customPluginArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

customPluginArn (p. 26)

Returns information about a custom plugin.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "creationTime": number,
  "customPluginArn": "string",
  "customPluginState": "string",
  "description": "string",
  "latestRevision": {
    "contentType": "string",
    "creationTime": number,
    "description": "string",
    "fileDescription": {
      "fileMd5": "string",
      "fileSize": number
    },
    "location": {
      "s3Location": {
        "bucketArn": "string",
        "fileKey": "string",
        "objectVersion": "string"
      }
    },
    "revision": number
  },
  "name": "string",
  "stateDescription": {
    "code": "string",
    "message": "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.

creationTime (p. 26)

The time that the custom plugin was created.

Type: Timestamp

customPluginArn (p. 26)

The Amazon Resource Name (ARN) of the custom plugin.

Type: String

customPluginState (p. 26)

The state of the custom plugin.

Type: String

Valid Values: `CREATING` | `CREATE_FAILED` | `ACTIVE` | `UPDATING` | `UPDATE_FAILED` | `DELETING`

description (p. 26)

The description of the custom plugin.

Type: String

latestRevision (p. 26)

The latest successfully created revision of the custom plugin. If there are no successfully created revisions, this field will be absent.

Type: [CustomPluginRevisionSummary](#) (p. 67) object

name (p. 26)

The name of the custom plugin.

Type: String

stateDescription (p. 26)

Details about the state of a custom plugin.

Type: [StateDescription](#) (p. 96) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 108).

BadRequestException

HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 400

ForbiddenException

HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

HTTP Status Code: 403

InternalServerErrorException

HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

HTTP Status Code: 500

NotFoundException

HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 404

ServiceUnavailableException

HTTP Status Code 503: Service Unavailable. Retrying your request in some time might resolve the issue.

HTTP Status Code: 503

TooManyRequestsException

HTTP Status Code 429: Limit exceeded. Resource limit reached.

HTTP Status Code: 429

UnauthorizedException

HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.

HTTP Status Code: 401

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

DescribeWorkerConfiguration

Returns information about a worker configuration.

Request Syntax

```
GET /v1/worker-configurations/workerConfigurationArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

workerConfigurationArn (p. 29)

The Amazon Resource Name (ARN) of the worker configuration that you want to get information about.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "creationTime": number,
  "description": "string",
  "latestRevision": {
    "creationTime": number,
    "description": "string",
    "propertiesFileContent": "string",
    "revision": number
  },
  "name": "string",
  "workerConfigurationArn": "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.

creationTime (p. 29)

The time that the worker configuration was created.

Type: Timestamp

description (p. 29)

The description of the worker configuration.

Type: String

latestRevision (p. 29)

The latest revision of the custom configuration.

Type: [WorkerConfigurationRevisionDescription \(p. 101\)](#) object

name (p. 29)

The name of the worker configuration.

Type: String

workerConfigurationArn (p. 29)

The Amazon Resource Name (ARN) of the custom configuration.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 108\)](#).

BadRequestException

HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 400

ForbiddenException

HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

HTTP Status Code: 403

InternalServerErrorException

HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

HTTP Status Code: 500

NotFoundException

HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 404

ServiceUnavailableException

HTTP Status Code 503: Service Unavailable. Retrying your request in some time might resolve the issue.

HTTP Status Code: 503

TooManyRequestsException

HTTP Status Code 429: Limit exceeded. Resource limit reached.

HTTP Status Code: 429

UnauthorizedException

HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.

HTTP Status Code: 401

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

ListConnectors

Returns a list of all the connectors in this account and Region. The list is limited to connectors whose name starts with the specified prefix. The response also includes a description of each of the listed connectors.

Request Syntax

```
GET /v1/connectors?  
connectorNamePrefix=connectorNamePrefix&maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

connectorNamePrefix (p. 32)

The name prefix that you want to use to search for and list connectors.

maxResults (p. 32)

The maximum number of connectors to list in one response.

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

nextToken (p. 32)

If the response of a ListConnectors operation is truncated, it will include a NextToken. Send this NextToken in a subsequent request to continue listing from where the previous operation left off.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json  
  
{  
  "connectors": [  
    {  
      "capacity": {  
        "autoScaling": {  
          "maxWorkerCount": number,  
          "mcuCount": number,  
          "minWorkerCount": number,  
          "scaleInPolicy": {  
            "cpuUtilizationPercentage": number  
          },  
          "scaleOutPolicy": {  
            "cpuUtilizationPercentage": number  
          }  
        },  
        "provisionedCapacity": {  
          "mcuCount": number,  
          "workerCount": number  
        }  
      }  
    }  
  ]  
}
```

```

    }
  },
  "connectorArn": "string",
  "connectorDescription": "string",
  "connectorName": "string",
  "connectorState": "string",
  "creationTime": number,
  "currentVersion": "string",
  "kafkaCluster": {
    "apacheKafkaCluster": {
      "bootstrapServers": "string",
      "vpc": {
        "securityGroups": [ "string" ],
        "subnets": [ "string" ]
      }
    }
  },
  "kafkaClusterClientAuthentication": {
    "authenticationType": "string"
  },
  "kafkaClusterEncryptionInTransit": {
    "encryptionType": "string"
  },
  "kafkaConnectVersion": "string",
  "logDelivery": {
    "workerLogDelivery": {
      "cloudWatchLogs": {
        "enabled": boolean,
        "logGroup": "string"
      },
      "firehose": {
        "deliveryStream": "string",
        "enabled": boolean
      },
      "s3": {
        "bucket": "string",
        "enabled": boolean,
        "prefix": "string"
      }
    }
  },
  "plugins": [
    {
      "customPlugin": {
        "customPluginArn": "string",
        "revision": number
      }
    }
  ],
  "serviceExecutionRoleArn": "string",
  "workerConfiguration": {
    "revision": number,
    "workerConfigurationArn": "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.

[connectors \(p. 32\)](#)

An array of connector descriptions.

Type: Array of [ConnectorSummary \(p. 59\)](#) objects

[nextToken \(p. 32\)](#)

If the response of a ListConnectors operation is truncated, it will include a NextToken. Send this NextToken in a subsequent request to continue listing from where it left off.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 108\)](#).

BadRequestException

HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 400

ForbiddenException

HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

HTTP Status Code: 403

InternalServerErrorException

HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

HTTP Status Code: 500

NotFoundException

HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 404

ServiceUnavailableException

HTTP Status Code 503: Service Unavailable. Retrying your request in some time might resolve the issue.

HTTP Status Code: 503

TooManyRequestsException

HTTP Status Code 429: Limit exceeded. Resource limit reached.

HTTP Status Code: 429

UnauthorizedException

HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.

HTTP Status Code: 401

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

ListCustomPlugins

Returns a list of all of the custom plugins in this account and Region.

Request Syntax

```
GET /v1/custom-plugins?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults (p. 36)

The maximum number of custom plugins to list in one response.

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

nextToken (p. 36)

If the response of a ListCustomPlugins operation is truncated, it will include a NextToken. Send this NextToken in a subsequent request to continue listing from where the previous operation left off.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "customPlugins": [
    {
      "creationTime": number,
      "customPluginArn": "string",
      "customPluginState": "string",
      "description": "string",
      "latestRevision": {
        "contentType": "string",
        "creationTime": number,
        "description": "string",
        "fileDescription": {
          "fileMd5": "string",
          "fileSize": number
        },
        "location": {
          "s3Location": {
            "bucketArn": "string",
            "fileKey": "string",
            "objectVersion": "string"
          }
        },
        "revision": number
      },
    },
  ],
}
```

```
    "name": "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.

customPlugins (p. 36)

An array of custom plugin descriptions.

Type: Array of [CustomPluginSummary \(p. 69\)](#) objects

nextToken (p. 36)

If the response of a ListCustomPlugins operation is truncated, it will include a NextToken. Send this NextToken in a subsequent request to continue listing from where the previous operation left off.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 108\)](#).

BadRequestException

HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 400

ForbiddenException

HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

HTTP Status Code: 403

InternalServerErrorException

HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

HTTP Status Code: 500

NotFoundException

HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 404

ServiceUnavailableException

HTTP Status Code 503: Service Unavailable. Retrying your request in some time might resolve the issue.

HTTP Status Code: 503

TooManyRequestsException

HTTP Status Code 429: Limit exceeded. Resource limit reached.

HTTP Status Code: 429

UnauthorizedException

HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.

HTTP Status Code: 401

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

ListWorkerConfigurations

Returns a list of all of the worker configurations in this account and Region.

Request Syntax

```
GET /v1/worker-configurations?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults (p. 39)

The maximum number of worker configurations to list in one response.

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

nextToken (p. 39)

If the response of a ListWorkerConfigurations operation is truncated, it will include a NextToken. Send this NextToken in a subsequent request to continue listing from where the previous operation left off.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "workerConfigurations": [
    {
      "creationTime": number,
      "description": "string",
      "latestRevision": {
        "creationTime": number,
        "description": "string",
        "revision": number
      },
      "name": "string",
      "workerConfigurationArn": "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 (p. 39)

If the response of a ListWorkerConfigurations operation is truncated, it will include a NextToken. Send this NextToken in a subsequent request to continue listing from where the previous operation left off.

Type: String

workerConfigurations (p. 39)

An array of worker configuration descriptions.

Type: Array of [WorkerConfigurationSummary \(p. 103\)](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 108\)](#).

BadRequestException

HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 400

ForbiddenException

HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

HTTP Status Code: 403

InternalServerErrorException

HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

HTTP Status Code: 500

NotFoundException

HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 404

ServiceUnavailableException

HTTP Status Code 503: Service Unavailable. Retrying your request in some time might resolve the issue.

HTTP Status Code: 503

TooManyRequestsException

HTTP Status Code 429: Limit exceeded. Resource limit reached.

HTTP Status Code: 429

UnauthorizedException

HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.

HTTP Status Code: 401

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

UpdateConnector

Updates the specified connector.

Request Syntax

```
PUT /v1/connectors/connectorArn?currentVersion=currentVersion HTTP/1.1  
Content-type: application/json
```

```
{  
  "capacity": {  
    "autoScaling": {  
      "maxWorkerCount": number,  
      "mcuCount": number,  
      "minWorkerCount": number,  
      "scaleInPolicy": {  
        "cpuUtilizationPercentage": number  
      },  
      "scaleOutPolicy": {  
        "cpuUtilizationPercentage": number  
      }  
    },  
    "provisionedCapacity": {  
      "mcuCount": number,  
      "workerCount": number  
    }  
  }  
}
```

URI Request Parameters

The request uses the following URI parameters.

connectorArn (p. 42)

The Amazon Resource Name (ARN) of the connector that you want to update.

Required: Yes

currentVersion (p. 42)

The current version of the connector that you want to update.

Required: Yes

Request Body

The request accepts the following data in JSON format.

capacity (p. 42)

The target capacity.

Type: [CapacityUpdate](#) (p. 56) object

Required: Yes

Response Syntax

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

{
  "connectorArn": "string",
  "connectorState": "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.

connectorArn (p. 43)

The Amazon Resource Name (ARN) of the connector.

Type: String

connectorState (p. 43)

The state of the connector.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 108\)](#).

BadRequestException

HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 400

ForbiddenException

HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

HTTP Status Code: 403

InternalServerErrorException

HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

HTTP Status Code: 500

NotFoundException

HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

HTTP Status Code: 404

ServiceUnavailableException

HTTP Status Code 503: Service Unavailable. Retrying your request in some time might resolve the issue.

HTTP Status Code: 503

TooManyRequestsException

HTTP Status Code 429: Limit exceeded. Resource limit reached.

HTTP Status Code: 429

UnauthorizedException

HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.

HTTP Status Code: 401

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

Data Types

The Managed Streaming for Kafka Connect 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:

- [ApacheKafkaCluster](#) (p. 47)
- [ApacheKafkaClusterDescription](#) (p. 48)
- [AutoScaling](#) (p. 49)
- [AutoScalingDescription](#) (p. 51)
- [AutoScalingUpdate](#) (p. 52)
- [Capacity](#) (p. 54)
- [CapacityDescription](#) (p. 55)
- [CapacityUpdate](#) (p. 56)
- [CloudWatchLogsLogDelivery](#) (p. 57)
- [CloudWatchLogsLogDeliveryDescription](#) (p. 58)
- [ConnectorSummary](#) (p. 59)
- [CustomPlugin](#) (p. 62)
- [CustomPluginDescription](#) (p. 63)
- [CustomPluginFileDescription](#) (p. 64)
- [CustomPluginLocation](#) (p. 65)
- [CustomPluginLocationDescription](#) (p. 66)
- [CustomPluginRevisionSummary](#) (p. 67)
- [CustomPluginSummary](#) (p. 69)
- [FirehoseLogDelivery](#) (p. 71)
- [FirehoseLogDeliveryDescription](#) (p. 72)
- [KafkaCluster](#) (p. 73)
- [KafkaClusterClientAuthentication](#) (p. 74)
- [KafkaClusterClientAuthenticationDescription](#) (p. 75)
- [KafkaClusterDescription](#) (p. 76)
- [KafkaClusterEncryptionInTransit](#) (p. 77)
- [KafkaClusterEncryptionInTransitDescription](#) (p. 78)
- [LogDelivery](#) (p. 79)
- [LogDeliveryDescription](#) (p. 80)
- [Plugin](#) (p. 81)
- [PluginDescription](#) (p. 82)
- [ProvisionedCapacity](#) (p. 83)
- [ProvisionedCapacityDescription](#) (p. 84)
- [ProvisionedCapacityUpdate](#) (p. 85)
- [S3Location](#) (p. 86)
- [S3LocationDescription](#) (p. 87)

- [S3LogDelivery](#) (p. 88)
- [S3LogDeliveryDescription](#) (p. 89)
- [ScaleInPolicy](#) (p. 90)
- [ScaleInPolicyDescription](#) (p. 91)
- [ScaleInPolicyUpdate](#) (p. 92)
- [ScaleOutPolicy](#) (p. 93)
- [ScaleOutPolicyDescription](#) (p. 94)
- [ScaleOutPolicyUpdate](#) (p. 95)
- [StateDescription](#) (p. 96)
- [Vpc](#) (p. 97)
- [VpcDescription](#) (p. 98)
- [WorkerConfiguration](#) (p. 99)
- [WorkerConfigurationDescription](#) (p. 100)
- [WorkerConfigurationRevisionDescription](#) (p. 101)
- [WorkerConfigurationRevisionSummary](#) (p. 102)
- [WorkerConfigurationSummary](#) (p. 103)
- [WorkerLogDelivery](#) (p. 104)
- [WorkerLogDeliveryDescription](#) (p. 105)

ApacheKafkaCluster

The details of the Apache Kafka cluster to which the connector is connected.

Contents

bootstrapServers

The bootstrap servers of the cluster.

Type: String

Required: Yes

vpc

Details of an Amazon VPC which has network connectivity to the Apache Kafka cluster.

Type: [Vpc \(p. 97\)](#) object

Required: Yes

See Also

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

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

ApacheKafkaClusterDescription

The description of the Apache Kafka cluster to which the connector is connected.

Contents

bootstrapServers

The bootstrap servers of the cluster.

Type: String

Required: No

vpc

Details of an Amazon VPC which has network connectivity to the Apache Kafka cluster.

Type: [VpcDescription \(p. 98\)](#) 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 V2](#)
- [AWS SDK for Ruby V3](#)

AutoScaling

Specifies how the connector scales.

Contents

maxWorkerCount

The maximum number of workers allocated to the connector.

Type: Integer

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

Required: Yes

mcuCount

The number of microcontroller units (MCUs) allocated to each connector worker. The valid values are 1,2,4,8.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 8.

Required: Yes

minWorkerCount

The minimum number of workers allocated to the connector.

Type: Integer

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

Required: Yes

scaleInPolicy

The scale-in policy for the connector.

Type: [ScaleInPolicy \(p. 90\)](#) object

Required: No

scaleOutPolicy

The scale-out policy for the connector.

Type: [ScaleOutPolicy \(p. 93\)](#) 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 V2](#)

- [AWS SDK for Ruby V3](#)

AutoScalingDescription

Information about the auto scaling parameters for the connector.

Contents

maxWorkerCount

The maximum number of workers allocated to the connector.

Type: Integer

Required: No

mcuCount

The number of microcontroller units (MCUs) allocated to each connector worker. The valid values are 1,2,4,8.

Type: Integer

Required: No

minWorkerCount

The minimum number of workers allocated to the connector.

Type: Integer

Required: No

scaleInPolicy

The scale-in policy for the connector.

Type: [ScaleInPolicyDescription \(p. 91\)](#) object

Required: No

scaleOutPolicy

The scale-out policy for the connector.>

Type: [ScaleOutPolicyDescription \(p. 94\)](#) 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 V2](#)
- [AWS SDK for Ruby V3](#)

AutoScalingUpdate

The updates to the auto scaling parameters for the connector.

Contents

maxWorkerCount

The target maximum number of workers allocated to the connector.

Type: Integer

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

Required: Yes

mcuCount

The target number of microcontroller units (MCUs) allocated to each connector worker. The valid values are 1,2,4,8.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 8.

Required: Yes

minWorkerCount

The target minimum number of workers allocated to the connector.

Type: Integer

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

Required: Yes

scaleInPolicy

The target scale-in policy for the connector.

Type: [ScaleInPolicyUpdate \(p. 92\)](#) object

Required: Yes

scaleOutPolicy

The target scale-out policy for the connector.

Type: [ScaleOutPolicyUpdate \(p. 95\)](#) object

Required: Yes

See Also

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

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

- [AWS SDK for Ruby V3](#)

Capacity

Information about the capacity of the connector, whether it is auto scaled or provisioned.

Contents

autoScaling

Information about the auto scaling parameters for the connector.

Type: [AutoScaling \(p. 49\)](#) object

Required: No

provisionedCapacity

Details about a fixed capacity allocated to a connector.

Type: [ProvisionedCapacity \(p. 83\)](#) 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 V2](#)
- [AWS SDK for Ruby V3](#)

CapacityDescription

A description of the connector's capacity.

Contents

autoScaling

Describes the connector's auto scaling capacity.

Type: [AutoScalingDescription \(p. 51\)](#) object

Required: No

provisionedCapacity

Describes a connector's provisioned capacity.

Type: [ProvisionedCapacityDescription \(p. 84\)](#) 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 V2](#)
- [AWS SDK for Ruby V3](#)

CapacityUpdate

The target capacity for the connector. The capacity can be auto scaled or provisioned.

Contents

autoScaling

The target auto scaling setting.

Type: [AutoScalingUpdate \(p. 52\)](#) object

Required: No

provisionedCapacity

The target settings for provisioned capacity.

Type: [ProvisionedCapacityUpdate \(p. 85\)](#) 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 V2](#)
- [AWS SDK for Ruby V3](#)

CloudWatchLogsLogDelivery

The settings for delivering connector logs to Amazon CloudWatch Logs.

Contents

enabled

Whether log delivery to Amazon CloudWatch Logs is enabled.

Type: Boolean

Required: Yes

logGroup

The name of the CloudWatch log group that is the destination for log delivery.

Type: String

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

CloudWatchLogsLogDeliveryDescription

A description of the log delivery settings.

Contents

enabled

Whether log delivery to Amazon CloudWatch Logs is enabled.

Type: Boolean

Required: No

logGroup

The name of the CloudWatch log group that is the destination for log delivery.

Type: String

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

ConnectorSummary

Summary of a connector.

Contents

capacity

The connector's compute capacity settings.

Type: [CapacityDescription](#) (p. 55) object

Required: No

connectorArn

The Amazon Resource Name (ARN) of the connector.

Type: String

Required: No

connectorDescription

The description of the connector.

Type: String

Required: No

connectorName

The name of the connector.

Type: String

Required: No

connectorState

The state of the connector.

Type: String

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

Required: No

creationTime

The time that the connector was created.

Type: Timestamp

Required: No

currentVersion

The current version of the connector.

Type: String

Required: No

kafkaCluster

The details of the Apache Kafka cluster to which the connector is connected.

Type: [KafkaClusterDescription \(p. 76\)](#) object

Required: No

kafkaClusterClientAuthentication

The type of client authentication used to connect to the Apache Kafka cluster. The value is NONE when no client authentication is used.

Type: [KafkaClusterClientAuthenticationDescription \(p. 75\)](#) object

Required: No

kafkaClusterEncryptionInTransit

Details of encryption in transit to the Apache Kafka cluster.

Type: [KafkaClusterEncryptionInTransitDescription \(p. 78\)](#) object

Required: No

kafkaConnectVersion

The version of Kafka Connect. It has to be compatible with both the Apache Kafka cluster's version and the plugins.

Type: String

Required: No

logDelivery

The settings for delivering connector logs to Amazon CloudWatch Logs.

Type: [LogDeliveryDescription \(p. 80\)](#) object

Required: No

plugins

Specifies which plugins were used for this connector.

Type: Array of [PluginDescription \(p. 82\)](#) objects

Required: No

serviceExecutionRoleArn

The Amazon Resource Name (ARN) of the IAM role used by the connector to access Amazon Web Services resources.

Type: String

Required: No

workerConfiguration

The worker configurations that are in use with the connector.

Type: [WorkerConfigurationDescription \(p. 100\)](#) 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 V2](#)
- [AWS SDK for Ruby V3](#)

CustomPlugin

A plugin is an AWS resource that contains the code that defines a connector's logic.

Contents

customPluginArn

The Amazon Resource Name (ARN) of the custom plugin.

Type: String

Required: Yes

revision

The revision of the custom plugin.

Type: Long

Valid Range: Minimum value of 1. Maximum value of 9223372036854775807.

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

CustomPluginDescription

Details about a custom plugin.

Contents

customPluginArn

The Amazon Resource Name (ARN) of the custom plugin.

Type: String

Required: No

revision

The revision of the custom plugin.

Type: Long

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

CustomPluginFileDescription

Details about a custom plugin file.

Contents

fileMd5

The hex-encoded MD5 checksum of the custom plugin file. You can use it to validate the file.

Type: String

Required: No

fileSize

The size in bytes of the custom plugin file. You can use it to validate the file.

Type: Long

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

CustomPluginLocation

Information about the location of a custom plugin.

Contents

s3Location

The S3 bucket Amazon Resource Name (ARN), file key, and object version of the plugin file stored in Amazon S3.

Type: [S3Location](#) (p. 86) object

Required: Yes

See Also

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

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

CustomPluginLocationDescription

Information about the location of a custom plugin.

Contents

s3Location

The S3 bucket Amazon Resource Name (ARN), file key, and object version of the plugin file stored in Amazon S3.

Type: [S3LocationDescription](#) (p. 87) 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 V2](#)
- [AWS SDK for Ruby V3](#)

CustomPluginRevisionSummary

Details about the revision of a custom plugin.

Contents

contentType

The format of the plugin file.

Type: String

Valid Values: `JAR` | `ZIP`

Required: No

creationTime

The time that the custom plugin was created.

Type: Timestamp

Required: No

description

The description of the custom plugin.

Type: String

Required: No

fileDescription

Details about the custom plugin file.

Type: [CustomPluginFileDescription \(p. 64\)](#) object

Required: No

location

Information about the location of the custom plugin.

Type: [CustomPluginLocationDescription \(p. 66\)](#) object

Required: No

revision

The revision of the custom plugin.

Type: Long

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

CustomPluginSummary

A summary of the custom plugin.

Contents

creationTime

The time that the custom plugin was created.

Type: Timestamp

Required: No

customPluginArn

The Amazon Resource Name (ARN) of the custom plugin.

Type: String

Required: No

customPluginState

The state of the custom plugin.

Type: String

Valid Values: `CREATING` | `CREATE_FAILED` | `ACTIVE` | `UPDATING` | `UPDATE_FAILED` | `DELETING`

Required: No

description

A description of the custom plugin.

Type: String

Required: No

latestRevision

The latest revision of the custom plugin.

Type: [CustomPluginRevisionSummary \(p. 67\)](#) object

Required: No

name

The name of the custom plugin.

Type: String

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

FirehoseLogDelivery

The settings for delivering logs to Amazon Kinesis Data Firehose.

Contents

deliveryStream

The name of the Kinesis Data Firehose delivery stream that is the destination for log delivery.

Type: String

Required: No

enabled

Specifies whether connector logs get delivered to Amazon Kinesis Data Firehose.

Type: Boolean

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

FirehoseLogDeliveryDescription

A description of the settings for delivering logs to Amazon Kinesis Data Firehose.

Contents

deliveryStream

The name of the Kinesis Data Firehose delivery stream that is the destination for log delivery.

Type: String

Required: No

enabled

Specifies whether connector logs get delivered to Amazon Kinesis Data Firehose.

Type: Boolean

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

KafkaCluster

The details of the Apache Kafka cluster to which the connector is connected.

Contents

apacheKafkaCluster

The Apache Kafka cluster to which the connector is connected.

Type: [ApacheKafkaCluster \(p. 47\)](#) object

Required: Yes

See Also

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

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

KafkaClusterClientAuthentication

The client authentication information used in order to authenticate with the Apache Kafka cluster.

Contents

authenticationType

The type of client authentication used to connect to the Apache Kafka cluster. Value NONE means that no client authentication is used.

Type: String

Valid Values: NONE | IAM

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

KafkaClusterClientAuthenticationDescription

The client authentication information used in order to authenticate with the Apache Kafka cluster.

Contents

authenticationType

The type of client authentication used to connect to the Apache Kafka cluster. Value NONE means that no client authentication is used.

Type: String

Valid Values: NONE | IAM

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

KafkaClusterDescription

Details of how to connect to the Apache Kafka cluster.

Contents

apacheKafkaCluster

The Apache Kafka cluster to which the connector is connected.

Type: [ApacheKafkaClusterDescription \(p. 48\)](#) 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 V2](#)
- [AWS SDK for Ruby V3](#)

KafkaClusterEncryptionInTransit

Details of encryption in transit to the Apache Kafka cluster.

Contents

encryptionType

The type of encryption in transit to the Apache Kafka cluster.

Type: String

Valid Values: `PLAINTEXT` | `TLS`

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

KafkaClusterEncryptionInTransitDescription

The description of the encryption in transit to the Apache Kafka cluster.

Contents

encryptionType

The type of encryption in transit to the Apache Kafka cluster.

Type: String

Valid Values: `PLAINTEXT` | `TLS`

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

LogDelivery

Details about log delivery.

Contents

workerLogDelivery

The workers can send worker logs to different destination types. This configuration specifies the details of these destinations.

Type: [WorkerLogDelivery \(p. 104\)](#) object

Required: Yes

See Also

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

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

LogDeliveryDescription

The description of the log delivery settings.

Contents

workerLogDelivery

The workers can send worker logs to different destination types. This configuration specifies the details of these destinations.

Type: [WorkerLogDeliveryDescription \(p. 105\)](#) 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 V2](#)
- [AWS SDK for Ruby V3](#)

Plugin

A plugin is an AWS resource that contains the code that defines your connector logic.

Contents

customPlugin

Details about a custom plugin.

Type: [CustomPlugin \(p. 62\)](#) object

Required: Yes

See Also

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

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

PluginDescription

The description of the plugin.

Contents

customPlugin

Details about a custom plugin.

Type: [CustomPluginDescription \(p. 63\)](#) 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 V2](#)
- [AWS SDK for Ruby V3](#)

ProvisionedCapacity

Details about a connector's provisioned capacity.

Contents

mcuCount

The number of microcontroller units (MCUs) allocated to each connector worker. The valid values are 1,2,4,8.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 8.

Required: Yes

workerCount

The number of workers that are allocated to the connector.

Type: Integer

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

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

ProvisionedCapacityDescription

The description of a connector's provisioned capacity.

Contents

mcuCount

The number of microcontroller units (MCUs) allocated to each connector worker. The valid values are 1,2,4,8.

Type: Integer

Required: No

workerCount

The number of workers that are allocated to the connector.

Type: Integer

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

ProvisionedCapacityUpdate

An update to a connector's fixed capacity.

Contents

mcuCount

The number of microcontroller units (MCUs) allocated to each connector worker. The valid values are 1,2,4,8.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 8.

Required: Yes

workerCount

The number of workers that are allocated to the connector.

Type: Integer

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

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

S3Location

The location of an object in Amazon S3.

Contents

bucketArn

The Amazon Resource Name (ARN) of an S3 bucket.

Type: String

Required: Yes

fileKey

The file key for an object in an S3 bucket.

Type: String

Required: Yes

objectVersion

The version of an object in an S3 bucket.

Type: String

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

S3LocationDescription

The description of the location of an object in Amazon S3.

Contents

bucketArn

The Amazon Resource Name (ARN) of an S3 bucket.

Type: String

Required: No

fileKey

The file key for an object in an S3 bucket.

Type: String

Required: No

objectVersion

The version of an object in an S3 bucket.

Type: String

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

S3LogDelivery

Details about delivering logs to Amazon S3.

Contents

bucket

The name of the S3 bucket that is the destination for log delivery.

Type: String

Required: No

enabled

Specifies whether connector logs get sent to the specified Amazon S3 destination.

Type: Boolean

Required: Yes

prefix

The S3 prefix that is the destination for log delivery.

Type: String

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

S3LogDeliveryDescription

The description of the details about delivering logs to Amazon S3.

Contents

bucket

The name of the S3 bucket that is the destination for log delivery.

Type: String

Required: No

enabled

Specifies whether connector logs get sent to the specified Amazon S3 destination.

Type: Boolean

Required: No

prefix

The S3 prefix that is the destination for log delivery.

Type: String

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

ScaleInPolicy

The scale-in policy for the connector.

Contents

cpuUtilizationPercentage

Specifies the CPU utilization percentage threshold at which you want connector scale in to be triggered.

Type: Integer

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

Required: Yes

See Also

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

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

ScaleInPolicyDescription

The description of the scale-in policy for the connector.

Contents

cpuUtilizationPercentage

Specifies the CPU utilization percentage threshold at which you want connector scale in to be triggered.

Type: Integer

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

ScaleInPolicyUpdate

An update to the connector's scale-in policy.

Contents

cpuUtilizationPercentage

The target CPU utilization percentage threshold at which you want connector scale in to be triggered.

Type: Integer

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

Required: Yes

See Also

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

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

ScaleOutPolicy

The scale-out policy for the connector.

Contents

cpuUtilizationPercentage

The CPU utilization percentage threshold at which you want connector scale out to be triggered.

Type: Integer

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

Required: Yes

See Also

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

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

ScaleOutPolicyDescription

The description of the scale-out policy for the connector.

Contents

cpuUtilizationPercentage

The CPU utilization percentage threshold at which you want connector scale out to be triggered.

Type: Integer

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

ScaleOutPolicyUpdate

An update to the connector's scale-out policy.

Contents

cpuUtilizationPercentage

The target CPU utilization percentage threshold at which you want connector scale out to be triggered.

Type: Integer

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

Required: Yes

See Also

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

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

StateDescription

Details about the state of a resource.

Contents

code

A code that describes the state of a resource.

Type: String

Required: No

message

A message that describes the state of a resource.

Type: String

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

Vpc

Information about the VPC in which the connector resides.

Contents

securityGroups

The security groups for the connector.

Type: Array of strings

Required: No

subnets

The subnets for the connector.

Type: Array of strings

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

VpcDescription

The description of the VPC in which the connector resides.

Contents

securityGroups

The security groups for the connector.

Type: Array of strings

Required: No

subnets

The subnets for the connector.

Type: Array of strings

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

WorkerConfiguration

The configuration of the workers, which are the processes that run the connector logic.

Contents

revision

The revision of the worker configuration.

Type: Long

Valid Range: Minimum value of 1. Maximum value of 9223372036854775807.

Required: Yes

workerConfigurationArn

The Amazon Resource Name (ARN) of the worker configuration.

Type: String

Required: Yes

See Also

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

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

WorkerConfigurationDescription

The description of the worker configuration.

Contents

revision

The revision of the worker configuration.

Type: Long

Required: No

workerConfigurationArn

The Amazon Resource Name (ARN) of the worker configuration.

Type: String

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

WorkerConfigurationRevisionDescription

The description of the worker configuration revision.

Contents

creationTime

The time that the worker configuration was created.

Type: Timestamp

Required: No

description

The description of the worker configuration revision.

Type: String

Required: No

propertiesFileContent

Base64 encoded contents of the connect-distributed.properties file.

Type: String

Required: No

revision

The description of a revision of the worker configuration.

Type: Long

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

WorkerConfigurationRevisionSummary

The summary of a worker configuration revision.

Contents

creationTime

The time that a worker configuration revision was created.

Type: Timestamp

Required: No

description

The description of a worker configuration revision.

Type: String

Required: No

revision

The revision of a worker configuration.

Type: Long

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

WorkerConfigurationSummary

The summary of a worker configuration.

Contents

creationTime

The time that a worker configuration was created.

Type: Timestamp

Required: No

description

The description of a worker configuration.

Type: String

Required: No

latestRevision

The latest revision of a worker configuration.

Type: [WorkerConfigurationRevisionSummary \(p. 102\)](#) object

Required: No

name

The name of the worker configuration.

Type: String

Required: No

workerConfigurationArn

The Amazon Resource Name (ARN) of the worker configuration.

Type: String

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

WorkerLogDelivery

Workers can send worker logs to different destination types. This configuration specifies the details of these destinations.

Contents

cloudWatchLogs

Details about delivering logs to Amazon CloudWatch Logs.

Type: [CloudWatchLogsLogDelivery \(p. 57\)](#) object

Required: No

firehose

Details about delivering logs to Amazon Kinesis Data Firehose.

Type: [FirehoseLogDelivery \(p. 71\)](#) object

Required: No

s3

Details about delivering logs to Amazon S3.

Type: [S3LogDelivery \(p. 88\)](#) 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 V2](#)
- [AWS SDK for Ruby V3](#)

WorkerLogDeliveryDescription

Workers can send worker logs to different destination types. This configuration specifies the details of these destinations.

Contents

cloudWatchLogs

Details about delivering logs to Amazon CloudWatch Logs.

Type: [CloudWatchLogsLogDeliveryDescription \(p. 58\)](#) object

Required: No

firehose

Details about delivering logs to Amazon Kinesis Data Firehose.

Type: [FirehoseLogDeliveryDescription \(p. 72\)](#) object

Required: No

s3

Details about delivering logs to Amazon S3.

Type: [S3LogDeliveryDescription \(p. 89\)](#) 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 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 [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'THHMMSS'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