API Reference

Amazon MSK Connect

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Amazon MSK Connect: API Reference

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Welcome

This document was last published on August 31, 2025.

Actions

The following actions are supported:

- CreateConnector
- CreateCustomPlugin
- CreateWorkerConfiguration
- DeleteConnector
- DeleteCustomPlugin
- DeleteWorkerConfiguration
- DescribeConnector
- DescribeConnectorOperation
- DescribeCustomPlugin
- DescribeWorkerConfiguration
- ListConnectorOperations
- ListConnectors
- ListCustomPlugins
- ListTagsForResource
- ListWorkerConfigurations
- TagResource
- UntagResource
- UpdateConnector

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",
    "tags": {
       "string" : "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

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

Type: Capacity object

Required: Yes

connectorConfiguration

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

Type: String to string map

Required: Yes

connectorDescription

A summary description of the connector.

Type: String

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

Required: No

connectorName

The name of the connector.

Type: String

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

Required: Yes

kafkaCluster

Specifies which Apache Kafka cluster to connect to.

Type: KafkaCluster object

Required: Yes

kafkaClusterClientAuthentication

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

Type: KafkaClusterClientAuthentication object

Required: Yes

kafkaClusterEncryptionInTransit

Details of encryption in transit to the Apache Kafka cluster.

Type: KafkaClusterEncryptionInTransit object

Required: Yes

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: Yes

logDelivery

Details about log delivery.

Type: LogDelivery object

Required: No

plugins

> **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 objects

Required: Yes

serviceExecutionRoleArn

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

tags

The tags you want to attach to the connector.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

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

Required: No

workerConfiguration

Specifies which worker configuration to use with the connector.

Type: WorkerConfiguration 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

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

Type: String

connectorName

The name of the connector.

Type: String

connectorState

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.

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

contentType

The type of the plugin file.

Type: String

Valid Values: `JAR` | `ZIP`

Required: Yes

description

A summary description of the custom plugin.

Type: String

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

Required: No

location

Information about the location of a custom plugin.

Type: CustomPluginLocation object

Required: Yes

name

The name of the custom plugin.

Type: String

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

Required: Yes

tags

The tags you want to attach to the custom plugin.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

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

Required: No

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

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

Type: String

customPluginState

The state of the custom plugin.

Type: String

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

name

The name of the custom plugin.

Type: String

revision

The revision of the custom plugin.

Type: Long

Errors

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

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

description

A summary description of the worker configuration.

Type: String

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

Required: No

name

The name of the worker configuration.

Type: String

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

Required: Yes

propertiesFileContent

Base64 encoded contents of connect-distributed.properties file.

Type: String

Required: Yes

tags

The tags you want to attach to the worker configuration.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

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

Required: No

Response Syntax

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

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

The time that the worker configuration was created.

Type: Timestamp

latestRevision

The latest revision of the worker configuration.

Type: WorkerConfigurationRevisionSummary object

name

The name of the worker configuration.

Type: String

workerConfigurationArn

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

Type: String

workerConfigurationState

The state of the worker configuration.

Type: String

Valid Values: `ACTIVE | DELETING`

Errors

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

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

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- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

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

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

Required: Yes

currentVersion

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

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

Type: String

connectorState

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.

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:

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- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

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

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

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

Type: String

customPluginState

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.

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

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- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteWorkerConfiguration

Deletes the specified worker configuration.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

workerConfigurationArn

The Amazon Resource Name (ARN) of the worker configuration 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

{
   "workerConfigurationArn": "string",
   "workerConfigurationState": "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.

workerConfigurationArn

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

Type: String

workerConfigurationState

The state of the worker configuration.

Type: String

Valid Values: `ACTIVE | DELETING`

Errors

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

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

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

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": "string",
    "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

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

Type: CapacityDescription object

connectorArn

The Amazon Resource Name (ARN) of the connector.

Type: String

connectorConfiguration

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

Type: String to string map

connectorDescription

A summary description of the connector.

Type: String

connectorName

The name of the connector.

Type: String

connectorState

The state of the connector.

Type: String

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

creationTime

The time the connector was created.

Type: Timestamp

currentVersion

The current version of the connector.

Type: String

kafkaCluster

The Apache Kafka cluster that the connector is connected to.

Type: KafkaClusterDescription object

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 object

kafkaClusterEncryptionInTransit

Details of encryption in transit to the Apache Kafka cluster.

Type: KafkaClusterEncryptionInTransitDescription object

kafkaConnectVersion

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

Type: String

logDelivery

Details about delivering logs to Amazon CloudWatch Logs.

Type: LogDeliveryDescription object

plugins

Specifies which plugins were used for this connector.

Type: Array of PluginDescription objects

serviceExecutionRoleArn

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

Type: String

stateDescription

Details about the state of a connector.

Type: StateDescription object

workerConfiguration

Specifies which worker configuration was used for the connector.

Type: WorkerConfigurationDescription object

Errors

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

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeConnectorOperation

Returns information about the specified connector's operations.

Request Syntax

```
GET /v1/connectorOperations/connectorOperationArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

connectorOperationArn

ARN of the connector operation to be described.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "connectorArn": "string",
   "connectorOperationArn": "string",
   "connectorOperationState": "string",
   "connectorOperationType": "string",
   "creationTime": "string",
   "endTime": "string",
   "errorInfo": {
      "code": "string",
      "message": "string"
   },
   "operationSteps": [
      {
         "stepState": "string",
```

```
            "stepType": "string"
        }
    ],
    "originConnectorConfiguration": {
        "string" : "string"
    },
    "originWorkerSetting": {
        "capacity": {
            "autoScaling": {
                "maxWorkerCount": number,
                "mcuCount": number,
                "minWorkerCount": number,
                "scaleInPolicy": {
                    "cpuUtilizationPercentage": number
                },
                "scaleOutPolicy": {
                    "cpuUtilizationPercentage": number
                }
            },
            "provisionedCapacity": {
                "mcuCount": number,
                "workerCount": number
            }
        }
    },
    "targetConnectorConfiguration": {
        "string" : "string"
    },
    "targetWorkerSetting": {
        "capacity": {
            "autoScaling": {
                "maxWorkerCount": number,
                "mcuCount": number,
                "minWorkerCount": number,
                "scaleInPolicy": {
                    "cpuUtilizationPercentage": number
                },
                "scaleOutPolicy": {
                    "cpuUtilizationPercentage": number
                }
            },
            "provisionedCapacity": {
                "mcuCount": number,
                "workerCount": 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.

connectorArn

The Amazon Resource Name (ARN) of the connector.

Type: String

connectorOperationArn

The Amazon Resource Name (ARN) of the connector operation.

Type: String

connectorOperationState

The state of the connector operation.

Type: String

Valid Values: `PENDING | UPDATE_IN_PROGRESS | UPDATE_COMPLETE | UPDATE_FAILED | ROLLBACK_IN_PROGRESS | ROLLBACK_FAILED | ROLLBACK_COMPLETE`

connectorOperationType

The type of connector operation performed.

Type: String

Valid Values: `UPDATE_WORKER_SETTING | UPDATE_CONNECTOR_CONFIGURATION | ISOLATE_CONNECTOR | RESTORE_CONNECTOR`

creationTime

The time when the operation was created.

Type: Timestamp

endTime

The time when the operation ended.

Type: Timestamp

errorInfo

Details about the state of a resource.

Type: StateDescription object

operationSteps

The array of operation steps taken.

Type: Array of ConnectorOperationStep objects

originConnectorConfiguration

The origin connector configuration.

Type: String to string map

originWorkerSetting

The origin worker setting.

Type: WorkerSetting object

targetConnectorConfiguration

The target connector configuration.

Type: String to string map

targetWorkerSetting

The target worker setting.

Type: WorkerSetting object

Errors

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

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

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

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": "string",
   "customPluginArn": "string",
   "customPluginState": "string",
   "description": "string",
   "latestRevision": {
      "contentType": "string",
      "creationTime": "string",
      "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

The time that the custom plugin was created.

Type: Timestamp

customPluginArn

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

Type: String

customPluginState

The state of the custom plugin.

Type: String

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

description

The description of the custom plugin.

Type: String

latestRevision

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

Type: CustomPluginRevisionSummary object

name

The name of the custom plugin.

Type: String

stateDescription

Details about the state of a custom plugin.

Type: StateDescription object

Errors

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

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python

- AWS SDK for Ruby V3

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

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

The time that the worker configuration was created.

Type: Timestamp

description

The description of the worker configuration.

Type: String

latestRevision

The latest revision of the custom configuration.

Type: WorkerConfigurationRevisionDescription object

name

The name of the worker configuration.

Type: String

workerConfigurationArn

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

Type: String

workerConfigurationState

The state of the worker configuration.

Type: String

Valid Values: `ACTIVE | DELETING`

Errors

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

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListConnectorOperations

Lists information about a connector's operation(s).

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

connectorArn

The Amazon Resource Name (ARN) of the connector for which to list operations.

Required: Yes

maxResults

Maximum number of connector operations to fetch in one get request.

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

nextToken

If the response is truncated, it includes a NextToken. Send this NextToken in a subsequent request to continue listing from where it left off.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "connectorOperations": [
      {
```

```
            "connectorOperationArn": "string",
            "connectorOperationState": "string",
            "connectorOperationType": "string",
            "creationTime": "string",
            "endTime": "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.

connectorOperations

An array of connector operation descriptions.

Type: Array of ConnectorOperationSummary objects

nextToken

If the response is truncated, it includes 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.

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 v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

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

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

maxResults

The maximum number of connectors to list in one response.

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

nextToken

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": "string",
          "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

An array of connector descriptions.

Type: Array of ConnectorSummary objects

nextToken

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.

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListCustomPlugins

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

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

maxResults

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

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

namePrefix

Lists custom plugin names that start with the specified text string.

nextToken

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": "string",
            "customPluginArn": "string",
            "customPluginState": "string",
            "description": "string",
            "latestRevision": {
               "contentType": "string",
               "creationTime": "string",
               "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

An array of custom plugin descriptions.

Type: Array of CustomPluginSummary objects

nextToken

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.

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListTagsForResource

Lists all the tags attached to the specified resource.

Request Syntax

```
GET /v1/tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

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

Response Elements

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

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

tags

Lists the tags attached to the specified resource in the corresponding request.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

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

Errors

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

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListWorkerConfigurations

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

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

maxResults

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

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

namePrefix

Lists worker configuration names that start with the specified text string.

nextToken

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

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

An array of worker configuration descriptions.

Type: Array of WorkerConfigurationSummary objects

Errors

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

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

Attaches tags to the specified resource.

Request Syntax

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

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

The tags that you want to attach to the resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UntagResource

Removes tags from the specified resource.

Request Syntax

```
DELETE /v1/tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

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

Required: Yes

tagKeys

The keys of the tags that you want to remove from the resource.

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

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateConnector

Updates the specified connector. For request body, specify only one parameter: either `capacity` or `connectorConfiguration`.

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
      }
   },
   "connectorConfiguration": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

connectorArn

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

Required: Yes

currentVersion

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

The target capacity.

Type: CapacityUpdate object

Required: No

connectorConfiguration

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

Type: String to string map

Required: No

Response Syntax

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

{
   "connectorArn": "string",
   "connectorOperationArn": "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

The Amazon Resource Name (ARN) of the connector.

Type: String

connectorOperationArn

The Amazon Resource Name (ARN) of the connector operation.

Type: String

connectorState

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.

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python

- AWS SDK for Ruby V3

Data Types

The 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
- ApacheKafkaClusterDescription
- AutoScaling
- AutoScalingDescription
- AutoScalingUpdate
- Capacity
- CapacityDescription
- CapacityUpdate
- CloudWatchLogsLogDelivery
- CloudWatchLogsLogDeliveryDescription
- ConnectorOperationStep
- ConnectorOperationSummary
- ConnectorSummary
- CustomPlugin
- CustomPluginDescription
- CustomPluginFileDescription
- CustomPluginLocation
- CustomPluginLocationDescription
- CustomPluginRevisionSummary
- CustomPluginSummary

- FirehoseLogDelivery
- FirehoseLogDeliveryDescription
- KafkaCluster
- KafkaClusterClientAuthentication
- KafkaClusterClientAuthenticationDescription
- KafkaClusterDescription
- KafkaClusterEncryptionInTransit
- KafkaClusterEncryptionInTransitDescription
- LogDelivery
- LogDeliveryDescription
- Plugin
- PluginDescription
- ProvisionedCapacity
- ProvisionedCapacityDescription
- ProvisionedCapacityUpdate
- S3Location
- S3LocationDescription
- S3LogDelivery
- S3LogDeliveryDescription
- ScaleInPolicy
- ScaleInPolicyDescription
- ScaleInPolicyUpdate
- ScaleOutPolicy
- ScaleOutPolicyDescription
- ScaleOutPolicyUpdate
- StateDescription
- Vpc
- VpcDescription
- WorkerConfiguration
- WorkerConfigurationDescription

- WorkerConfigurationRevisionDescription
- WorkerConfigurationRevisionSummary
- WorkerConfigurationSummary
- WorkerLogDelivery
- WorkerLogDeliveryDescription
- WorkerSetting

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 object

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AutoScaling

Specifies how the connector scales.

Contents

maxWorkerCount

The maximum number of workers allocated to the connector.

Type: Integer

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

Required: Yes

scaleInPolicy

The sacle-in policy for the connector.

Type: ScaleInPolicy object

Required: No

scaleOutPolicy

The sacle-out policy for the connector.

Type: ScaleOutPolicy object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 sacle-in policy for the connector.

Type: ScaleInPolicyDescription object

Required: No

scaleOutPolicy

The sacle-out policy for the connector.>

Type: ScaleOutPolicyDescription object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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

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

Required: Yes

scaleInPolicy

The target sacle-in policy for the connector.

Type: ScaleInPolicyUpdate object

Required: Yes

scaleOutPolicy

The target sacle-out policy for the connector.

Type: ScaleOutPolicyUpdate object

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 object

Required: No

provisionedCapacity

Details about a fixed capacity allocated to a connector.

Type: ProvisionedCapacity object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CapacityDescription

A description of the connector's capacity.

Contents

autoScaling

Describes the connector's auto scaling capacity.

Type: AutoScalingDescription object

Required: No

provisionedCapacity

Describes a connector's provisioned capacity.

Type: ProvisionedCapacityDescription object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CapacityUpdate

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

Contents

autoScaling

The target auto scaling setting.

Type: AutoScalingUpdate object

Required: No

provisionedCapacity

The target settings for provisioned capacity.

Type: ProvisionedCapacityUpdate object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 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 Java V2
- AWS SDK for Ruby V3

ConnectorOperationStep

Details of a step that is involved in a connector's operation.

Contents

stepState

The step state of the operation.

Type: String

Valid Values: `PENDING | IN_PROGRESS | COMPLETED | FAILED | CANCELLED`

Required: No

stepType

The step type of the operation.

Type: String

Valid Values: `INITIALIZE_UPDATE | FINALIZE_UPDATE | UPDATE_WORKER_SETTING | UPDATE_CONNECTOR_CONFIGURATION | VALIDATE_UPDATE`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorOperationSummary

Summary of a connector operation.

Contents

connectorOperationArn

The Amazon Resource Name (ARN) of the connector operation.

Type: String

Required: No

connectorOperationState

The state of the connector operation.

Type: String

Valid Values: `PENDING | UPDATE_IN_PROGRESS | UPDATE_COMPLETE | UPDATE_FAILED | ROLLBACK_IN_PROGRESS | ROLLBACK_FAILED | ROLLBACK_COMPLETE`

Required: No

connectorOperationType

The type of connector operation performed.

Type: String

Valid Values: `UPDATE_WORKER_SETTING | UPDATE_CONNECTOR_CONFIGURATION | ISOLATE_CONNECTOR | RESTORE_CONNECTOR`

Required: No

creationTime

The time when operation was created.

Type: Timestamp

Required: No

endTime

The time when operation ended.

Type: Timestamp

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorSummary

Summary of a connector.

Contents

capacity

The connector's compute capacity settings.

Type: CapacityDescription 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 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 object

Required: No

kafkaClusterEncryptionInTransit

Details of encryption in transit to the Apache Kafka cluster.

Type: KafkaClusterEncryptionInTransitDescription 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 object

Required: No

plugins

Specifies which plugins were used for this connector.

Type: Array of PluginDescription 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 object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

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 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 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 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 object

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 object

Required: No

location

Information about the location of the custom plugin.

Type: CustomPluginLocationDescription 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 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 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 Java V2
- AWS SDK for Ruby V3

FirehoseLogDelivery

The settings for delivering logs to Amazon Kinesis Data Firehose.

Contents

enabled

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

Type: Boolean

Required: Yes

deliveryStream

The name of the Kinesis Data Firehose delivery stream 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 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 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 object

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 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 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 object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 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 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 object

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 object

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PluginDescription

The description of the plugin.

Contents

customPlugin

Details about a custom plugin.

Type: CustomPluginDescription object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 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

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 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 Java V2
- AWS SDK for Ruby V3

S3LogDelivery

Details about delivering logs to Amazon S3.

Contents

enabled

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

Type: Boolean

Required: Yes

bucket

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

Type: String

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 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 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 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 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 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 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 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 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 Java V2
- AWS SDK for Ruby V3

Vpc

Information about the VPC in which the connector resides.

Contents

subnets

The subnets for the connector.

Type: Array of strings

Required: Yes

securityGroups

The security groups 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 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 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 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 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 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 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 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

workerConfigurationState

The state of the worker configuration.

Type: String

Valid Values: `ACTIVE | DELETING`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 object

Required: No

firehose

Details about delivering logs to Amazon Kinesis Data Firehose.

Type: FirehoseLogDelivery object

Required: No

s3

Details about delivering logs to Amazon S3.

Type: S3LogDelivery object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 object

Required: No

firehose

Details about delivering logs to Amazon Kinesis Data Firehose.

Type: FirehoseLogDeliveryDescription object

Required: No

s3

Details about delivering logs to Amazon S3.

Type: S3LogDeliveryDescription object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

WorkerSetting

Details about worker setting of a connector

Contents

capacity

A description of the connector's capacity.

Type: CapacityDescription object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Parameters

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

Action

The action to be performed.

Type: string

Required: Yes

Version

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

Type: string

Required: Yes

X-Amz-Algorithm

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

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

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

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

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

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

Type: string

Required: Conditional

X-Amz-Date

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

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

Type: string

Required: Conditional

X-Amz-Security-Token

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

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

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

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

Type: string

Required: Conditional

Common Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

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

HTTP Status Code: 500

MalformedHttpRequestException

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

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

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

HTTP Status Code: 403

RequestAbortedException

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

HTTP Status Code: 400

RequestEntityTooLargeException

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

HTTP Status Code: 413

RequestExpired

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

HTTP Status Code: 400

RequestTimeoutException

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

HTTP Status Code: 408

ServiceUnavailable

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

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

UnrecognizedClientException

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

HTTP Status Code: 403

UnknownOperationException

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

HTTP Status Code: 404

ValidationError

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

HTTP Status Code: 400