



API Reference

AWS Supply Chain



API Version 2024-01-01

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

AWS Supply Chain: API Reference

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

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

Table of Contents

Welcome	1
Actions	2
CreateBillOfMaterialsImportJob	4
Request Syntax	4
URI Request Parameters	4
Request Body	4
Response Syntax	5
Response Elements	5
Errors	6
See Also	7
CreateDataIntegrationFlow	8
Request Syntax	8
URI Request Parameters	9
Request Body	10
Response Syntax	11
Response Elements	11
Errors	12
See Also	13
CreateDataLakeDataset	14
Request Syntax	14
URI Request Parameters	15
Request Body	15
Response Syntax	17
Response Elements	18
Errors	18
See Also	19
CreateDataLakeNamespace	20
Request Syntax	20
URI Request Parameters	20
Request Body	21
Response Syntax	21
Response Elements	22
Errors	22
See Also	23

CreateInstance	24
Request Syntax	24
URI Request Parameters	24
Request Body	24
Response Syntax	26
Response Elements	27
Errors	27
See Also	28
DeleteDataIntegrationFlow	29
Request Syntax	29
URI Request Parameters	29
Request Body	29
Response Syntax	29
Response Elements	30
Errors	30
See Also	31
DeleteDataLakeDataset	33
Request Syntax	33
URI Request Parameters	33
Request Body	34
Response Syntax	34
Response Elements	34
Errors	35
See Also	36
DeleteDataLakeNamespace	37
Request Syntax	37
URI Request Parameters	37
Request Body	37
Response Syntax	37
Response Elements	38
Errors	38
See Also	39
DeleteInstance	41
Request Syntax	41
URI Request Parameters	41
Request Body	41

Response Syntax	41
Response Elements	42
Errors	42
See Also	43
GetBillOfMaterialsImportJob	45
Request Syntax	45
URI Request Parameters	45
Request Body	45
Response Syntax	45
Response Elements	46
Errors	46
See Also	47
GetDataIntegrationEvent	49
Request Syntax	49
URI Request Parameters	49
Request Body	49
Response Syntax	49
Response Elements	50
Errors	50
See Also	51
GetDataIntegrationFlow	53
Request Syntax	53
URI Request Parameters	53
Request Body	53
Response Syntax	53
Response Elements	55
Errors	56
See Also	57
GetDataIntegrationFlowExecution	58
Request Syntax	58
URI Request Parameters	58
Request Body	59
Response Syntax	59
Response Elements	59
Errors	60
See Also	61

GetDataLakeDataset	62
Request Syntax	62
URI Request Parameters	62
Request Body	63
Response Syntax	63
Response Elements	64
Errors	64
See Also	65
GetDataLakeNamespace	67
Request Syntax	67
URI Request Parameters	67
Request Body	67
Response Syntax	68
Response Elements	68
Errors	68
See Also	69
GetInstance	71
Request Syntax	71
URI Request Parameters	71
Request Body	71
Response Syntax	71
Response Elements	72
Errors	72
See Also	73
ListDataIntegrationEvents	74
Request Syntax	74
URI Request Parameters	74
Request Body	75
Response Syntax	75
Response Elements	75
Errors	76
See Also	77
ListDataIntegrationFlowExecutions	78
Request Syntax	78
URI Request Parameters	78
Request Body	79

Response Syntax	79
Response Elements	79
Errors	80
See Also	81
ListDataIntegrationFlows	82
Request Syntax	82
URI Request Parameters	82
Request Body	82
Response Syntax	82
Response Elements	84
Errors	85
See Also	86
ListDataLakeDatasets	87
Request Syntax	87
URI Request Parameters	87
Request Body	88
Response Syntax	88
Response Elements	89
Errors	89
See Also	90
ListDataLakeNamespaces	92
Request Syntax	92
URI Request Parameters	92
Request Body	92
Response Syntax	93
Response Elements	93
Errors	94
See Also	95
ListInstances	96
Request Syntax	96
URI Request Parameters	96
Request Body	97
Response Syntax	97
Response Elements	97
Errors	98
See Also	99

ListTagsForResource	100
Request Syntax	100
URI Request Parameters	100
Request Body	100
Response Syntax	100
Response Elements	101
Errors	101
See Also	102
SendDataIntegrationEvent	103
Request Syntax	103
URI Request Parameters	103
Request Body	103
Response Syntax	106
Response Elements	106
Errors	106
See Also	107
TagResource	109
Request Syntax	109
URI Request Parameters	109
Request Body	109
Response Syntax	110
Response Elements	110
Errors	110
See Also	111
UntagResource	112
Request Syntax	112
URI Request Parameters	112
Request Body	112
Response Syntax	112
Response Elements	113
Errors	113
See Also	114
UpdateDataIntegrationFlow	115
Request Syntax	115
URI Request Parameters	116
Request Body	117

Response Syntax	118
Response Elements	119
Errors	120
See Also	121
UpdateDataLakeDataset	122
Request Syntax	122
URI Request Parameters	122
Request Body	123
Response Syntax	123
Response Elements	124
Errors	125
See Also	126
UpdateDataLakeNamespace	127
Request Syntax	127
URI Request Parameters	127
Request Body	127
Response Syntax	128
Response Elements	128
Errors	128
See Also	129
UpdateInstance	131
Request Syntax	131
URI Request Parameters	131
Request Body	131
Response Syntax	132
Response Elements	132
Errors	133
See Also	134
Data Types	135
BillOfMaterialsImportJob	137
Contents	137
See Also	138
DataIntegrationEvent	139
Contents	139
See Also	140
DataIntegrationEventDataSetLoadExecutionDetails	141

Contents	141
See Also	141
DataIntegrationEventDatasetTargetConfiguration	142
Contents	142
See Also	142
DataIntegrationEventDatasetTargetDetails	143
Contents	143
See Also	144
DataIntegrationFlow	145
Contents	145
See Also	146
DataIntegrationFlowDatasetOptions	147
Contents	147
See Also	148
DataIntegrationFlowDatasetSource	149
Contents	149
See Also	149
DataIntegrationFlowDatasetSourceConfiguration	150
Contents	150
See Also	150
DataIntegrationFlowDatasetTargetConfiguration	151
Contents	151
See Also	151
DataIntegrationFlowDedupeStrategy	152
Contents	152
See Also	152
DataIntegrationFlowExecution	153
Contents	153
See Also	155
DataIntegrationFlowExecutionOutputMetadata	156
Contents	156
See Also	156
DataIntegrationFlowExecutionSourceInfo	157
Contents	157
See Also	157
DataIntegrationFlowFieldPriorityDedupeField	158

Contents	158
See Also	158
DataIntegrationFlowFieldPriorityDedupeStrategyConfiguration	159
Contents	159
See Also	159
DataIntegrationFlowS3Options	160
Contents	160
See Also	160
DataIntegrationFlowS3Source	161
Contents	161
See Also	161
DataIntegrationFlowS3SourceConfiguration	162
Contents	162
See Also	162
DataIntegrationFlowS3TargetConfiguration	164
Contents	164
See Also	164
DataIntegrationFlowSource	166
Contents	166
See Also	167
DataIntegrationFlowSQLTransformationConfiguration	168
Contents	168
See Also	168
DataIntegrationFlowTarget	169
Contents	169
See Also	169
DataIntegrationFlowTransformation	171
Contents	171
See Also	171
DataLakeDataset	172
Contents	172
See Also	174
DataLakeDatasetPartitionField	175
Contents	175
See Also	175
DataLakeDatasetPartitionFieldTransform	176

Contents	176
See Also	176
DataLakeDatasetPartitionSpec	177
Contents	177
See Also	177
DataLakeDatasetPrimaryKeyField	178
Contents	178
See Also	178
DataLakeDatasetSchema	179
Contents	179
See Also	180
DataLakeDatasetSchemaField	181
Contents	181
See Also	181
DataLakeNamespace	183
Contents	183
See Also	184
Instance	185
Contents	185
See Also	187
Common Parameters	188
Common Errors	191

Welcome

AWS Supply Chain is a cloud-based application that works with your enterprise resource planning (ERP) and supply chain management systems. Using AWS Supply Chain, you can connect and extract your inventory, supply, and demand related data from existing ERP or supply chain systems into a single data model.

The AWS Supply Chain API supports configuration data import for Supply Planning.

All AWS Supply chain API operations are Amazon-authenticated and certificate-signed. They not only require the use of the AWS SDK, but also allow for the exclusive use of AWS Identity and Access Management users and roles to help facilitate access, trust, and permission policies.

This document was last published on August 8, 2025.

Actions

The following actions are supported:

- [CreateBillOfMaterialsImportJob](#)
- [CreateDataIntegrationFlow](#)
- [CreateDataLakeDataset](#)
- [CreateDataLakeNamespace](#)
- [CreateInstance](#)
- [DeleteDataIntegrationFlow](#)
- [DeleteDataLakeDataset](#)
- [DeleteDataLakeNamespace](#)
- [DeleteInstance](#)
- [GetBillOfMaterialsImportJob](#)
- [GetDataIntegrationEvent](#)
- [GetDataIntegrationFlow](#)
- [GetDataIntegrationFlowExecution](#)
- [GetDataLakeDataset](#)
- [GetDataLakeNamespace](#)
- [GetInstance](#)
- [ListDataIntegrationEvents](#)
- [ListDataIntegrationFlowExecutions](#)
- [ListDataIntegrationFlows](#)
- [ListDataLakeDatasets](#)
- [ListDataLakeNamespaces](#)
- [ListInstances](#)
- [ListTagsForResource](#)
- [SendDataIntegrationEvent](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateDataIntegrationFlow](#)

- [UpdateDataLakeDataset](#)
- [UpdateDataLakeNamespace](#)
- [UpdateInstance](#)

CreateBillOfMaterialsImportJob

CreateBillOfMaterialsImportJob creates an import job for the Product Bill Of Materials (BOM) entity. For information on the product_bom entity, see the AWS Supply Chain User Guide.

The CSV file must be located in an Amazon S3 location accessible to AWS Supply Chain. It is recommended to use the same Amazon S3 bucket created during your AWS Supply Chain instance creation.

Request Syntax

```
POST /api/configuration/instances/instanceId/bill-of-materials-import-jobs HTTP/1.1
Content-type: application/json

{
  "clientTokenstring",
  "s3uristring"
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

An idempotency token ensures the API request is only completed no more than once. This way, retrying the request will not trigger the operation multiple times. A client token is a unique,

case-sensitive string of 33 to 128 ASCII characters. To make an idempotent API request, specify a client token in the request. You should not reuse the same client token for other requests. If you retry a successful request with the same client token, the request will succeed with no further actions being taken, and you will receive the same API response as the original successful request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 126.

Required: No

s3uri

The S3 URI of the CSV file to be imported. The bucket must grant permissions for AWS Supply Chain to read the file.

Type: String

Length Constraints: Minimum length of 10.

Pattern: [sS]3://[a-z0-9][a-z0-9.-]{1,61}[a-z0-9]/.+

Required: Yes

Response Syntax

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

{
    "jobId": "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.

jobId

The new BillOfMaterialsImportJob identifier.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

CreateDataIntegrationFlow

Enables you to programmatically create a data pipeline to ingest data from source systems such as Amazon S3 buckets, to a predefined AWS Supply Chain dataset (product, inbound_order) or a temporary dataset along with the data transformation query provided with the API.

Request Syntax

```
PUT /api/data-integration/instance/instanceId/data-integration-flows/name HTTP/1.1
Content-type: application/json
```

```
{
  "sourcesdatasetSourcedatasetIdentifierstring",
        "optionsdedupeRecordsboolean,
          "dedupeStrategyfieldPriorityfieldsnamestring",
                  "sortOrderstring"
                }
              ]
            },
            "typestring"
          },
          "loadTypestring"
        }
      },
      "s3SourcebucketNamestring",
        "optionsfileTypestring"
        },
        "prefixstring"
      },
      "sourceNamestring",
      "sourceTypestring"
    }
}
```

```
],
  "tags": {
    "string" : "string"
},
  "target": {
    "datasetTarget": {
      "datasetIdentifier": "string",
      "options": {
        "dedupeRecords": boolean,
        "dedupeStrategy": {
          "fieldPriority": {
            "fields": [
              {
                "name": "string",
                "sortOrder": "string"
              }
            ]
          },
          "type": "string"
        },
        "loadType": "string"
      }
    },
    "s3Target": {
      "bucketName": "string",
      "options": {
        "fileType": "string"
      },
      "prefix": "string"
    },
    "targetType": "string"
},
  "transformation": {
    "sqlTransformation": {
      "query": "string"
    },
    "transformationType": "string"
}
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

name

Name of the DataIntegrationFlow.

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

Pattern: [A-Za-z0-9-]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

sources

The source configurations for DataIntegrationFlow.

Type: Array of [DataIntegrationFlowSource](#) objects

Array Members: Minimum number of 1 item. Maximum number of 40 items.

Required: Yes

tags

The tags of the DataIntegrationFlow to be created

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

target

The target configurations for DataIntegrationFlow.

Type: [DataIntegrationFlowTarget](#) object

Required: Yes

transformation

The transformation configurations for DataIntegrationFlow.

Type: [DataIntegrationFlowTransformation](#) object

Required: Yes

Response Syntax

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

{
  "instanceId": "string",
  "name": "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.

instanceId

The AWS Supply Chain instance identifier.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

[name](#)

The name of the DataIntegrationFlow created.

Type: String

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

Pattern: [A-Za-z0-9-]+

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

CreateDataLakeDataset

Enables you to programmatically create an AWS Supply Chain data lake dataset. Developers can create the datasets using their pre-defined or custom schema for a given instance ID, namespace, and dataset name.

Request Syntax

```
PUT /api/datalake/instance/instanceId/namespaces/namespace/datasets/name HTTP/1.1
Content-type: application/json

{
  "description": "string",
  "partitionSpec": {
    "fields": [
      {
        "name": "string",
        "transform": {
          "type": "string"
        }
      }
    ]
  },
  "schema": {
    "fields": [
      {
        "isRequired": boolean,
        "name": "string",
        "type": "string"
      }
    ],
    "name": "string",
    "primaryKeys": [
      {
        "name": "string"
      }
    ]
  },
  "tags": {
    "string : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

name

The name of the dataset. For **asc** name space, the name must be one of the supported data entities under <https://docs.aws.amazon.com/aws-supply-chain/latest/userguide/data-model-asc.html>.

Length Constraints: Minimum length of 1. Maximum length of 75.

Pattern: [a-z0-9_]+

Required: Yes

namespace

The namespace of the dataset, besides the custom defined namespace, every instance comes with below pre-defined namespaces:

- **asc** - For information on the AWS Supply Chain supported datasets see <https://docs.aws.amazon.com/aws-supply-chain/latest/userguide/data-model-asc.html>.
- **default** - For datasets with custom user-defined schemas.

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

Pattern: [a-z0-9_]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

The description of the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: No

partitionSpec

The partition specification of the dataset. Partitioning can effectively improve the dataset query performance by reducing the amount of data scanned during query execution. But partitioning or not will affect how data get ingested by data ingestion methods, such as SendDataIntegrationEvent's dataset UPSERT will upsert records within partition (instead of within whole dataset). For more details, refer to those data ingestion documentations.

Type: [DataLakeDatasetPartitionSpec](#) object

Required: No

schema

The custom schema of the data lake dataset and required for dataset in **default** and custom namespaces.

Type: [DataLakeDatasetSchema](#) object

Required: No

tags

The tags of the dataset.

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

```
{  
  "dataset": {  
    "arn": "string",  
    "createdTime": number,  
    "description": "string",  
    "instanceId": "string",  
    "lastModifiedTime": number,  
    "name": "string",  
    "namespace": "string",  
    "partitionSpec": {  
      "fields": [  
        {  
          "name": "string",  
          "transform": {  
            "type": "string"  
          }  
        }  
      ]  
    },  
    "schema": {  
      "fields": [  
        {  
          "isRequired": boolean,  
          "name": "string",  
          "type": "string"  
        }  
      ],  
      "name": "string",  
      "primaryKeys": [  
        {  
          "name": "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.

dataset

The detail of created dataset.

Type: [DataLakeDataset](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

CreateDataLakeNamespace

Enables you to programmatically create an AWS Supply Chain data lake namespace. Developers can create the namespaces for a given instance ID.

Request Syntax

```
PUT /api/datalake/instance/instanceId/namespaces/name HTTP/1.1  
Content-type: application/json
```

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

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

name

The name of the namespace. Noted you cannot create namespace with name starting with **asc, default, scn, aws, amazon, amzn**

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

Pattern: [a-z0-9_]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

[description](#)

The description of the namespace.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: No

[tags](#)

The tags of the namespace.

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

{
  "namespace": {
    "arn": "string",
    "createdTime": number,
    "description": "string",
    "instanceId": "string",
    "lastModifiedTime": number,
    "name": "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.

namespace

The detail of created namespace.

Type: [DataLakeNamespace](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

CreateInstance

Enables you to programmatically create an AWS Supply Chain instance by applying KMS keys and relevant information associated with the API without using the AWS console.

This is an asynchronous operation. Upon receiving a CreateInstance request, AWS Supply Chain immediately returns the instance resource, instance ID, and the initializing state while simultaneously creating all required AWS resources for an instance creation. You can use GetInstance to check the status of the instance. If the instance results in an unhealthy state, you need to check the error message, delete the current instance, and recreate a new one based on the mitigation from the error message.

Request Syntax

```
POST /api/instance HTTP/1.1
Content-type: application/json

{
  "clientTokeninstanceDescriptioninstanceNamekmsKeyArntagswebAppDnsDomain
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

The client token for idempotency.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 126.

Required: No

instanceDescription

The AWS Supply Chain instance description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 501.

Pattern: ([a-zA-Z0-9., _'%-]){0,500}

Required: No

instanceName

The AWS Supply Chain instance name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: (?![_'%-])[a-zA-Z0-9 _'%-]{0,62}[a-zA-Z0-9]

Required: No

kmsKeyArn

The ARN (Amazon Resource Name) of the Key Management Service (KMS) key you provide for encryption. This is required if you do not want to use the AWS owned KMS key. If you don't provide anything here, AWS Supply Chain uses the AWS owned KMS key.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: arn:[a-zA-Z0-9][-a-zA-Z0-9]{0,62}:kms:([a-zA-Z0-9][-a-zA-Z0-9]{0,62})?:([a-zA-Z0-9][-a-zA-Z0-9]{0,62})?:key/.{0,1019}

Required: No

tags

The AWS tags of an instance to be created.

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

[webAppDnsDomain](#)

The DNS subdomain of the web app. This would be "example" in the URL "example.scn.global.on.aws". You can set this to a custom value, as long as the domain isn't already being used by someone else. The name may only include alphanumeric characters and hyphens.

Type: String

Pattern: (?![-])[a-zA-Z0-9-]{1,62}[a-zA-Z0-9]

Required: No

Response Syntax

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

{
  "instance": {
    "awsAccountIdcreatedTime": number,
    "errorMessage": "string",
    "instanceDescription": "string",
    "instanceId": "string",
    "instanceName": "string",
    "kmsKeyArn": "string",
    "lastModifiedTime": number,
    "state": "string",
    "versionNumber": number,
    "webAppDnsDomain": "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.

instance

The AWS Supply Chain instance resource data details.

Type: [Instance](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

DeleteDataIntegrationFlow

Enable you to programmatically delete an existing data pipeline for the provided AWS Supply Chain instance and DataIntegrationFlow name.

Request Syntax

```
DELETE /api/data-integration/instance/instanceId/data-integration-flows/name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

name

The name of the DataIntegrationFlow to be deleted.

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

Pattern: [A-Za-z0-9-]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

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

```
{  
  "instanceId  "name}
```

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.

[instanceId](#)

The AWS Supply Chain instance identifier.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

[name](#)

The name of the DataIntegrationFlow deleted.

Type: String

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

Pattern: [A-Za-z0-9-]+

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

DeleteDataLakeDataset

Enables you to programmatically delete an AWS Supply Chain data lake dataset. Developers can delete the existing datasets for a given instance ID, namespace, and instance name.

Request Syntax

```
DELETE /api/datalake/instance/instanceId/namespaces/namespace/datasets/name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

name

The name of the dataset. For **asc** namespace, the name must be one of the supported data entities under <https://docs.aws.amazon.com/aws-supply-chain/latest/userguide/data-model-asc.html>.

Length Constraints: Minimum length of 1. Maximum length of 75.

Pattern: [a-z0-9_]+

Required: Yes

namespace

The namespace of the dataset, besides the custom defined namespace, every instance comes with below pre-defined namespaces:

- **asc** - For information on the AWS Supply Chain supported datasets see <https://docs.aws.amazon.com/aws-supply-chain/latest/userguide/data-model-asc.html>.
- **default** - For datasets with custom user-defined schemas.

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

Pattern: [a-z0-9_]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "instanceId": "string",
  "name": "string",
  "namespace": "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.

instanceId

The AWS Supply Chain instance identifier.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

name

The name of deleted dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 75.

Pattern: [a-z0-9_]+

namespace

The namespace of deleted dataset.

Type: String

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

Pattern: [a-z0-9_]+

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

DeleteDataLakeNamespace

Enables you to programmatically delete an AWS Supply Chain data lake namespace and its underling datasets. Developers can delete the existing namespaces for a given instance ID and namespace name.

Request Syntax

```
DELETE /api/datalake/instance/instanceId/namespaces/name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

name

The name of the namespace. Noted you cannot delete pre-defined namespace like **asc**, **default** which are only deleted through instance deletion.

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

Pattern: [a-z0-9_]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

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

```
{  
  "instanceId": "string",  
  "name": "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.

instanceId

The AWS Supply Chain instance identifier.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

name

The name of deleted namespace.

Type: String

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

Pattern: [a-z0-9_]+

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

DeleteInstance

Enables you to programmatically delete an AWS Supply Chain instance by deleting the KMS keys and relevant information associated with the API without using the AWS console.

This is an asynchronous operation. Upon receiving a DeleteInstance request, AWS Supply Chain immediately returns a response with the instance resource, delete state while cleaning up all AWS resources created during the instance creation process. You can use the GetInstance action to check the instance status.

Request Syntax

```
DELETE /api/instance/instanceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "instance": {
    "awsAccountIdstring",
```

```
  "createdTime": number,
  "errorMessage": "string",
  "instanceDescription": "string",
  "instanceId": "string",
  "instanceName": "string",
  "kmsKeyArn": "string",
  "lastModifiedTime": number,
  "state": "string",
  "versionNumber": number,
  "webAppDnsDomain": "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.

instance

The AWS Supply Chain instance resource data details.

Type: [Instance](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

GetBillOfMaterialsImportJob

Get status and details of a BillOfMaterialsImportJob.

Request Syntax

```
GET /api/configuration/instances/instanceId/bill-of-materials-import-jobs/jobId
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

jobId

The BillOfMaterialsImportJob identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

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

```
{  
  "job": {  
    "instanceId": "string",  
    "jobId": "string",  
    "message": "string",  
    "s3uri": "string",  
    "status": "string"  
  }  
}
```

Response Elements

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

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

job

The BillOfMaterialsImportJob.

Type: [BillOfMaterialsImportJob](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

GetDataIntegrationEvent

Enables you to programmatically view an AWS Supply Chain Data Integration Event. Developers can view the eventType, eventGroupId, eventTimestamp, datasetTarget, datasetLoadExecution. Data integration event older than 30 days is not returned in the response.

Request Syntax

```
GET /api-data/data-integration/instance/instanceId/data-integration-events/eventId
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

eventId

The unique event identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "event": {
    "datasetTargetDetails": {
      "datasetIdentifier": "string",
      "datasetLoadExecution": {
        "message": "string",
        "status": "string"
      },
      "operationType": "string"
    },
    "eventGroupId": "string",
    "eventId": "string",
    "eventTimestamp": number,
    "eventType": "string",
    "instanceId": "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.

event

The details of the DataIntegrationEvent returned.

Type: [DataIntegrationEvent](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

GetDataIntegrationFlow

Enables you to programmatically view a specific data pipeline for the provided AWS Supply Chain instance and DataIntegrationFlow name.

Request Syntax

```
GET /api/data-integration/instance/instanceId/data-integration-flows/name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

name

The name of the DataIntegrationFlow created.

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

Pattern: [A-Za-z0-9-]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
```

```
"flowcreatedTimeinstanceIdlastModifiedTimenamesourcesdatasetSourcedatasetIdentifieroptionsdedupeRecordsdedupeStrategyfieldPriorityfieldsnamesortOrdertypeloadTypes3SourcebucketNameoptionsfileTypeprefixsourceNamesourceTypetargetdatasetTargetdatasetIdentifieroptionsdedupeRecordsdedupeStrategyfieldPriorityfields
```

```
{  
    "name": "string",  
    "sortOrder": "string"  
}  
]  
,  
"type": "string"  
,  
"loadType": "string"  
}  
},  
"s3Target": {  
    "bucketName": "string",  
    "options": {  
        "fileType": "string"  
    },  
    "prefix": "string"  
},  
"targetType": "string"  
},  
"transformation": {  
    "sqlTransformation": {  
        "query": "string"  
    },  
    "transformationType": "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.

[flow](#)

The details of the DataIntegrationFlow returned.

Type: [DataIntegrationFlow](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

GetDataIntegrationFlowExecution

Get the flow execution. Flow execution older than 1 year is not returned in the response.

Request Syntax

```
GET /api-data/data-integration/instance/instanceId/data-integration-flows/flowName/executions/executionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

executionId

The flow execution identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

flowName

The flow name.

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

Pattern: [A-Za-z0-9-]+

Required: Yes

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "flowExecution": {
    "endTime": number,
    "executionId": "string",
    "flowName": "string",
    "instanceId": "string",
    "message": "string",
    "outputMetadata": {
      "diagnosticReportsRootS3URI": "string"
    },
    "sourceInfo": {
      "datasetSource": {
        "datasetIdentifier": "string"
      },
      "s3Source": {
        "bucketName": "string",
        "key": "string"
      },
      "sourceType": "string"
    },
    "startTime": number,
    "status": "string"
  }
}
```

Response Elements

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

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

[flowExecution](#)

The flow execution details.

Type: [DataIntegrationFlowExecution object](#)

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

GetDataLakeDataset

Enables you to programmatically view an AWS Supply Chain data lake dataset. Developers can view the data lake dataset information such as namespace, schema, and so on for a given instance ID, namespace, and dataset name.

Request Syntax

```
GET /api/datalake/instance/instanceId/namespaces/namespace/datasets/name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

name

The name of the dataset. For **asc** namespace, the name must be one of the supported data entities under <https://docs.aws.amazon.com/aws-supply-chain/latest/userguide/data-model-asc.html>.

Length Constraints: Minimum length of 1. Maximum length of 75.

Pattern: [a-z0-9_]+

Required: Yes

namespace

The namespace of the dataset, besides the custom defined namespace, every instance comes with below pre-defined namespaces:

- **asc** - For information on the AWS Supply Chain supported datasets see <https://docs.aws.amazon.com/aws-supply-chain/latest/userguide/data-model-asc.html>.

- **default** - For datasets with custom user-defined schemas.

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

Pattern: [a-z0-9_]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "dataset": {
    "arn": "string",
    "createdTime": number,
    "description": "string",
    "instanceId": "string",
    "lastModifiedTime": number,
    "name": "string",
    "namespace": "string",
    "partitionSpec": {
      "fields": [
        {
          "name": "string",
          "transform": {
            "type": "string"
          }
        }
      ]
    },
    "schema": {
      "fields": [
        {
          "isRequired": boolean,
          "name": "string",
          "type": "string"
        }
      ]
    }
  }
}
```

```
        }
    ],
    "name": "string",
    "primaryKeys": [
        {
            "name": "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.

[dataset](#)

The fetched dataset details.

Type: [DataLakeDataset](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

GetDataLakeNamespace

Enables you to programmatically view an AWS Supply Chain data lake namespace. Developers can view the data lake namespace information such as description for a given instance ID and namespace name.

Request Syntax

```
GET /api/datalake/instance/instanceId/namespaces/name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

name

The name of the namespace. Besides the namespaces user created, you can also specify the pre-defined namespaces:

- **asc** - Pre-defined namespace containing AWS Supply Chain supported datasets, see <https://docs.aws.amazon.com/aws-supply-chain/latest/userguide/data-model-asc.html>.
- **default** - Pre-defined namespace containing datasets with custom user-defined schemas.

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

Pattern: [a-z0-9_]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "namespace": {
    "arn": "string",
    "createdTime": number,
    "description": "string",
    "instanceId": "string",
    "lastModifiedTime": number,
    "name": "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.

namespace

The fetched namespace details.

Type: [DataLakeNamespace](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

GetInstance

Enables you to programmatically retrieve the information related to an AWS Supply Chain instance ID.

Request Syntax

```
GET /api/instance/instanceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "instance": {
    "awsAccountId": "string",
    "createdTime": number,
    "errorMessage": "string",
    "instanceDescription": "string",
    "instanceId": "string",
    "instanceName": "string",
```

```
"kmsKeyArn": "string",
"lastModifiedTimestate": "string",
"versionNumber": "number",
"webAppDnsDomain": "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.

instance

The instance resource data details.

Type: [Instance](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

ListDataIntegrationEvents

Enables you to programmatically list all data integration events for the provided AWS Supply Chain instance. Data integration events older than 30 days are not returned in the response.

Request Syntax

```
GET /api-data/data-integration/instance/instanceId/data-integration-events?  
eventType=eventType&maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[eventType](#)

List data integration events for the specified eventType.

Valid Values: scn.data.forecast | scn.data.inventorylevel
| scn.data.inboundorder | scn.data.inboundorderline |
scn.data.inboundorderlineschedule | scn.data.outboundorderline
| scn.data.outboundshipment | scn.data.processheader |
scn.data.processoperation | scn.data.processproduct |
scn.data.reservation | scn.data.shipment | scn.data.shipmentstop |
scn.data.shipmentstoporder | scn.data.supplyplan | scn.data.dataset

[instanceId](#)

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

[maxResults](#)

Specify the maximum number of data integration events to fetch in one paginated request.

Valid Range: Minimum value of 1. Maximum value of 20.

nextToken

The pagination token to fetch the next page of the data integration events.

Length Constraints: Minimum length of 1. Maximum length of 65535.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "events": [
    {
      "datasetTargetDetails": {
        "datasetIdentifier": "string",
        "datasetLoadExecution": {
          "message": "string",
          "status": "string"
        },
        "operationType": "string"
      },
      "eventGroupId": "string",
      "eventId": "string",
      "eventTimestamp": number,
      "eventType": "string",
      "instanceId": "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.

events

The list of data integration events.

Type: Array of [DataIntegrationEvent](#) objects

nextToken

The pagination token to fetch the next page of the ListDataIntegrationEvents.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 65535.

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

ListDataIntegrationFlowExecutions

List flow executions. Flow executions older than 1 year are not returned in the response.

Request Syntax

```
GET /api-data/data-integration/instance/instanceId/data-integration-flows/FlowName/executions?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

flowName

The flow name.

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

Pattern: [A-Za-z0-9-]+

Required: Yes

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

maxResults

The number to specify the max number of flow executions to fetch in this paginated request.

Valid Range: Minimum value of 1. Maximum value of 20.

nextToken

The pagination token to fetch next page of flow executions.

Length Constraints: Minimum length of 1. Maximum length of 65535.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "flowExecutions": [
    {
      "endTime": number,
      "executionId": "string",
      "flowName": "string",
      "instanceId": "string",
      "message": "string",
      "outputMetadata": {
        "diagnosticReportsRootS3URI": "string"
      },
      "sourceInfo": {
        "datasetSource": {
          "datasetIdentifier": "string"
        },
        "s3Source": {
          "bucketName": "string",
          "key": "string"
        },
        "sourceType": "string"
      },
      "startTime": number,
      "status": "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.

flowExecutions

The list of flow executions.

Type: Array of [DataIntegrationFlowExecution](#) objects

nextToken

The pagination token to fetch next page of flow executions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 65535.

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

ListDataIntegrationFlows

Enables you to programmatically list all data pipelines for the provided AWS Supply Chain instance.

Request Syntax

```
GET /api/data-integration/instance/instanceId/data-integration-flows?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

maxResults

Specify the maximum number of DataIntegrationFlows to fetch in one paginated request.

Valid Range: Minimum value of 0. Maximum value of 20.

nextToken

The pagination token to fetch the next page of the DataIntegrationFlows.

Length Constraints: Minimum length of 1. Maximum length of 65535.

Request Body

The request does not have a request body.

Response Syntax

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

```
{  
  "flows": [  
    {  
      "createdTime": number,  
      "instanceId": "string",  
      "lastModifiedTime": number,  
      "name": "string",  
      "sources": [  
        {  
          "datasetSource": {  
            "datasetIdentifier": "string",  
            "options": {  
              "dedupeRecords": boolean,  
              "dedupeStrategy": {  
                "fieldPriority": {  
                  "fields": [  
                    {  
                      "name": "string",  
                      "sortOrder": "string"  
                    }  
                  ]  
                },  
                "type": "string"  
              },  
              "loadType": "string"  
            },  
            "s3Source": {  
              "bucketName": "string",  
              "options": {  
                "fileType": "string"  
              },  
              "prefix": "string"  
            },  
              "sourceName": "string",  
              "sourceType": "string"  
            },  
          ],  
          "target": {  
            "datasetTarget": {  
              "datasetIdentifier": "string",  
              "options": {  
                "dedupeRecords": boolean,  
                "dedupeStrategy": {  
                  "fieldPriority": {  
                    "fields": [  
                      {  
                        "name": "string",  
                        "sortOrder": "string"  
                      }  
                    ]  
                  },  
                  "type": "string"  
                },  
                "loadType": "string"  
              },  
              "s3Target": {  
                "bucketName": "string",  
                "options": {  
                  "fileType": "string"  
                },  
                "prefix": "string"  
              },  
              "sourceName": "string",  
              "sourceType": "string"  
            },  
          }  
        }  
      ]  
    }  
  ]  
}
```

```
"dedupeStrategy": {  
    "fieldPriority": {  
        "fields": [  
            {  
                "name": "string",  
                "sortOrder": "string"  
            }  
        ]  
    },  
    "type": "string"  
},  
    "loadType": "string"  
}  
},  
"s3Target": {  
    "bucketName": "string",  
    "options": {  
        "fileType": "string"  
    },  
    "prefix": "string"  
},  
    "targetType": "string"  
},  
"transformation": {  
    "sqlTransformation": {  
        "query": "string"  
    },  
    "transformationType": "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.

flows

The response parameters for `ListDataIntegrationFlows`.

Type: Array of [DataIntegrationFlow](#) objects

nextToken

The pagination token to fetch the next page of the DataIntegrationFlows.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 65535.

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

ListDataLakeDatasets

Enables you to programmatically view the list of AWS Supply Chain data lake datasets. Developers can view the datasets and the corresponding information such as namespace, schema, and so on for a given instance ID and namespace.

Request Syntax

```
GET /api/datalake/instance/instanceId/namespaces/namespace/datasets?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

maxResults

The max number of datasets to fetch in this paginated request.

Valid Range: Minimum value of 0. Maximum value of 20.

namespace

The namespace of the dataset, besides the custom defined namespace, every instance comes with below pre-defined namespaces:

- **asc** - For information on the AWS Supply Chain supported datasets see <https://docs.aws.amazon.com/aws-supply-chain/latest/userguide/data-model-asc.html>.
- **default** - For datasets with custom user-defined schemas.

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

Pattern: [a-z0-9_]+

Required: Yes

nextToken

The pagination token to fetch next page of datasets.

Length Constraints: Minimum length of 1. Maximum length of 65535.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "datasetsarncreatedTimedescriptioninstanceIdlastModifiedTimenamenamespacepartitionSpecfieldsnametransformtypeschemafieldsisRequirednametypeschemafieldsisRequirednametype
```

```
        }
    ],
    "name": "string",
    "primaryKeys": [
        {
            "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.

[datasets](#)

The list of fetched dataset details.

Type: Array of [DataLakeDataset](#) objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

[nextToken](#)

The pagination token to fetch next page of datasets.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 65535.

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

ListDataLakeNamespaces

Enables you to programmatically view the list of AWS Supply Chain data lake namespaces. Developers can view the namespaces and the corresponding information such as description for a given instance ID. Note that this API only return custom namespaces, instance pre-defined namespaces are not included.

Request Syntax

```
GET /api/datalake/instance/instanceId/namespaces?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

maxResults

The max number of namespaces to fetch in this paginated request.

Valid Range: Minimum value of 1. Maximum value of 20.

nextToken

The pagination token to fetch next page of namespaces.

Length Constraints: Minimum length of 1. Maximum length of 65535.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "namespaces": [
    {
      "arn": "string",
      "createdTime": number,
      "description": "string",
      "instanceId": "string",
      "lastModifiedTime": 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.

namespaces

The list of fetched namespace details. Noted it only contains custom namespaces, pre-defined namespaces are not included.

Type: Array of [DataLakeNamespace](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

nextToken

The pagination token to fetch next page of namespaces.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 65535.

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

ListInstances

List all AWS Supply Chain instances for a specific account. Enables you to programmatically list all AWS Supply Chain instances based on their account ID, instance name, and state of the instance (active or delete).

Request Syntax

```
GET /api/instance?  
instanceNameFilter=instanceNameFilter&instanceStateFilter=instanceStateFilter&maxResults=maxResults  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[instanceNameFilter](#)

The filter to ListInstances based on their names.

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: (?![_'`%-])[a-zA-Z0-9 _'`%-]{0,62}[a-zA-Z0-9]

[instanceStateFilter](#)

The filter to ListInstances based on their state.

Array Members: Minimum number of 0 items. Maximum number of 6 items.

Valid Values: Initializing | Active | CreateFailed | DeleteFailed | Deleting | Deleted

[maxResults](#)

Specify the maximum number of instances to fetch in this paginated request.

Valid Range: Minimum value of 0. Maximum value of 20.

[nextToken](#)

The pagination token to fetch the next page of instances.

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

Request Body

The request does not have a request body.

Response Syntax

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

{
  "instances": [
    {
      "awsAccountId": "string",
      "createdTime": number,
      "errorMessage": "string",
      "instanceDescription": "string",
      "instanceId": "string",
      "instanceName": "string",
      "kmsKeyArn": "string",
      "lastModifiedTime": number,
      "state": "string",
      "versionNumber": number,
      "webAppDnsDomain": "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.

instances

The list of instances resource data details.

Type: Array of [Instance](#) objects

nextToken

The pagination token to fetch the next page of instances.

Type: String

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

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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

List all the tags for an AWSSupply Chain resource. You can list all the tags added to a resource. By listing the tags, developers can view the tag level information on a resource and perform actions such as, deleting a resource associated with a particular tag.

Request Syntax

```
GET /api/tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The AWS Supply chain resource ARN that needs tags to be listed.

Length Constraints: Minimum length of 20. Maximum length of 1011.

Pattern: arn:aws:scn(?:([a-z0-9-]+)([0-9]+):instance)?/([a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12})[-_./A-Za-z0-9]*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

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

Response Elements

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

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

tags

The tags added to an AWS Supply Chain 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.

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

SendDataIntegrationEvent

Send the data payload for the event with real-time data for analysis or monitoring. The real-time data events are stored in an AWS service before being processed and stored in data lake.

Request Syntax

```
POST /api-data/data-integration/instance/instanceId/data-integration-events HTTP/1.1
Content-type: application/json

{
  "clientTokendatadatasetTargetdatasetIdentifieroperationTypeeventGroupIdeventTimestampeventType
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

[clientToken](#)

The idempotent client token. The token is active for 8 hours, and within its lifetime, it ensures the request completes only once upon retry with same client token. If omitted, the AWS SDK generates a unique value so that AWS SDK can safely retry the request upon network errors.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 126.

Required: No

[data](#)

The data payload of the event, should follow the data schema of the target dataset, or see [Data entities supported in AWS Supply Chain](#). To send single data record, use JsonObject format; to send multiple data records, use JSONArray format.

Note that for AWS Supply Chain dataset under **asc** namespace, it has a connection_id internal field that is not allowed to be provided by client directly, they will be auto populated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1048576.

Required: Yes

[datasetTarget](#)

The target dataset configuration for **scn.data.dataset** event type.

Type: [DataIntegrationEventDatasetTargetConfiguration](#) object

Required: No

[eventId](#)

Event identifier (for example, orderId for InboundOrder) used for data sharding or partitioning. Noted under one eventId of same eventType and instanceId, events are processed sequentially in the order they are received by the server.

Type: String

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

Required: Yes

eventTimestamp

The timestamp (in epoch seconds) associated with the event. If not provided, it will be assigned with current timestamp.

Type: Timestamp

Required: No

eventType

The data event type.

- **scn.data.dataset** - Send data directly to any specified dataset.
- **scn.data.supplyplan** - Send data to [supply_plan](#) dataset.
- **scn.data.shipmentstoporder** - Send data to [shipment_stop_order](#) dataset.
- **scn.data.shipmentstop** - Send data to [shipment_stop](#) dataset.
- **scn.data.shipment** - Send data to [shipment](#) dataset.
- **scn.data.reservation** - Send data to [reservation](#) dataset.
- **scn.data.processproduct** - Send data to [process_product](#) dataset.
- **scn.data.processoperation** - Send data to [process_operation](#) dataset.
- **scn.data.processheader** - Send data to [process_header](#) dataset.
- **scn.data.forecast** - Send data to [forecast](#) dataset.
- **scn.data.inventorylevel** - Send data to [inv_level](#) dataset.
- **scn.data.inboundorder** - Send data to [inbound_order](#) dataset.
- **scn.data.inboundorderline** - Send data to [inbound_order_line](#) dataset.
- **scn.data.inboundorderlineschedule** - Send data to [inbound_order_line_schedule](#) dataset.
- **scn.data.outboundorderline** - Send data to [outbound_order_line](#) dataset.
- **scn.data.outboundshipment** - Send data to [outbound_shipment](#) dataset.

Type: String

Valid Values: `scn.data.forecast | scn.data.inventorylevel | scn.data.inboundorder | scn.data.inboundorderline | scn.data.inboundorderlineschedule | scn.data.outboundorderline | scn.data.outboundshipment | scn.data.processheader |`

```
scn.data.processoperation | scn.data.processproduct |  
scn.data.reservation | scn.data.shipment | scn.data.shipmentstop |  
scn.data.shipmentstoporder | scn.data.supplyplan | scn.data.dataset
```

Required: Yes

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json  
  
{  
    "eventId": "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.

eventId

The unique event identifier.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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

You can create tags during or after creating a resource such as instance, data flow, or dataset in AWS Supply chain. During the data ingestion process, you can add tags such as dev, test, or prod to data flows created during the data ingestion process in the AWS Supply Chain datasets. You can use these tags to identify a group of resources or a single resource used by the developer.

Request Syntax

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

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The AWS Supply chain resource ARN that needs to be tagged.

Length Constraints: Minimum length of 20. Maximum length of 1011.

Pattern: arn:aws:scn(?::([a-z0-9-]+):([0-9]+):instance)?/([a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12})[-_./A-Za-z0-9]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

The tags of the AWS Supply chain resource to be created.

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](#).

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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

You can delete tags for an AWS Supply chain resource such as instance, data flow, or dataset in AWS Supply Chain. During the data ingestion process, you can delete tags such as dev, test, or prod to data flows created during the data ingestion process in the AWS Supply Chain datasets.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The AWS Supply chain resource ARN that needs to be untagged.

Length Constraints: Minimum length of 20. Maximum length of 1011.

Pattern: arn:aws:scn(?:([a-z0-9-]+)([0-9]+):instance)?/([a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12})[-_.A-Za-z0-9]*

Required: Yes

tagKeys

The list of tag keys to be deleted for an AWS Supply Chain 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](#).

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

UpdateDataIntegrationFlow

Enables you to programmatically update an existing data pipeline to ingest data from the source systems such as, Amazon S3 buckets, to a predefined AWS Supply Chain dataset (product, inbound_order) or a temporary dataset along with the data transformation query provided with the API.

Request Syntax

```
PATCH /api/data-integration/instance/instanceId/data-integration-flows/name HTTP/1.1
Content-type: application/json

{
  "sourcesdatasetSourcedatasetIdentifierstring",
        "optionsdedupeRecordsboolean,
          "dedupeStrategyfieldPriorityfieldsnamestring",
                  "sortOrderstring"
                }
              ]
            },
            "typestring"
          },
          "loadTypestring"
        }
      },
      "s3SourcebucketNamestring",
        "optionsfileTypestring"
        },
        "prefixstring"
      },
      "sourceNamestring",
      "sourceTypestring"
    }
  ]
}
```

```
        },
      ],
      "target": {
        "datasetTarget": {
          "datasetIdentifier": "string",
          "options": {
            "dedupeRecords": boolean,
            "dedupeStrategy": {
              "fieldPriority": {
                "fields": [
                  {
                    "name": "string",
                    "sortOrder": "string"
                  }
                ]
              },
              "type": "string"
            },
            "loadType": "string"
          }
        },
        "s3Target": {
          "bucketName": "string",
          "options": {
            "fileType": "string"
          },
          "prefix": "string"
        },
        "targetType": "string"
      },
      "transformation": {
        "sqlTransformation": {
          "query": "string"
        },
        "transformationType": "string"
      }
    }
}
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

name

The name of the DataIntegrationFlow to be updated.

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

Pattern: [A-Za-z0-9-]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

sources

The new source configurations for the DataIntegrationFlow.

Type: Array of [DataIntegrationFlowSource](#) objects

Array Members: Minimum number of 1 item. Maximum number of 40 items.

Required: No

target

The new target configurations for the DataIntegrationFlow.

Type: [DataIntegrationFlowTarget](#) object

Required: No

transformation

The new transformation configurations for the DataIntegrationFlow.

Type: [DataIntegrationFlowTransformation](#) object

Required: No

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{  
  "flow": {  
    "createdTime": number,  
    "instanceId": "string",  
    "lastModifiedTime": number,  
    "name": "string",  
    "sources": [  
      {  
        "datasetSource": {  
          "datasetIdentifier": "string",  
          "options": {  
            "dedupeRecords": boolean,  
            "dedupeStrategy": {  
              "fieldPriority": {  
                "fields": [  
                  {  
                    "name": "string",  
                    "sortOrder": "string"  
                  }  
                ]  
              },  
              "type": "string"  
            },  
            "loadType": "string"  
          }  
        },  
        "s3Source": {  
          "bucketName": "string",  
          "options": {  
            "fileType": "string"  
          },  
          "prefix": "string"  
        },  
        "sourceName": "string",  
        "transformations": [  
          {  
            "actions": [  
              {  
                "action": "string",  
                "args": {  
                  "arg1": "string",  
                  "arg2": "string"  
                }  
              }  
            ]  
          }  
        ]  
      }  
    ]  
  }  
}
```

```
        "sourceType": "string"
    }
],
"target": {
    "datasetTarget": {
        "datasetIdentifier": "string",
        "options": {
            "dedupeRecords": boolean,
            "dedupeStrategy": {
                "fieldPriority": {
                    "fields": [
                        {
                            "name": "string",
                            "sortOrder": "string"
                        }
                    ]
                },
                "type": "string"
            },
            "loadType": "string"
        }
    },
    "s3Target": {
        "bucketName": "string",
        "options": {
            "fileType": "string"
        },
        "prefix": "string"
    },
    "targetType": "string"
},
"transformation": {
    "sqlTransformation": {
        "query": "string"
    },
    "transformationType": "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.

flow

The details of the updated DataIntegrationFlow.

Type: [DataIntegrationFlow](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

UpdateDataLakeDataset

Enables you to programmatically update an AWS Supply Chain data lake dataset. Developers can update the description of a data lake dataset for a given instance ID, namespace, and dataset name.

Request Syntax

```
PATCH /api/datalake/instance/instanceId/namespaces/namespace/datasets/name HTTP/1.1
Content-type: application/json

{
    "description
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

name

The name of the dataset. For **asc** namespace, the name must be one of the supported data entities under <https://docs.aws.amazon.com/aws-supply-chain/latest/userguide/data-model-asc.html>.

Length Constraints: Minimum length of 1. Maximum length of 75.

Pattern: [a-z0-9_]+

Required: Yes

namespace

The namespace of the dataset, besides the custom defined namespace, every instance comes with below pre-defined namespaces:

- **asc** - For information on the AWS Supply Chain supported datasets see <https://docs.aws.amazon.com/aws-supply-chain/latest/userguide/data-model-asc.html>.
- **default** - For datasets with custom user-defined schemas.

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

Pattern: [a-z0-9_]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

The updated description of the data lake dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: No

Response Syntax

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

```
{
  "dataset": {
    "arn": "string",
    "createdTime": number,
    "description": "string",
    "instanceId": "string",
```

```
"lastModifiedTimenumber,
"namestring",
"namespacestring",
"partitionSpecfieldsnamestring",
            "transformtypestring"
            }
        }
    ]
},
"schemafieldsisRequiredboolean,
            "namestring",
            "typestring"
        }
    ],
    "namestring",
    "primaryKeysnamestring"
        }
    ]
}
}
```

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.

dataset

The updated dataset details.

Type: [DataLakeDataset](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

UpdateDataLakeNamespace

Enables you to programmatically update an AWS Supply Chain data lake namespace. Developers can update the description of a data lake namespace for a given instance ID and namespace name.

Request Syntax

```
PATCH /api/datalake/instance/instanceId/namespaces/name HTTP/1.1
Content-type: application/json

{
    "description
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

name

The name of the namespace. Noted you cannot update namespace with name starting with **asc**, **default**, **scn**, **aws**, **amazon**, **amzn**

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

Pattern: [a-z0-9_]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

The updated description of the data lake namespace.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: No

Response Syntax

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

{
  "namespace": {
    "arn": "string",
    "createdTime": number,
    "description": "string",
    "instanceId": "string",
    "lastModifiedTime": number,
    "name": "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.

namespace

The updated namespace details.

Type: [DataLakeNamespace](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [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](#)

UpdateInstance

Enables you to programmatically update an AWS Supply Chain instance description by providing all the relevant information such as account ID, instance ID and so on without using the AWS console.

Request Syntax

```
PATCH /api/instance/instanceId HTTP/1.1
Content-type: application/json

{
  "instanceDescriptioninstanceName
```

URI Request Parameters

The request uses the following URI parameters.

instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

instanceDescription

The AWS Supply Chain instance description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 501.

Pattern: ([a-zA-Z0-9., _'`%-]) $\{0,500\}$

Required: No

instanceName

The AWS Supply Chain instance name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: (?![_'`%-])[a-zA-Z0-9 _'`%-] $\{0,62\}$ [a-zA-Z0-9]

Required: No

Response Syntax

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

```
{
  "instance": {
    "awsAccountId": "string",
    "createdTime": number,
    "errorMessage": "string",
    "instanceDescription": "string",
    "instanceId": "string",
    "instanceName": "string",
    "kmsKeyArn": "string",
    "lastModifiedTime": number,
    "state": "string",
    "versionNumber": number,
    "webAppDnsDomain": "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.

instance

The instance resource data details.

Type: [Instance](#) object

Errors

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

AccessDeniedException

You do not have the required privileges to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

Data Types

The AWS Supply Chain 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:

- [BillOfMaterialsImportJob](#)
- [DataIntegrationEvent](#)
- [DataIntegrationEventDatasetLoadExecutionDetails](#)
- [DataIntegrationEventDatasetTargetConfiguration](#)
- [DataIntegrationEventDatasetTargetDetails](#)
- [DataIntegrationFlow](#)
- [DataIntegrationFlowDatasetOptions](#)
- [DataIntegrationFlowDatasetSource](#)
- [DataIntegrationFlowDatasetSourceConfiguration](#)
- [DataIntegrationFlowDatasetTargetConfiguration](#)
- [DataIntegrationFlowDedupeStrategy](#)
- [DataIntegrationFlowExecution](#)
- [DataIntegrationFlowExecutionOutputMetadata](#)
- [DataIntegrationFlowExecutionSourceInfo](#)
- [DataIntegrationFlowFieldPriorityDedupeField](#)
- [DataIntegrationFlowFieldPriorityDedupeStrategyConfiguration](#)
- [DataIntegrationFlowS3Options](#)
- [DataIntegrationFlowS3Source](#)
- [DataIntegrationFlowS3SourceConfiguration](#)
- [DataIntegrationFlowS3TargetConfiguration](#)

- [DataIntegrationFlowSource](#)
- [DataIntegrationFlowSQLTransformationConfiguration](#)
- [DataIntegrationFlowTarget](#)
- [DataIntegrationFlowTransformation](#)
- [DataLakeDataset](#)
- [DataLakeDatasetPartitionField](#)
- [DataLakeDatasetPartitionFieldTransform](#)
- [DataLakeDatasetPartitionSpec](#)
- [DataLakeDatasetPrimaryKeyField](#)
- [DataLakeDatasetSchema](#)
- [DataLakeDatasetSchemaField](#)
- [DataLakeNamespace](#)
- [Instance](#)

BillOfMaterialsImportJob

The BillOfMaterialsImportJob details.

Contents

instanceId

The BillOfMaterialsImportJob instanceId.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

jobId

The BillOfMaterialsImportJob jobId.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

s3uri

The S3 URI from which the CSV is read.

Type: String

Length Constraints: Minimum length of 10.

Pattern: [sS]3://[a-z0-9][a-z0-9.-]{1,61}[a-z0-9]/.+

Required: Yes

status

The BillOfMaterialsImportJob ConfigurationJobStatus.

Type: String

Valid Values: NEW | FAILED | IN_PROGRESS | QUEUED | SUCCESS

Required: Yes

message

When the BillOfMaterialsImportJob has reached a terminal state, there will be a message.

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](#)

DataIntegrationEvent

The data integration event details.

Contents

eventGroupId

Event identifier (for example, orderId for InboundOrder) used for data sharding or partitioning.

Type: String

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

Required: Yes

eventId

The unique event identifier.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

eventTimestamp

The event timestamp (in epoch seconds).

Type: Timestamp

Required: Yes

eventType

The data event type.

Type: String

Valid Values: scn.data.forecast | scn.data.inventorylevel
| scn.data.inboundorder | scn.data.inboundorderline |

```
scn.data.inboundorderlineschedule | scn.data.outboundorderline  
| scn.data.outboundshipment | scn.data.processheader |  
scn.data.processoperation | scn.data.processproduct |  
scn.data.reservation | scn.data.shipment | scn.data.shipmentstop |  
scn.data.shipmentstoporder | scn.data.supplyplan | scn.data.dataset
```

Required: Yes

instanceId

The AWS Supply Chain instance identifier.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

datasetTargetDetails

The target dataset details for a DATASET event type.

Type: [DataIntegrationEventDatasetTargetDetails](#) 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](#)

DataIntegrationEventDatasetLoadExecutionDetails

The target dataset load execution details.

Contents

status

The event load execution status to target dataset.

Type: String

Valid Values: SUCCEEDED | IN_PROGRESS | FAILED

Required: Yes

message

The failure message (if any) of failed event load execution to dataset.

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](#)

DataIntegrationEventDatasetTargetConfiguration

The target dataset configuration for a DATASET event type.

Contents

datasetIdentifier

The datalake dataset ARN identifier.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 1011.

Pattern: `arn:aws:scn:([a-z0-9-]+):([0-9]+):instance/([a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12})/namespaces/[^\n]+/datasets/[^\n]+`

Required: Yes

operationType

The target dataset load operation type.

Type: String

Valid Values: APPEND | UPSERT | DELETE

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](#)

DataIntegrationEventDatasetTargetDetails

The target dataset details for a DATASET event type.

Contents

datasetIdentifier

The datalake dataset ARN identifier.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 1011.

Pattern: `arn:aws:scn:([a-z0-9-]+)([0-9]+):instance/([a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12})/namespaces/[^\n]+/datasets/[^\n]+`

Required: Yes

datasetLoadExecution

The target dataset load execution.

Type: [DataIntegrationEventDatasetLoadExecutionDetails](#) object

Required: Yes

operationType

The target dataset load operation type. The available options are:

- **APPEND** - Add new records to the dataset. Noted that this operation type will just try to append records as-is without any primary key or partition constraints.
- **UPSERT** - Modify existing records in the dataset with primary key configured, events for datasets without primary keys are not allowed. If event data contains primary keys that match records in the dataset within same partition, then those existing records (in that partition) will be updated. If primary keys do not match, new records will be added. Note that if dataset contain records with duplicate primary key values in the same partition, those duplicate records will be deduped into one updated record.
- **DELETE** - Remove existing records in the dataset with primary key configured, events for datasets without primary keys are not allowed. If event data contains primary keys that

match records in the dataset within same partition, then those existing records (in that partition) will be deleted. If primary keys do not match, no actions will be done. Note that if dataset contain records with duplicate primary key values in the same partition, all those duplicates will be removed.

Type: String

Valid Values: APPEND | UPSERT | DELETE

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](#)

DataIntegrationFlow

The DataIntegrationFlow details.

Contents

createdTime

The DataIntegrationFlow creation timestamp.

Type: Timestamp

Required: Yes

instanceId

The DataIntegrationFlow instance ID.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

lastModifiedTime

The DataIntegrationFlow last modified timestamp.

Type: Timestamp

Required: Yes

name

The DataIntegrationFlow name.

Type: String

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

Pattern: [A-Za-z0-9-]+

Required: Yes

sources

The DataIntegrationFlow source configurations.

Type: Array of [DataIntegrationFlowSource](#) objects

Array Members: Minimum number of 1 item. Maximum number of 40 items.

Required: Yes

target

The DataIntegrationFlow target configuration.

Type: [DataIntegrationFlowTarget](#) object

Required: Yes

transformation

The DataIntegrationFlow transformation configurations.

Type: [DataIntegrationFlowTransformation](#) 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](#)

DataIntegrationFlowDatasetOptions

The dataset options used in dataset source and target configurations.

Contents

dedupeRecords

The option to perform deduplication on data records sharing same primary key values. If disabled, transformed data with duplicate primary key values will ingest into dataset, for datasets within `asc` namespace, such duplicates will cause ingestion fail. If enabled without `dedupeStrategy`, deduplication is done by retaining a random data record among those sharing the same primary key values. If enabled with `dedupeStratgey`, the deduplication is done following the strategy.

Note that target dataset may have partition configured, when dedupe is enabled, it only dedupe against primary keys and retain only one record out of those duplicates regardless of its partition status.

Type: Boolean

Required: No

dedupeStrategy

The deduplication strategy to dedupe the data records sharing same primary key values of the target dataset. This strategy only applies to target dataset with primary keys and with `dedupeRecords` option enabled. If transformed data still got duplicates after the `dedupeStrategy` evaluation, a random data record is chosen to be retained.

Type: [DataIntegrationFlowDedupeStrategy](#) object

Required: No

loadType

The target dataset's data load type. This only affects how source S3 files are selected in the S3-to-dataset flow.

- **REPLACE** - Target dataset will get replaced with the new file added under the source s3 prefix.

- **INCREMENTAL** - Target dataset will get updated with the up-to-date content under S3 prefix incorporating any file additions or removals there.

Type: String

Valid Values: INCREMENTAL | REPLACE

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](#)

DataIntegrationFlowDatasetSource

The details of a flow execution with dataset source.

Contents

datasetIdentifier

The ARN of the dataset source.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 1011.

Pattern: `arn:aws:scn:([a-z0-9-]+)([0-9]+):instance/([a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12})/namespaces/[^\n]+/datasets/[^\n]+`

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](#)

DataIntegrationFlowDatasetSourceConfiguration

The dataset DataIntegrationFlow source configuration parameters.

Contents

datasetIdentifier

The ARN of the dataset.

Type: String

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

Pattern: [-/_A-Za-z0-9:]⁺

Required: Yes

options

The dataset DataIntegrationFlow source options.

Type: [DataIntegrationFlowDatasetOptions](#) 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](#)

DataIntegrationFlowDatasetTargetConfiguration

The dataset DataIntegrationFlow target configuration parameters.

Contents

datasetIdentifier

The dataset ARN.

Type: String

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

Pattern: [-/_A-Za-z0-9:]⁺

Required: Yes

options

The dataset DataIntegrationFlow target options.

Type: [DataIntegrationFlowDatasetOptions](#) 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](#)

DataIntegrationFlowDedupeStrategy

The deduplication strategy details.

Contents

type

The type of the deduplication strategy.

- **FIELD_PRIORITY** - Field priority configuration for the deduplication strategy specifies an ordered list of fields used to tie-break the data records sharing the same primary key values. Fields earlier in the list have higher priority for evaluation. For each field, the sort order determines whether to retain data record with larger or smaller field value.

Type: String

Valid Values: FIELD_PRIORITY

Required: Yes

fieldPriority

The field priority deduplication strategy.

Type: [DataIntegrationFlowFieldPriorityDedupeStrategyConfiguration](#) 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](#)

DataIntegrationFlowExecution

The flow execution details.

Contents

executionId

The flow executionId.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

flowName

The flow execution's flowName.

Type: String

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

Pattern: [A-Za-z0-9-]+

Required: Yes

instanceId

The flow execution's instanceId.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

endTime

The flow execution end timestamp.

Type: Timestamp

Required: No

message

The failure message (if any) of failed flow execution.

Type: String

Required: No

outputMetadata

The flow execution output metadata.

Type: [DataIntegrationFlowExecutionOutputMetadata](#) object

Required: No

sourceInfo

The source information for a flow execution.

Type: [DataIntegrationFlowExecutionSourceInfo](#) object

Required: No

startTime

The flow execution start timestamp.

Type: Timestamp

Required: No

status

The status of flow execution.

Type: String

Valid Values: SUCCEEDED | IN_PROGRESS | FAILED

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](#)

DataIntegrationFlowExecutionOutputMetadata

The output metadata of the flow execution.

Contents

diagnosticReportsRootS3URI

The S3 URI under which all diagnostic files (such as deduped records if any) are stored.

Type: String

Pattern: `s3://[a-z0-9][a-z0-9.-]{1,61}[a-z0-9]/.{1,1024}`

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](#)

DataIntegrationFlowExecutionSourceInfo

The source information of a flow execution.

Contents

sourceType

The data integration flow execution source type.

Type: String

Valid Values: S3 | DATASET

Required: Yes

datasetSource

The source details of a flow execution with dataset source.

Type: [DataIntegrationFlowDatasetSource](#) object

Required: No

s3Source

The source details of a flow execution with S3 source.

Type: [DataIntegrationFlowS3Source](#) 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](#)

DataIntegrationFlowFieldPriorityDedupeField

The field used in the field priority deduplication strategy.

Contents

name

The name of the deduplication field. Must exist in the dataset and not be a primary key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

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

Required: Yes

sortOrder

The sort order for the deduplication field.

Type: String

Valid Values: ASC | DESC

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](#)

DataIntegrationFlowFieldPriorityDedupeStrategyConfiguration

The field priority deduplication strategy details.

Contents

fields

The list of field names and their sort order for deduplication, arranged in descending priority from highest to lowest.

Type: Array of [DataIntegrationFlowFieldPriorityDedupeField](#) objects

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

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](#)

DataIntegrationFlowS3Options

The Amazon S3 options used in S3 source and target configurations.

Contents

fileType

The Amazon S3 file type in S3 options.

Type: String

Valid Values: CSV | PARQUET | JSON

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](#)

DataIntegrationFlowS3Source

The details of a flow execution with S3 source.

Contents

bucketName

The S3 bucket name of the S3 source.

Type: String

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

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

Required: Yes

key

The S3 object key of the S3 source.

Type: String

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

Pattern: [/A-Za-z0-9._:!*()'!=?&+;@-]+

Required: Yes

See Also

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

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

DataIntegrationFlowS3SourceConfiguration

The S3 DataIntegrationFlow source configuration parameters.

Contents

bucketName

The bucketName of the S3 source objects.

Type: String

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

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

Required: Yes

prefix

The prefix of the S3 source objects. To trigger data ingestion, S3 files need to be put under `s3://bucketName/prefix/`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 700.

Pattern: [/A-Za-z0-9._-]+

Required: Yes

options

The other options of the S3 DataIntegrationFlow source.

Type: [DataIntegrationFlowS3Options](#) 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](#)

DataIntegrationFlowS3TargetConfiguration

The S3 DataIntegrationFlow target configuration parameters.

Contents

bucketName

The bucketName of the S3 target objects.

Type: String

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

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

Required: Yes

prefix

The prefix of the S3 target objects.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 700.

Pattern: [/A-Za-z0-9._-]+

Required: Yes

options

The S3 DataIntegrationFlow target options.

Type: [DataIntegrationFlowS3Options](#) 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](#)

DataIntegrationFlowSource

The DataIntegrationFlow source parameters.

Contents

sourceName

The DataIntegrationFlow source name that can be used as table alias in SQL transformation query.

Type: String

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

Pattern: [A-Za-z0-9_]+

Required: Yes

sourceType

The DataIntegrationFlow source type.

Type: String

Valid Values: S3 | DATASET

Required: Yes

datasetSource

The dataset DataIntegrationFlow source.

Type: [DataIntegrationFlowDatasetSourceConfiguration](#) object

Required: No

s3Source

The S3 DataIntegrationFlow source.

Type: [DataIntegrationFlowS3SourceConfiguration](#) 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](#)

DataIntegrationFlowSQLTransformationConfiguration

The SQL DataIntegrationFlow transformation configuration parameters.

Contents

query

The transformation SQL query body based on SparkSQL.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 65535.

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](#)

DataIntegrationFlowTarget

The DataIntegrationFlow target parameters.

Contents

targetType

The DataIntegrationFlow target type.

Type: String

Valid Values: S3 | DATASET

Required: Yes

datasetTarget

The dataset DataIntegrationFlow target. Note that for AWS Supply Chain dataset under **asc** namespace, it has a `connection_id` internal field that is not allowed to be provided by client directly, they will be auto populated.

Type: [DataIntegrationFlowDatasetTargetConfiguration](#) object

Required: No

s3Target

The S3 DataIntegrationFlow target.

Type: [DataIntegrationFlowS3TargetConfiguration](#) 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](#)

DataIntegrationFlowTransformation

The DataIntegrationFlow transformation parameters.

Contents

transformationType

The DataIntegrationFlow transformation type.

Type: String

Valid Values: SQL | NONE

Required: Yes

sqlTransformation

The SQL DataIntegrationFlow transformation configuration.

Type: [DataIntegrationFlowSQLTransformationConfiguration](#) 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](#)

DataLakeDataset

The data lake dataset details.

Contents

arn

The arn of the dataset.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 1011.

Pattern: `arn:aws:scn(?::([a-z0-9-]+)([0-9]+):instance)?/([a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12})[-_./A-Za-z0-9]*`

Required: Yes

createdTime

The creation time of the dataset.

Type: Timestamp

Required: Yes

instanceId

The AWS Supply Chain instance identifier.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: Yes

lastModifiedTime

The last modified time of the dataset.

Type: Timestamp

Required: Yes

name

The name of the dataset. For **asc** namespace, the name must be one of the supported data entities under <https://docs.aws.amazon.com/aws-supply-chain/latest/userguide/data-model-asc.html>.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 75.

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

Required: Yes

namespace

The namespace of the dataset, besides the custom defined namespace, every instance comes with below pre-defined namespaces:

- **asc** - For information on the AWS Supply Chain supported datasets see <https://docs.aws.amazon.com/aws-supply-chain/latest/userguide/data-model-asc.html>.
- **default** - For datasets with custom user-defined schemas.

Type: String

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

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

Required: Yes

schema

The schema of the dataset.

Type: [DataLakeDatasetSchema](#) object

Required: Yes

description

The description of the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: No

partitionSpec

The partition specification for a dataset.

Type: [DataLakeDatasetPartitionSpec 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](#)

DataLakeDatasetPartitionField

The detail of the partition field.

Contents

name

The name of the partition field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

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

Required: Yes

transform

The transformation of the partition field. A transformation specifies how to partition on a given field. For example, with timestamp you can specify that you'd like to partition fields by day, e.g. data record with value 2025-01-03T00:00:00Z in partition field is in 2025-01-03 partition. Also noted that data record without any value in optional partition field is in NULL partition.

Type: [DataLakeDatasetPartitionFieldTransform](#) 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](#)

DataLakeDatasetPartitionFieldTransform

The detail of the partition field transformation.

Contents

type

The type of partitioning transformation for this field. The available options are:

- **IDENTITY** - Partitions data on a given field by its exact values.
- **YEAR** - Partitions data on a timestamp field using year granularity.
- **MONTH** - Partitions data on a timestamp field using month granularity.
- **DAY** - Partitions data on a timestamp field using day granularity.
- **HOUR** - Partitions data on a timestamp field using hour granularity.

Type: String

Valid Values: YEAR | MONTH | DAY | HOUR | IDENTITY

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](#)

DataLakeDatasetPartitionSpec

The partition specification for a dataset.

Contents

fields

The fields on which to partition a dataset. The partitions will be applied hierarchically based on the order of this list.

Type: Array of [DataLakeDatasetPartitionField](#) objects

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

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](#)

DataLakeDatasetPrimaryKeyField

The detail of the primary key field.

Contents

name

The name of the primary key field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

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

Required: Yes

See Also

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

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

DataLakeDatasetSchema

The schema details of the dataset. Note that for AWS Supply Chain dataset under **asc** namespace, it may have internal fields like `connection_id` that will be auto populated by data ingestion methods.

Contents

fields

The list of field details of the dataset schema.

Type: Array of [DataLakeDatasetSchemaField](#) objects

Array Members: Minimum number of 1 item. Maximum number of 500 items.

Required: Yes

name

The name of the dataset schema.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: [A-Za-z0-9]+

Required: Yes

primaryKeys

The list of primary key fields for the dataset. Primary keys defined can help data ingestion methods to ensure data uniqueness: `CreateDataIntegrationFlow`'s dedupe strategy will leverage primary keys to perform records deduplication before write to dataset; `SendDataIntegrationEvent`'s UPSERT and DELETE can only work with dataset with primary keys. For more details, refer to those data ingestion documentations.

Note that defining primary keys does not necessarily mean the dataset cannot have duplicate records, duplicate records can still be ingested if `CreateDataIntegrationFlow`'s dedupe disabled or through `SendDataIntegrationEvent`'s APPEND operation.

Type: Array of [DataLakeDatasetPrimaryKeyField](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: No

See Also

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

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

DataLakeDatasetSchemaField

The dataset field details.

Contents

isRequired

Indicate if the field is required or not.

Type: Boolean

Required: Yes

name

The dataset field name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

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

Required: Yes

type

The dataset field type.

Type: String

Valid Values: INT | DOUBLE | STRING | TIMESTAMP | LONG

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](#)

DataLakeNamespace

The data lake namespace details.

Contents

arn

The arn of the namespace.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 1011.

Pattern: `arn:aws:scn(?::([a-z0-9-]+)([0-9]+):instance)?/([a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12})[-_./A-Za-z0-9]*`

Required: Yes

createdTime

The creation time of the namespace.

Type: Timestamp

Required: Yes

instanceId

The AWS Supply Chain instance identifier.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: Yes

lastModifiedTime

The last modified time of the namespace.

Type: Timestamp

Required: Yes

name

The name of the namespace.

Type: String

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

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

Required: Yes

description

The description of the namespace.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

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](#)

Instance

The details of the instance.

Contents

awsAccountId

The AWS account ID that owns the instance.

Type: String

Pattern: [0-9]{12}

Required: Yes

instanceId

The AWS Supply Chain instance identifier.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}

Required: Yes

state

The state of the instance.

Type: String

Valid Values: Initializing | Active | CreateFailed | DeleteFailed | Deleting | Deleted

Required: Yes

createdTime

The instance creation timestamp.

Type: Timestamp

Required: No

errorMessage

The AWS Supply Chain instance error message. If the instance results in an unhealthy state, customers need to check the error message, delete the current instance, and recreate a new one based on the mitigation from the error message.

Type: String

Required: No

instanceDescription

The AWS Supply Chain instance description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 501.

Pattern: ([a-zA-Z0-9., _'%-]){0,500}

Required: No

instanceName

The AWS Supply Chain instance name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: (?![_'%-])[a-zA-Z0-9 _'%-]{0,62}[a-zA-Z0-9]

Required: No

kmsKeyArn

The ARN (Amazon Resource Name) of the Key Management Service (KMS) key you optionally provided for encryption. If you did not provide anything here, AWS Supply Chain uses the AWS owned KMS key and nothing is returned.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `arn:[a-z0-9][-a-z0-9]{0,62}:kms:([a-z0-9][-a-z0-9]{0,62})?:([a-z0-9][-a-z0-9]{0,62})?:key/.{0,1019}`

Required: No

lastModifiedTime

The instance last modified timestamp.

Type: Timestamp

Required: No

versionNumber

The version number of the instance.

Type: Double

Required: No

webAppDnsDomain

The WebApp DNS domain name of the instance.

Type: String

Pattern: `(?![-])[a-zA-Z0-9-]{1,62}[a-zA-Z0-9]`

Required: No

See Also

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

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

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