



API Reference

# AWS Supply Chain



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# AWS Supply Chain: API Reference

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# 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 April 10, 2026.

# 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
```

```
{
  "clientToken": "string",
  "s3uri": "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

## 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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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
```

```
{
  "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"
    }
  ]
}
```

```
],
  "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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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",
    "primaryKey": [
      {
        "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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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

{
  "clientToken": "string",
  "instanceDescription": "string",
  "instanceName": "string",
  "kmsKeyArn": "string",
  "tags": {
    "string" : "string"
  },
  "webAppDnsDomain": "string"
}
```

## 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-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

### 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": {
    "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 AWS Supply Chain instance resource data details.

Type: [Instance](#) object

## Errors

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

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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": "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 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 Error Types](#).

### **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

## **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 underlying 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 Error Types](#).

### **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

## **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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": {
    "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 AWS Supply Chain instance resource data details.

Type: [Instance](#) object

## Errors

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

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 Error Types](#).

### 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

## **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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

{
```

```
"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",
      "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 `DataIntegrationFlow` returned.

Type: [DataIntegrationFlow](#) object

## Errors

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

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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",  
"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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [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"
},
"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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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

{
  "datasets": [
    {
      "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"
    }
  ]
}
],
"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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)

- [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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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=maxRes
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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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
```

```
{
  "clientToken": "string",
  "data": "string",
  "datasetTarget": {
    "datasetIdentifier": "string",
    "operationType": "string"
  },
  "eventGroupId": "string",
  "eventTimestamp": number,
  "eventType": "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

## 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

## eventGroupId

Event identifier (for example, `orderId` for `InboundOrder`) used for data sharding or partitioning. Noted under one `eventGroupId` 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 Error Types](#).

### **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

## **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 Error Types](#).

### 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 V2](#)
- [AWS SDK for .NET V4](#)
- [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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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
```

```
{
  "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"
    },
    "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",
```

```
        "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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [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": "string"
}
```

## 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",
```

```
"lastModifiedTime": number,
"name": "string",
"namespace": "string",
"partitionSpec": {
  "fields": [
    {
      "name": "string",
      "transform": {
        "type": "string"
      }
    }
  ]
},
"schema": {
  "fields": [
    {
      "isRequired": boolean,
      "name": "string",
      "type": "string"
    }
  ],
  "name": "string",
  "primaryKey": [
    {
      "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 updated dataset details.

Type: [DataLakeDataset](#) object

## Errors

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

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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": "string"  
}
```

## 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 Error Types](#).

## **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

## **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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
```

```
{
  "instanceDescription": "string",
  "instanceName": "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

## 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 Error Types](#).

### **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

### **InternalServerErrorException**

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 V2](#)
- [AWS SDK for .NET V4](#)
- [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/[^/]+/datasets/[^/]+`

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/[^/]+/datasets/[^/]+`

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 `dedupeStrategy`, 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]{12})/namespaces/[^/]+/datasets/[^/]+`

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-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-z0-9][a-z0-9.-]*[a-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-z0-9][a-z0-9.-]*[a-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-z0-9][a-z0-9.-]*[a-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-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-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-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.
- **HOURL** - 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-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-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-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*.

## 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 Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

## **AccessDeniedException**

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

## **ExpiredTokenException**

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

## **IncompleteSignature**

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

## **InternalFailure**

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

## **MalformedHttpRequestException**

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

**NotAuthorized**

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

**OptInRequired**

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

**RequestAbortedException**

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

**RequestEntityTooLargeException**

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

**RequestTimeoutException**

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

**ServiceUnavailable**

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

**ThrottlingException**

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

## **UnknownOperationException**

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

## **UnrecognizedClientException**

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

## **ValidationError**

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400