



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 November 20, 2024.

# Actions

The following actions are supported:

- [CreateBillOfMaterialsImportJob](#)
- [CreateDataIntegrationFlow](#)
- [CreateDataLakeDataset](#)
- [CreateInstance](#)
- [DeleteDataIntegrationFlow](#)
- [DeleteDataLakeDataset](#)
- [DeleteInstance](#)
- [GetBillOfMaterialsImportJob](#)
- [GetDataIntegrationFlow](#)
- [GetDataLakeDataset](#)
- [GetInstance](#)
- [ListDataIntegrationFlows](#)
- [ListDataLakeDatasets](#)
- [ListInstances](#)
- [ListTagsForResource](#)
- [SendDataIntegrationEvent](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateDataIntegrationFlow](#)
- [UpdateDataLakeDataset](#)
- [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 Errors](#).

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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,  
          "loadType": "string"  
        }  
      },  
      "s3Source": {  
        "bucketName": "string",  
        "options": {  
          "fileType": "string"  
        },  
        "prefix": "string"  
      },  
      "sourceName": "string",  
      "sourceType": "string"  
    }  
  ],  
  "tags": {  
    "string" : "string"  
  },  
  "target": {  
    "datasetTarget": {  
      "datasetIdentifier": "string",  
      "options": {  
        "dedupeRecords": boolean,  
        "loadType": "string"  
      }  
    }  
  }  
}
```



```
    },
    "s3Target": {
      "bucketName": "string",
      "options": {
        "fileType": "string"
      },
      "prefix": "string"
    },
    "targetType": "string"
  },
  "transformation": {
    "sqlTransformation": {
      "query": "string"
    },
    "transformationType": "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

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

Required: Yes

### name

Name of the DataIntegrationFlow.

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

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### sources

The source configurations for `DataIntegrationFlow`.

Type: Array of [DataIntegrationFlowSource](#) objects

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

Required: Yes

### tags

The tags of the `DataIntegrationFlow` to be created

Type: String to string map

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

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

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

Required: No

### target

The target configurations for `DataIntegrationFlow`.

Type: [DataIntegrationFlowTarget](#) object

Required: Yes

### transformation

The transformation configurations for `DataIntegrationFlow`.

Type: [DataIntegrationFlowTransformation](#) object

Required: Yes

## Response Syntax

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

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

## Response Elements

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

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

### instanceId

The AWS Supply Chain instance identifier.

Type: String

Length Constraints: Fixed length of 36.

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

### name

The name of the DataIntegrationFlow created.

Type: String

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

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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",  
  "schema": {  
    "fields": [  
      {  
        "isRequired": boolean,  
        "name": "string",  
        "type": "string"  
      }  
    ],  
    "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 name space of the dataset.

- **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-z]+

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

### schema

The custom schema of the data lake dataset and is only required when the name space is *default*.

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",
    "schema": {
      "fields": [
        {
          "isRequired": boolean,
          "name": "string",
          "type": "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.

### dataset

The detail of created dataset.

Type: [DataLakeDataset](#) object

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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"
  }
}
```

## 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

## 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 Errors](#).

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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 Errors](#).

### **AccessDeniedException**

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

HTTP Status Code: 403

## ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

## 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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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. If the namespace is *asc*, the name must be one of the supported [data entities](#).

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

Pattern: `[a-z0-9_]+`

Required: Yes

### namespace

The namespace of the dataset. The available values are:

- *asc*: for [AWS Supply Chain supported datasets](#).
- *default*: for datasets with custom user-defined schemas.

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

Pattern: `[a-z]+`

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-z]+

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **InternalServerError**

Unexpected error during processing of request.

HTTP Status Code: 500

### **ResourceNotFoundException**

Request references a resource which does not exist.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

## ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

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

# GetBillOfMaterialsImportJob

Get status and details of a BillOfMaterialsImportJob.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### instanceId

The AWS Supply Chain instance identifier.

Length Constraints: Fixed length of 36.

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

Required: Yes

### jobId

The BillOfMaterialsImportJob identifier.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

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

## Response Elements

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

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

### [job](#)

The `BillOfMaterialsImportJob`.

Type: [BillOfMaterialsImportJob](#) object

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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,
          "loadType": "string"
        }
      },
      "s3Source": {
        "bucketName": "string",
        "options": {
          "fileType": "string"
        },
        "prefix": "string"
      },
      "sourceName": "string",
      "sourceType": "string"
    }
  ],
  "target": {
    "datasetTarget": {
      "datasetIdentifier": "string",
      "options": {
        "dedupeRecords": boolean,
        "loadType": "string"
      }
    },
    "s3Target": {
      "bucketName": "string",
      "options": {
        "fileType": "string"
      },
      "prefix": "string"
    },
    "targetType": "string"
  },
  "transformation": {
    "sqlTransformation": {
```

```
    "query": "string"  
  },  
  "transformationType": "string"  
}  
}  
}
```

## Response Elements

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

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

### flow

The details of the `DataIntegrationFlow` returned.

Type: [DataIntegrationFlow](#) object

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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` 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 name space of the dataset. The available values are:

- `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-z]+

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",
    "schema": {
      "fields": [
        {
          "isRequired": boolean,
          "name": "string",
          "type": "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.

## dataset

The fetched dataset details.

Type: [DataLakeDataset](#) object

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **InternalServerError**

Unexpected error during processing of request.

HTTP Status Code: 500

### **ResourceNotFoundException**

Request references a resource which does not exist.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

### **ThrottlingException**

Request was denied due to request throttling.

HTTP Status Code: 429

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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,
              "loadType": "string"
            }
          },
          "s3Source": {
            "bucketName": "string",
            "options": {
              "fileType": "string"
            },
            "prefix": "string"
          },
          "sourceName": "string",
          "sourceType": "string"
        }
      ],
      "target": {
        "datasetTarget": {
          "datasetIdentifier": "string",
          "options": {
            "dedupeRecords": boolean,
            "loadType": "string"
          }
        },
        "s3Target": {
          "bucketName": "string",
          "options": {
            "fileType": "string"
          },
          "prefix": "string"
        },
        "targetType": "string"
      }
    }
  ]
}
```

```
    },
    "transformation": {
      "sqlTransformation": {
        "query": "string"
      },
      "transformationType": "string"
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### flows

The response parameters for ListDataIntegrationFlows.

Type: Array of [DataIntegrationFlow](#) objects

### nextToken

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

Type: String

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

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for 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. The available values are:

- asc: for [AWS Supply Chain supported datasets](#).
- default: for datasets with custom user-defined schemas.

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

Pattern: `[a-z]+`

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",
      "schema": {
        "fields": [
          {
            "isRequired": boolean,
            "name": "string",
            "type": "string"
          }
        ],
        "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 1 item. Maximum number of 20 items.

### nextToken

The pagination token to fetch next page of datasets.

Type: String

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

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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 Errors](#).

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

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

# ListTagsForResource

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

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

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

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

## Response Elements

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

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

### tags

The tags added to an AWS Supply Chain resource.

Type: String to string map

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

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

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

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

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



# SendDataIntegrationEvent

Send the transactional 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. New data events are synced with data lake at 5 PM GMT everyday. The updated transactional data is available in data lake after ingestion.

## Request Syntax

```
POST /api-data/data-integration/instance/instanceId/data-integration-events HTTP/1.1
```

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

```
{
  "clientToken": "string",
  "data": "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.

Type: String

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

Required: No

### data

The data payload of the event. For more information on the data schema to use, see [Data entities supported in AWS Supply Chain](#).

Type: String

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

Required: Yes

### eventGroupId

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

Type: String

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

Required: Yes

### eventTimestamp

The event timestamp (in epoch seconds).

Type: Timestamp

Required: No

### 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

Required: Yes

## Response Syntax

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

{
  "eventId": "string"
}
```

## Response Elements

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

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

### eventId

The unique event identifier.

Type: String

Length Constraints: Fixed length of 36.

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

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

## **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

## **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# TagResource

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

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

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

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

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### tags

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

Type: String to string map

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

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

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

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

### ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Request would cause a service quota to be exceeded.

HTTP Status Code: 402

### **ThrottlingException**

Request was denied due to request throttling.

HTTP Status Code: 429

### **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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



# UntagResource

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

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

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

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

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

Required: Yes

### tagKeys

The list of tag keys to be deleted for an AWS Supply Chain resource.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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,
          "loadType": "string"
        }
      },
      "s3Source": {
        "bucketName": "string",
        "options": {
          "fileType": "string"
        },
        "prefix": "string"
      },
      "sourceName": "string",
      "sourceType": "string"
    }
  ],
  "target": {
    "datasetTarget": {
      "datasetIdentifier": "string",
      "options": {
        "dedupeRecords": boolean,
        "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,
            "loadType": "string"
          }
        }
      }
    ]
  }
}
```

```
    },
    "s3Source": {
      "bucketName": "string",
      "options": {
        "fileType": "string"
      },
      "prefix": "string"
    },
    "sourceName": "string",
    "sourceType": "string"
  }
],
"target": {
  "datasetTarget": {
    "datasetIdentifier": "string",
    "options": {
      "dedupeRecords": boolean,
      "loadType": "string"
    }
  },
  "s3Target": {
    "bucketName": "string",
    "options": {
      "fileType": "string"
    },
    "prefix": "string"
  },
  "targetType": "string"
},
"transformation": {
  "sqlTransformation": {
    "query": "string"
  },
  "transformationType": "string"
}
}
```

## Response Elements

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

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

## flow

The details of the updated `DataIntegrationFlow`.

Type: [DataIntegrationFlow](#) object

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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** 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 name space of the dataset. The available values are:

- **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-z]+

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",
    "schema": {
      "fields": [
        {
```

```
        "isRequired": boolean,
        "name": "string",
        "type": "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.

### dataset

The updated dataset details.

Type: [DataLakeDataset](#) object

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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 Errors](#).

### **AccessDeniedException**

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

HTTP Status Code: 403

### **ConflictException**

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

### **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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for 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](#)
- [DataIntegrationFlow](#)
- [DataIntegrationFlowDatasetOptions](#)
- [DataIntegrationFlowDatasetSourceConfiguration](#)
- [DataIntegrationFlowDatasetTargetConfiguration](#)
- [DataIntegrationFlowS3Options](#)
- [DataIntegrationFlowS3SourceConfiguration](#)
- [DataIntegrationFlowS3TargetConfiguration](#)
- [DataIntegrationFlowSource](#)
- [DataIntegrationFlowSQLTransformationConfiguration](#)
- [DataIntegrationFlowTarget](#)
- [DataIntegrationFlowTransformation](#)
- [DataLakeDataset](#)
- [DataLakeDatasetSchema](#)
- [DataLakeDatasetSchemaField](#)
- [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](#)

# 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 dataset load option to remove duplicates.

Type: Boolean

Required: No

### loadType

The dataset data load type in dataset options.

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](#)

# 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](#)

# 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](#)

# 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.

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.

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** 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>.

Type: String

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

Pattern: [a-z0-9\_]+

Required: Yes

### namespace

The name space of the dataset. The available values are:

- **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-z]+

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

## 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.

## 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

## 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

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](#)

# 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]+(\.[A-Za-z0-9]+)+`

Required: No

## **See Also**

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

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

# Common Parameters

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

## Action

The action to be performed.

Type: string

Required: Yes

## Version

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

Type: string

Required: Yes

## X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: *access\_key/YYYYMMDD/region/service/aws4\_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

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

Type: string

Required: Conditional

### **X-Amz-Date**

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

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

Type: string

Required: Conditional

### **X-Amz-Security-Token**

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

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

Type: string

Required: Conditional

### **X-Amz-Signature**

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

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

Type: string

Required: Conditional

### **X-Amz-SignedHeaders**

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

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

Type: string

Required: Conditional

# Common Errors

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

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

## **ExpiredTokenException**

The security token included in the request is expired

HTTP Status Code: 403

## **IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 403

## **InternalFailure**

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

HTTP Status Code: 500

## **MalformedHttpRequestException**

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

HTTP Status Code: 400

## **NotAuthorized**

You do not have permission to perform this action.

HTTP Status Code: 401

## **OptInRequired**

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



HTTP Status Code: 403

### **RequestAbortedException**

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

HTTP Status Code: 400

### **RequestEntityTooLargeException**

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

HTTP Status Code: 413

### **RequestExpired**

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

HTTP Status Code: 400

### **RequestTimeoutException**

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

HTTP Status Code: 408

### **ServiceUnavailable**

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

HTTP Status Code: 503

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **UnrecognizedClientException**

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

HTTP Status Code: 403

**UnknownOperationException**

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

HTTP Status Code: 404

**ValidationError**

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

HTTP Status Code: 400