AWS Data Exchange

API Reference

AWS Data Exchange: API Reference

Table of Contents

Welcome

Welcome to the *AWS Data Exchange API Reference*. AWS Data Exchange is a service that helps AWS customers to exchange data in the cloud. You can use the AWS Data Exchange API operations in the AWS Cloud.

As a subscriber, you can view and access the data sets that you have an entitlement to through a subscription. You can use the API operations to download or copy your entitled data sets to Amazon Simple Storage Service (Amazon S3) for use across a variety of AWS analytics and machine learning services.

As a provider, you can create and manage your data sets that you want to publish to a product.

A *data set* in AWS Data Exchange is a collection of data that can be changed or updated over time. Data sets can be updated using revisions, which represent a new version or incremental change to a data set. A revision contains one or more assets. An *asset* in AWS Data Exchange is a piece of data that can be stored as an Amazon S3 object. The asset can be a structured data file, an image file, or some other data file. *Jobs* are asynchronous import or export operations used to create or copy assets.

To learn more about these and other AWS Data Exchange concepts, procedures, best practices, and AWS Marketplace integration, see the AWS Marketplace Catalog API Reference and the AWS Data Exchange User Guide.

Data sets and products

You can manage and interact with data sets by using the AWS Data Exchange API operations. You can perform product publishing and product subscription tasks through the AWS Marketplace Catalog API or the AWS Data Exchange console. For more information, see the AWS Data Exchange User Guide.

API access control

You use AWS Identity and Access Management (IAM) to create IAM roles and assign policies that grant limited permissions to end users. The policies define the actions that the role can take on your data sets, revisions, assets, and associated jobs in the AWS Data Exchange API. For example, you can define roles such as engineering, marketing, and pricing. A user in your organization who has been added to the engineering role might be granted permissions to import an asset from Amazon S3 but can't finalize a revision for your data set.

For more information about AWS Data Exchange permissions, including managed policies, and a permissions reference for AWS Data Exchange actions and resources, see Identity and Access Management in AWS Data Exchange in the *AWS Data Exchange User Guide*.

Endpoints and AWS Regions

For information about AWS Regions and endpoints that are supported for AWS Data Exchange, see AWS Data Exchange endpoints and quotas in the *AWS General Reference*.

Service quotas

For information about the quotas for using AWS Data Exchange, see AWS Data Exchange endpoints and quotas in the *AWS General Reference*.

Operations

The AWS Data Exchange REST API includes the following operations.

- CancelJob (p. 53)

  This operation cancels a job. Jobs can be cancelled only when they are in the `WAITING` state.
- CreateDataSet (p. 29)

  This operation creates a data set.
- CreateEventAction (p. 46)

  This operation creates an event action.
- CreateJob (p. 61)

  This operation creates a job.
- CreateRevision (p. 80)

  This operation creates a revision for a data set.
- DeleteAsset (p. 6)

  This operation deletes an asset.
- DeleteDataSet (p. 19)

  This operation deletes a data set.
- DeleteEventAction (p. 39)

  This operation deletes the event action.
- DeleteRevision (p. 70)

  This operation deletes a revision.
- GetAsset (p. 5)

  This operation returns information about an asset.
- GetDataSet (p. 19)

  This operation returns information about a data set.
- GetEventAction (p. 39)

  This operation retrieves information about an event action.
- GetJob (p. 53)

  This operation returns information about a job.
- GetRevision (p. 69)

  This operation returns information about a revision.
- ListDataSetRevisions (p. 79)

  This operation lists a data set's revisions sorted by `CreatedAt` in descending order.
- ListDataSets (p. 29)

This operation lists your data sets. When listing by origin `OWNED`, results are sorted by `CreatedAt` in descending order. When listing by origin `ENTITLED`, there is no order and the `maxResults` parameter is ignored.

- ListEventActions (p. 45)

  This operation lists your event actions.

- ListJobs (p. 60)

  This operation lists your jobs sorted by `CreatedAt` in descending order.

- ListRevisionAssets (p. 13)

  This operation lists a revision's assets sorted alphabetically in descending order.

- ListTagsForResource (p. 88)

  This operation lists the tags on the resource.

- StartJob (p. 54)

  This operation starts a job.

- TagResource (p. 89)

  This operation tags a resource.

- UntagResource (p. 89)

  This operation removes one or more tags from a resource.

- UpdateAsset (p. 7)

  This operation updates an asset.

- UpdateDataSet (p. 20)

  This operation updates a data set.

- UpdateEventAction (p. 40)

  This operation updates the event action.

- UpdateRevision (p. 70)

  This operation updates a revision.

Resources

The AWS Data Exchange REST API includes the following resources.

Topics

Asset

An asset in AWS Data Exchange is a piece of data that can be stored as an S3 object. The asset can be a structured data file, an image file, or some other data file. When you create an import job for your files, you create an asset in AWS Data Exchange for each of those files. This section defines the `GetAsset`, `DeleteAsset`, and `UpdateAsset` operations.

URI

`/v1/data-sets/`*`DataSetId`*`/revisions/`*`RevisionId`*`/assets/`*`AssetId`*

HTTP methods

GET

Operation ID: `GetAsset`

This operation returns information about an asset.

Path parameters

Name	Type	Required	Description
RevisionId	String	True	The unique identifier for a revision.
AssetId	String	True	The unique identifier for an asset.
DataSetId	String	True	The unique identifier for a data set.

Responses

Status code	Response model	Description
200	Asset (p. 7)	200 response
400	ValidationException (p. 8)	400 response
404	ResourceNotFoundException (p. 8)	404 response
429	ThrottlingException (p. 8)	429 response
500	InternalServerException (p. 8)	500 response

DELETE

Operation ID: `DeleteAsset`

This operation deletes an asset.

Path parameters

Name	Type	Required	Description
RevisionId	String	True	The unique identifier for a revision.
AssetId	String	True	The unique identifier for an asset.
DataSetId	String	True	The unique identifier for a data set.

Responses

Status code	Response model	Description
204	None	204 response
400	ValidationException (p. 8)	400 response
403	AccessDeniedException (p. 8)	403 response
404	ResourceNotFoundException (p. 8)	404 response
409	ConflictException (p. 8)	409 response
429	ThrottlingException (p. 8)	429 response
500	InternalServerException (p. 8)	500 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

PATCH

Operation ID: `UpdateAsset`

This operation updates an asset.

Path parameters

Name	Type	Required	Description
RevisionId	String	True	The unique identifier for a revision.
AssetId	String	True	The unique identifier for an asset.
DataSetId	String	True	The unique identifier for a data set.

Responses

Status code	Response model	Description
200	Asset (p. 7)	200 response
400	ValidationException (p. 8)	400 response
403	AccessDeniedException (p. 8)	403 response
404	ResourceNotFoundException (p. 8)	404 response
409	ConflictException (p. 8)	409 response
429	ThrottlingException (p. 8)	429 response
500	InternalServerException (p. 8)	500 response

Schemas

Request bodies

PATCH schema

```
{
  "Name": "string"
}
```

Response bodies

Asset schema

```
{
  "AssetType": enum,
  "SourceId": "string",
  "CreatedAt": "string",
```

```
  "DataSetId": "string",
  "Id": "string",
  "AssetDetails": {
  },
  "Arn": "string",
  "UpdatedAt": "string",
  "RevisionId": "string",
  "Name": "string"
}
```

ValidationException schema

```
{
  "Message": "string",
  "ExceptionCause": enum
}
```

AccessDeniedException schema

```
{
  "Message": "string"
}
```

ResourceNotFoundException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
}
```

ConflictException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
}
```

ThrottlingException schema

```
{
  "Message": "string"
}
```

InternalServerException schema

```
{
  "Message": "string"
}
```

Properties

AccessDeniedException

Access to the resource is denied.

Message

Access to the resource is denied.

> **Type**: string
> **Required**: True

Asset

An asset in AWS Data Exchange is a piece of data that can be stored as an S3 object. The asset can be a structured data file, an image file, or some other data file. When you create an import job for your files, you create an asset in AWS Data Exchange for each of those files.

AssetType

The type of file your data is stored in. Currently, the supported asset type is `S3_SNAPSHOT`.

> **Type**: AssetType (p. 10)
> **Required**: True

SourceId

The asset ID of the owned asset corresponding to the entitled asset being viewed. This parameter is returned when an asset owner is viewing the entitled copy of its owned asset.

> **Type**: string
> **Required**: False

CreatedAt

The date and time that the asset was created, in ISO 8601 format.

> **Type**: string
> **Required**: True

DataSetId

The unique identifier for the data set associated with this asset.

> **Type**: string
> **Required**: True

Id

The unique identifier for the asset.

> **Type**: string

Required: True

AssetDetails

Information about the asset, including its size.

Type: object
Required: True

Arn

The ARN for the asset.

Type: string
Required: True

UpdatedAt

The date and time that the asset was last updated, in ISO 8601 format.

Type: string
Required: True

RevisionId

The unique identifier for the revision associated with this asset.

Type: string
Required: True

Name

The name of the asset When importing from Amazon S3, the S3 object key is used as the asset name. When exporting to Amazon S3, the asset name is used as default target S3 object key.

Type: string
Required: True

AssetType

The type of file your data is stored in. Currently, the supported asset type is `S3_SNAPSHOT`.

```
S3_SNAPSHOT
```

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

Message

The request couldn't be completed because it conflicted with the current state of the resource.

Type: string
Required: True

ResourceId

The unique identifier for the resource with the conflict.

> **Type**: string
> **Required**: False

ResourceType

The type of the resource with the conflict.

> **Type**: string
> **Required**: False
> **Values**: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

InternalServerException

An exception occurred with the service.

Message

The message identifying the service exception that occurred.

> **Type**: string
> **Required**: True

ResourceNotFoundException

The resource couldn't be found.

Message

The resource couldn't be found.

> **Type**: string
> **Required**: True

ResourceId

The unique identifier for the resource that couldn't be found.

> **Type**: string
> **Required**: False

ResourceType

The type of resource that couldn't be found.

> **Type**: string
> **Required**: False
> **Values**: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

ThrottlingException

The limit on the number of requests per second was exceeded.

Message

The limit on the number of requests per second was exceeded.

 Type: string
 Required: True

UpdateAssetRequest

The request to update an asset.

Name

The name of the asset. When importing from Amazon S3, the S3 object key is used as the asset name. When exporting to Amazon S3, the asset name is used as default target S3 object key.

 Type: string
 Required: True

ValidationException

The request was invalid.

Message

The message that informs you about what was invalid about the request.

 Type: string
 Required: True

ExceptionCause

The message that informs you about what the exception was.

 Type: string
 Required: False
 Values: `InsufficientS3BucketPolicy | S3AccessDenied`

See also

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

GetAsset

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteAsset

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateAsset

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Assets

An asset in AWS Data Exchange is a piece of data that can be stored as an S3 object. The asset can be a structured data file, an image file, or some other data file. When you create an import job for your files, you create an asset in AWS Data Exchange for each of those files. This section defines the `ListRevisionAssets` operation.

URI

`/v1/data-sets/`*`DataSetId`*`/revisions/`*`RevisionId`*`/assets`

HTTP methods

GET

Operation ID: `ListRevisionAssets`

This operation lists a revision's assets sorted alphabetically in descending order.

Path parameters

Name	Type	Required	Description
RevisionId	String	True	The unique identifier for a revision.
DataSetId	String	True	The unique identifier for a data set.

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token value retrieved from a previous call to access the next page of results.
maxResults	String	False	The maximum number of results returned by a single call.

Responses

Status code	Response model	Description
200	ListOfAssets (p. 14)	200 response
400	ValidationException (p. 15)	400 response
404	ResourceNotFoundException (p. 15)	404 response
429	ThrottlingException (p. 15)	429 response
500	InternalServerException (p. 15)	500 response

Schemas

Response bodies

ListOfAssets schema

```
{
  "NextToken": "string",
  "Assets": [
    {
      "AssetType": enum,
      "SourceId": "string",
      "CreatedAt": "string",
      "DataSetId": "string",
      "Id": "string",
      "AssetDetails": {
      },
      "Arn": "string",
      "UpdatedAt": "string",
      "RevisionId": "string",
```

```
      "Name": "string"
    }
  ]
}
```

ValidationException schema

```
{
  "Message": "string",
  "ExceptionCause": enum
}
```

ResourceNotFoundException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
}
```

ThrottlingException schema

```
{
  "Message": "string"
}
```

InternalServerException schema

```
{
  "Message": "string"
}
```

Properties

AssetEntry

An asset in AWS Data Exchange is a piece of data that can be stored as an S3 object. The asset can be a structured data file, an image file, or some other data file. When you create an import job for your files, you create an asset in AWS Data Exchange for each of those files.

AssetType

The type of file your data is stored in. Currently, the supported asset type is `S3_SNAPSHOT`.

> **Type**: AssetType (p. 17)
> **Required**: True

SourceId

The asset ID of the owned asset corresponding to the entitled asset being viewed. This parameter is returned when an asset owner is viewing the entitled copy of its owned asset.

> **Type**: string
> **Required**: False

CreatedAt

The date and time that the asset was created, in ISO 8601 format.

Type: string
Required: True

DataSetId

The unique identifier for the data set associated with this asset.

Type: string
Required: True

Id

The unique identifier for the asset.

Type: string
Required: True

AssetDetails

Information about the asset, including its size.

Type: object
Required: True

Arn

The ARN for the asset.

Type: string
Required: True

UpdatedAt

The date and time that the asset was last updated, in ISO 8601 format.

Type: string
Required: True

RevisionId

The unique identifier for the revision associated with this asset.

Type: string
Required: True

Name

The name of the asset. When importing from Amazon S3, the S3 object key is used as the asset name.
When exporting to Amazon S3, the asset name is used as default target S3 object key.

Type: string
Required: True

AssetType

The type of file your data is stored in. Currently, the supported asset type is `S3_SNAPSHOT`.

```
S3_SNAPSHOT
```

InternalServerException

An exception occurred with the service.

Message

The message identifying the service exception that occurred.

Type: string
Required: True

ListOfAssets

The asset objects listed by the request.

NextToken

The token value retrieved from a previous call to access the next page of results.

Type: string
Required: False

Assets

The asset objects listed by the request.

Type: Array of type AssetEntry (p. 15)
Required: True

ResourceNotFoundException

The resource couldn't be found.

Message

The resource couldn't be found.

Type: string
Required: True

ResourceId

The unique identifier for the resource that couldn't be found.

Type: string
Required: False

ResourceType

The type of resource that couldn't be found.

Type: string
Required: False
Values: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

ThrottlingException

The limit on the number of requests per second was exceeded.

Message

The limit on the number of requests per second was exceeded.

Type: string
Required: True

ValidationException

The request was invalid.

Message

The message that informs you about what was invalid about the request.

Type: string
Required: True

ExceptionCause

The message that informs you about what the exception was.

Type: string
Required: False
Values: `InsufficientS3BucketPolicy | S3AccessDenied`

See also

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

ListRevisionAssets

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

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

Data Set

A data set is an AWS resource with one or more revisions. This section defines the `GetDataSet`, `DeleteDataSet`, and `UpdateDataSet` operations.

URI

`/v1/data-sets/`*`DataSetId`*

HTTP methods

GET

Operation ID: `GetDataSet`

This operation returns information about a data set.

Path parameters

Name	Type	Required	Description
DataSetId	String	True	The unique identifier for a data set.

Responses

Status code	Response model	Description
200	TaggedDataSet (p. 21)	200 response
400	ValidationException (p. 21)	400 response
404	ResourceNotFoundException (p. 21)	404 response
429	ThrottlingException (p. 22)	429 response
500	InternalServerException (p. 22)	500 response

DELETE

Operation ID: `DeleteDataSet`

This operation deletes a data set.

Path parameters

Name	Type	Required	Description
DataSetId	String	True	The unique identifier for a data set.

Responses

Status code	Response model	Description
204	None	204 response
400	ValidationException (p. 21)	400 response
403	AccessDeniedException (p. 20)	403 response
404	ResourceNotFoundException (p. 21)	404 response
409	ConflictException (p. 22)	409 response
429	ThrottlingException (p. 22)	429 response
500	InternalServerException (p. 22)	500 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

PATCH

Operation ID: `UpdateDataSet`

This operation updates a data set.

Path parameters

Name	Type	Required	Description
DataSetId	String	True	The unique identifier for a data set.

Responses

Status code	Response model	Description
200	DataSet (p. 21)	200 response
400	ValidationException (p. 21)	400 response
403	AccessDeniedException (p. 20)	403 response
404	ResourceNotFoundException (p. 21)	404 response

Status code	Response model	Description
429	ThrottlingException (p. 22)	429 response
500	InternalServerException (p. 21)	500 response

Schemas

Request bodies

PATCH schema

```
{
  "Description": "string",
  "Name": "string"
}
```

Response bodies

TaggedDataSet schema

```
{
  "Origin": enum,
  "AssetType": enum,
  "Description": "string",
  "SourceId": "string",
  "CreatedAt": "string",
  "Id": "string",
  "Arn": "string",
  "UpdatedAt": "string",
  "Tags": {
  },
  "Name": "string"
}
```

DataSet schema

```
{
  "Origin": enum,
  "AssetType": enum,
  "Description": "string",
  "SourceId": "string",
  "CreatedAt": "string",
  "Id": "string",
  "Arn": "string",
  "UpdatedAt": "string",
  "Name": "string"
}
```

ValidationException schema

```
{
  "Message": "string",
  "ExceptionCause": enum
}
```

AccessDeniedException schema

```
{
   "Message": "string"
}
```

ResourceNotFoundException schema

```
{
   "Message": "string",
   "ResourceId": "string",
   "ResourceType": enum
}
```

ConflictException schema

```
{
   "Message": "string",
   "ResourceId": "string",
   "ResourceType": enum
}
```

ThrottlingException schema

```
{
   "Message": "string"
}
```

InternalServerException schema

```
{
   "Message": "string"
}
```

Properties

AccessDeniedException

Access to the resource is denied.

Message

Access to the resource is denied.

> **Type**: string
> **Required**: True

AssetType

The type of file your data is stored in. Currently, the supported asset type is `S3_SNAPSHOT`.

```
S3_SNAPSHOT
```

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

Message

The request couldn't be completed because it conflicted with the current state of the resource.

> **Type**: string
> **Required**: True

ResourceId

The unique identifier for the resource with the conflict.

> **Type**: string
> **Required**: False

ResourceType

The type of the resource with the conflict.

> **Type**: string
> **Required**: False
> **Values**: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

DataSet

A data set is an AWS resource with one or more revisions.

Origin

A property that defines the data set as `OWNED` by the account (for providers) or `ENTITLED` to the account (for subscribers).

> **Type**: Origin (p. 25)
> **Required**: True

AssetType

The type of file your data is stored in. Currently, the supported asset type is `S3_SNAPSHOT`.

> **Type**: AssetType (p. 22)
> **Required**: True

Description

The description for the data set.

> **Type**: string
> **Required**: True

SourceId

The data set ID of the owned data set corresponding to the entitled data set being viewed. This parameter is returned when a data set owner is viewing the entitled copy of its owned data set.

Type: string
Required: False

CreatedAt

The date and time that the data set was created, in ISO 8601 format.

Type: string
Required: True

Id

The unique identifier for the data set.

Type: string
Required: True

Arn

The ARN for the data set.

Type: string
Required: True

UpdatedAt

The date and time that the data set was last updated, in ISO 8601 format.

Type: string
Required: True

Name

The name of the data set.

Type: string
Required: True

InternalServerException

An exception occurred with the service.

Message

The message identifying the service exception that occurred.

Type: string
Required: True

Origin

A property that defines the data set as `OWNED` by the account (for providers) or `ENTITLED` to the account (for subscribers). When an owned data set is published in a product, AWS Data Exchange creates a copy of the data set. Subscribers can access that copy of the data set as an entitled data set.

```
OWNED
ENTITLED
```

ResourceNotFoundException

The resource couldn't be found.

Message

The resource couldn't be found.

> **Type**: string
> **Required**: True

ResourceId

The unique identifier for the resource that couldn't be found.

> **Type**: string
> **Required**: False

ResourceType

The type of resource that couldn't be found.

> **Type**: string
> **Required**: False
> **Values**: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

TaggedDataSet

A data set is an AWS resource with one or more revisions.

Origin

A property that defines the data set as `OWNED` by the account (for providers) or `ENTITLED` to the account (for subscribers).

> **Type**: Origin (p. 25)
> **Required**: True

AssetType

The type of file your data is stored in. Currently, the supported asset type is `S3_SNAPSHOT`.

> **Type**: AssetType (p. 22)
> **Required**: True

Description

The description for the data set.

> **Type**: string
> **Required**: True

SourceId

The data set ID of the owned data set corresponding to the entitled data set being viewed. This parameter is returned when a data set owner is viewing the entitled copy of its owned data set.

> **Type**: string
> **Required**: False

CreatedAt

The date and time that the data set was created, in ISO 8601 format.

> **Type**: string
> **Required**: True

Id

The unique identifier for the data set.

> **Type**: string
> **Required**: True

Arn

The ARN for the data set.

> **Type**: string
> **Required**: True

UpdatedAt

The date and time that the data set was last updated, in ISO 8601 format.

> **Type**: string
> **Required**: True

Tags

The tags for the data set.

> **Type**: object
> **Required**: False

Name

The name of the data set.

> **Type**: string

Required: True

ThrottlingException

The limit on the number of requests per second was exceeded.

Message

The limit on the number of requests per second was exceeded.

Type: string
Required: True

UpdateDataSetRequest

The request to update a data set.

Description

The description for the data set.

Type: string
Required: False

Name

The name of the data set.

Type: string
Required: False

ValidationException

The request was invalid.

Message

The message that informs you about what was invalid about the request.

Type: string
Required: True

ExceptionCause

The message that informs you about what the exception was.

Type: string
Required: False
Values: `InsufficientS3BucketPolicy | S3AccessDenied`

See also

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

GetDataSet

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteDataSet

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateDataSet

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Data Sets

A data set is an AWS resource with one or more revisions. This section defines the `ListDataSets` and `CreateDataSet` operations.

URI

```
/v1/data-sets
```

HTTP methods

GET

Operation ID: `ListDataSets`

This operation lists your data sets. When listing by origin `OWNED`, results are sorted by `CreatedAt` in descending order. When listing by origin `ENTITLED`, there is no order and the `maxResults` parameter is ignored.

Query parameters

Name	Type	Required	Description
origin	String	False	A property that defines the data set as `OWNED` by the account (for providers) or `ENTITLED` to the account (for subscribers).
nextToken	String	False	The token value retrieved from a previous call to access the next page of results.
maxResults	String	False	The maximum number of results returned by a single call.

Responses

Status code	Response model	Description
200	ListOfDataSets (p. 30)	200 response
400	ValidationException (p. 31)	400 response
404	ResourceNotFoundException (p. 31)	404 response
429	ThrottlingException (p. 31)	429 response
500	InternalServerException (p. 31)	500 response

POST

Operation ID: `CreateDataSet`

This operation creates a data set.

Responses

Status code	Response model	Description
201	TaggedDataSet (p. 31)	201 response

Status code	Response model	Description
400	ValidationException (p. 31)	400 response
402	ServiceQuotaExceededException (p. 31)	402 response
403	AccessDeniedException (p. 31)	403 response
429	ThrottlingException (p. 31)	429 response
500	InternalServerException (p. 31)	500 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Request bodies

POST schema

```
{
  "AssetType": enum,
  "Description": "string",
  "Tags": {
  },
  "Name": "string"
}
```

Response bodies

ListOfDataSets schema

```
{
  "NextToken": "string",
  "DataSets": [
    {
      "Origin": enum,
      "AssetType": enum,
      "Description": "string",
      "SourceId": "string",
      "CreatedAt": "string",
      "Id": "string",
      "Arn": "string",
      "UpdatedAt": "string",
      "Name": "string"
    }
  ]
}
```

TaggedDataSet schema

```
{
  "Origin": enum,
  "AssetType": enum,
  "Description": "string",
  "SourceId": "string",
  "CreatedAt": "string",
  "Id": "string",
  "Arn": "string",
  "UpdatedAt": "string",
  "Tags": {
  },
  "Name": "string"
}
```

ValidationException schema

```
{
  "Message": "string",
  "ExceptionCause": enum
}
```

ServiceQuotaExceededException schema

```
{
  "Message": "string",
  "LimitName": enum,
  "LimitValue": number
}
```

AccessDeniedException schema

```
{
  "Message": "string"
}
```

ResourceNotFoundException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
}
```

ThrottlingException schema

```
{
  "Message": "string"
}
```

InternalServerException schema

```
{
```

```
    "Message": "string"
}
```

Properties

AccessDeniedException

Access to the resource is denied.

Message

Access to the resource is denied.

> **Type**: string
> **Required**: True

AssetType

The type of file your data is stored in. Currently, the supported asset type is S3_SNAPSHOT.

> S3_SNAPSHOT

CreateDataSetRequest

A request to create a data set that contains one or more revisions.

AssetType

The type of file your data is stored in. Currently, the supported asset type is S3_SNAPSHOT.

> **Type**: AssetType (p. 32)
> **Required**: True

Description

A description for the data set. This value can be up to 16,348 characters long.

> **Type**: string
> **Required**: True

Tags

A data set tag is an optional label that you can assign to a data set when you create it. Each tag consists of a key and an optional value, both of which you define. When you use tagging, you can also use tag-based access control in IAM policies to control access to these data sets and revisions.

> **Type**: object
> **Required**: False

Name

The name of the data set.

> **Type**: string

Required: True

DataSetEntry

A data set is an AWS resource with one or more revisions.

Origin

A property that defines the data set as OWNED by the account (for providers) or ENTITLED to the account (for subscribers).

    Type: Origin (p. 34)
    Required: True

AssetType

The type of file your data is stored in. Currently, the supported asset type is S3_SNAPSHOT.

    Type: AssetType (p. 32)
    Required: True

Description

The description for the data set.

    Type: string
    Required: True

SourceId

The data set ID of the owned data set corresponding to the entitled data set being viewed. This parameter is returned when a data set owner is viewing the entitled copy of its owned data set.

    Type: string
    Required: False

CreatedAt

The date and time that the data set was created, in ISO 8601 format.

    Type: string
    Required: True

Id

The unique identifier for the data set.

    Type: string
    Required: True

Arn

The ARN for the data set.

Type: string
Required: True

UpdatedAt

The date and time that the data set was last updated, in ISO 8601 format.

Type: string
Required: True

Name

The name of the data set.

Type: string
Required: True

InternalServerException

An exception occurred with the service.

Message

The message identifying the service exception that occurred.

Type: string
Required: True

ListOfDataSets

The data set objects listed by the request.

NextToken

The token value retrieved from a previous call to access the next page of results.

Type: string
Required: False

DataSets

The data set objects listed by the request.

Type: Array of type DataSetEntry (p. 33)
Required: True

Origin

A property that defines the data set as OWNED by the account (for providers) or ENTITLED to the account (for subscribers). When an owned data set is published in a product, AWS Data Exchange creates a copy of the data set. Subscribers can access that copy of the data set as an entitled data set.

OWNED

```
ENTITLED
```

ResourceNotFoundException

The resource couldn't be found.

Message

The resource couldn't be found.

> **Type**: string
> **Required**: True

ResourceId

The unique identifier for the resource that couldn't be found.

> **Type**: string
> **Required**: False

ResourceType

The type of resource that couldn't be found.

> **Type**: string
> **Required**: False
> **Values**: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

ServiceQuotaExceededException

The request has exceeded the quotas imposed by the service.

Message

The request has exceeded the quotas imposed by the service.

> **Type**: string
> **Required**: True

LimitName

The name of the quota that was exceeded.

> **Type**: string
> **Required**: False
> **Values**: `Products per account | Data sets per account | Data sets per product`
> `| Revisions per data set | Revisions per Amazon Redshift datashare data`
> `set | Assets per revision | Amazon Redshift datashare assets per revision`
> `| products per data set | Assets per import job from Amazon S3 | Amazon`
> `Redshift datashare assets per import job from Redshift | Asset per export`
> `job from Amazon S3 | Asset size in GB | Concurrent in progress jobs to import`
> `assets from Amazon S3 | Concurrent in progress jobs to import assets from`
> `a signed URL | Concurrent in progress jobs to import assets from Amazon`
> `Redshift datashares | Concurrent in progress jobs to import assets from an`

```
API Gateway API | Concurrent in progress jobs to export assets to Amazon S3 |
Concurrent in progress jobs to export assets to a signed URL | Concurrent in
progress jobs to export revisions to Amazon S3 | Revisions per change set |
Private offers per account | Bring-Your-Own-Subscription offers per account |
Event actions per account | Auto export event actions per data set
```

LimitValue

The maximum value for the service-specific limit.

Type: number
Required: False
Format: float

TaggedDataSet

A data set is an AWS resource with one or more revisions.

Origin

A property that defines the data set as `OWNED` by the account (for providers) or `ENTITLED` to the account (for subscribers).

Type: Origin (p. 34)
Required: True

AssetType

The type of file your data is stored in. Currently, the supported asset type is `S3_SNAPSHOT`.

Type: AssetType (p. 32)
Required: True

Description

The description for the data set.

Type: string
Required: True

SourceId

The data set ID of the owned data set corresponding to the entitled data set being viewed. This parameter is returned when a data set owner is viewing the entitled copy of its owned data set.

Type: string
Required: False

CreatedAt

The date and time that the data set was created, in ISO 8601 format.

Type: string
Required: True

Id

The unique identifier for the data set.

> **Type**: string
> **Required**: True

Arn

The ARN for the data set.

> **Type**: string
> **Required**: True

UpdatedAt

The date and time that the data set was last updated, in ISO 8601 format.

> **Type**: string
> **Required**: True

Tags

The tags for the data set.

> **Type**: object
> **Required**: False

Name

The name of the data set.

> **Type**: string
> **Required**: True

ThrottlingException

The limit on the number of requests per second was exceeded.

Message

The limit on the number of requests per second was exceeded.

> **Type**: string
> **Required**: True

ValidationException

The request was invalid.

Message

The message that informs you about what was invalid about the request.

Type: string
Required: True

ExceptionCause

The message that informs you about what the exception was.

Type: string
Required: False
Values: `InsufficientS3BucketPolicy | S3AccessDenied`

See also

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

ListDataSets

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateDataSet

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Event action

An event action is an object that defines the relationship between a specific event and an automated action that will be taken on behalf of the customer.

This section defines the `GetEventAction`, `DeleteEventAction`, and `UpdateEventAction` operations.

URI

`/v1/event-actions/`*`EventActionId`*

HTTP methods

GET

Operation ID: `GetEventAction`

This operation retrieves information about an event action.

Path parameters

Name	Type	Required	Description
EventActionId	String	True	The unique identifier for the event action.

Responses

Status code	Response model	Description
400	ValidationException (p. 414)	400 response
404	ResourceNotFoundException (p.)	404 response
429	ThrottlingException (p. 41)	429 response
500	InternalServerException (p.)	500 response

DELETE

Operation ID: `DeleteEventAction`

This operation deletes the event action.

Path parameters

Name	Type	Required	Description
EventActionId	String	True	The unique identifier for the event action.

Responses

Status code	Response model	Description
204	None	204 response
400	ValidationException (p. 41)	400 response
404	ResourceNotFoundException (p.)	404 response
429	ThrottlingException (p. 41)	429 response

Status code	Response model	Description
500	InternalServerException (p. 501)	500 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

PATCH

Operation ID: UpdateEventAction

This operation updates the event action.

Path parameters

Name	Type	Required	Description
EventActionId	String	True	The unique identifier for the event action.

Responses

Status code	Response model	Description
400	ValidationException (p. 417)	400 response
403	AccessDeniedException (p. 403)	403 response
404	ResourceNotFoundException (p. 414)	404 response
429	ThrottlingException (p. 415)	429 response
500	InternalServerException (p. 501)	500 response

Schemas

Request bodies

PATCH schema

```
{
  "Action": {
  }
}
```

Response bodies

ValidationException schema

```
{
  "Message": "string",
  "ExceptionCause": enum
}
```

AccessDeniedException schema

```
{
  "Message": "string"
}
```

ResourceNotFoundException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
}
```

ThrottlingException schema

```
{
  "Message": "string"
}
```

InternalServerException schema

```
{
  "Message": "string"
}
```

Properties

AccessDeniedException

Access to the resource is denied.

Message

Access to the resource is denied.

> **Type**: string
> **Required**: True

AutoExportRevisionDestinationEntry

A revision destination is the Amazon S3 bucket folder destination to where the export will be sent.

KeyPattern

A string representing the pattern for generated names of the individual assets in the revision. For more information about key patterns, see Key patterns when exporting revisions.

   Type: string
   Required: False

Bucket

The S3 bucket that is the destination for the event action.

   Type: string
   Required: True

ExportServerSideEncryption

Encryption configuration of the export job. Includes the encryption type in addition to the AWS KMS key. The KMS key is only necessary if you chose the KMS encryption. type.

Type

The type of server side encryption used for encrypting the objects in Amazon S3.

   Type: ServerSideEncryptionTypes (p. 43)
   Required: True

KmsKeyArn

The Amazon Resource Name (ARN) of the AWS KMS key you want to use to encrypt the Amazon S3 objects. This parameter is required if you choose `aws:kms` as an encryption type.

   Type: string
   Required: False

InternalServerException

An exception occurred with the service.

Message

The message identifying the service exception that occurred.

   Type: string
   Required: True

ResourceNotFoundException

The resource couldn't be found.

Message

The resource couldn't be found.

Type: string
Required: True

ResourceId

The unique identifier for the resource that couldn't be found.

Type: string
Required: False

ResourceType

The type of resource that couldn't be found.

Type: string
Required: False
Values: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

ServerSideEncryptionTypes

The types of encryption supported in export jobs to Amazon S3.

```
aws:kms
AES256
```

ThrottlingException

The limit on the number of requests per second was exceeded.

Message

The limit on the number of requests per second was exceeded.

Type: string
Required: True

UpdateEventActionRequest

Action

What occurs after a certain event.

Type: object
Required: False

ValidationException

The request was invalid.

Message

The message that informs you about what was invalid about the request.

Type: string
Required: True

ExceptionCause

The message that informs you about what the exception was.

Type: string
Required: False
Values: `InsufficientS3BucketPolicy | S3AccessDenied`

See also

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

GetEventAction

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteEventAction

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateEventAction

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2

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

Event actions

An event action is an object that defines the relationship between a specific event and an automated action that will be taken on behalf of the customer.

This section defines the `ListEventActions` and `CreateEventAction` operations.

URI

`/v1/event-actions`

HTTP methods

GET

Operation ID: `ListEventActions`

This operation lists your event actions.

Query parameters

Name	Type	Required	Description
`eventSourceId`	String	False	The unique identifier for the event source.
`nextToken`	String	False	The token value retrieved from a previous call to access the next page of results.
`maxResults`	String	False	The maximum number of results returned by a single call.

Responses

Status code	Response model	Description
200	`ListOfEventActions (p. 46)`	200 response
400	`ValidationException (p. 47)`	400 response
404	`ResourceNotFoundException (p. 47)`	404 response
429	`ThrottlingException (p. 47)`	429 response
500	`InternalServerException (p. 47)`	500 response

POST

Operation ID: `CreateEventAction`

This operation creates an event action.

Responses

Status code	Response model	Description
400	ValidationException (p. 47)	400 response
402	ServiceQuotaExceededException (p. 45)	402 response
403	AccessDeniedException (p. 40)	403 response
429	ThrottlingException (p. 47)	429 response
500	InternalServerException (p. 00)	500 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Request bodies

POST schema

```
{
  "Action": {
  },
  "Event": {
  }
}
```

Response bodies

ListOfEventActions schema

```
{
  "NextToken": "string",
  "EventActions": [
    {
      "Action": {
      },
      "CreatedAt": "string",
      "Event": {
      },
      "Id": "string",
      "Arn": "string",
```

```
        "UpdatedAt": "string"
    }
  ]
}
```

ValidationException schema

```
{
  "Message": "string",
  "ExceptionCause": enum
}
```

ServiceQuotaExceededException schema

```
{
  "Message": "string",
  "LimitName": enum,
  "LimitValue": number
}
```

AccessDeniedException schema

```
{
  "Message": "string"
}
```

ResourceNotFoundException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
}
```

ThrottlingException schema

```
{
  "Message": "string"
}
```

InternalServerException schema

```
{
  "Message": "string"
}
```

Properties

AccessDeniedException

Access to the resource is denied.

Message

Access to the resource is denied.

> **Type**: string
> **Required**: True

AutoExportRevisionDestinationEntry

A revision destination is the Amazon S3 bucket folder destination to where the export will be sent.

KeyPattern

A string representing the pattern for generated names of the individual assets in the revision. For more information about key patterns, see Key patterns when exporting revisions.

> **Type**: string
> **Required**: False

Bucket

The S3 bucket that is the destination for the event action.

> **Type**: string
> **Required**: True

CreateEventActionRequest

A request to create an event action.

Action

What occurs after a certain event.

> **Type**: object
> **Required**: True

Event

What occurs to start an action.

> **Type**: object
> **Required**: True

EventActionEntry

An event action is an object that defines the relationship between a specific event and an automated action that will be taken on behalf of the customer.

Action

What occurs after a certain event.

> **Type**: object

Required: True

CreatedAt

The date and time that the event action was created, in ISO 8601 format.

Type: string
Required: True

Event

What occurs to start an action.

Type: object
Required: True

Id

The unique identifier for the event action.

Type: string
Required: True

Arn

The ARN for the event action.

Type: string
Required: True

UpdatedAt

The date and time that the event action was last updated, in ISO 8601 format.

Type: string
Required: True

ExportServerSideEncryption

Encryption configuration of the export job. Includes the encryption type in addition to the AWS KMS key. The KMS key is only necessary if you chose the KMS encryption. type.

Type

The type of server side encryption used for encrypting the objects in Amazon S3.

Type: ServerSideEncryptionTypes (p. 51)
Required: True

KmsKeyArn

The Amazon Resource Name (ARN) of the AWS KMS key you want to use to encrypt the Amazon S3 objects. This parameter is required if you choose `aws:kms` as an encryption type.

Type: string
Required: False

InternalServerException

An exception occurred with the service.

Message

The message identifying the service exception that occurred.

Type: string
Required: True

ListOfEventActions

The event entry oobjects listed by the request.

NextToken

The token value retrieved from a previous call to access the next page of results.

Type: string
Required: False

EventActions

The event action objects listed by the request.

Type: Array of type EventActionEntry (p. 48)
Required: True

ResourceNotFoundException

The resource couldn't be found.

Message

The resource couldn't be found.

Type: string
Required: True

ResourceId

The unique identifier for the resource that couldn't be found.

Type: string
Required: False

ResourceType

The type of resource that couldn't be found.

Type: string

Required: False

Values: DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION

ServerSideEncryptionTypes

The types of encryption supported in export jobs to Amazon S3.

```
aws:kms
AES256
```

ServiceQuotaExceededException

The request has exceeded the quotas imposed by the service.

Message

The request has exceeded the quotas imposed by the service.

Type: string

Required: True

LimitName

The name of the quota that was exceeded.

Type: string

Required: False

Values: Products per account | Data sets per account | Data sets per product
| Revisions per data set | Revisions per Amazon Redshift datashare data
set | Assets per revision | Amazon Redshift datashare assets per revision
| products per data set | Assets per import job from Amazon S3 | Amazon
Redshift datashare assets per import job from Redshift | Asset per export
job from Amazon S3 | Asset size in GB | Concurrent in progress jobs to import
assets from Amazon S3 | Concurrent in progress jobs to import assets from
a signed URL | Concurrent in progress jobs to import assets from Amazon
Redshift datashares | Concurrent in progress jobs to import assets from an
API Gateway API | Concurrent in progress jobs to export assets to Amazon S3 |
Concurrent in progress jobs to export assets to a signed URL | Concurrent in
progress jobs to export revisions to Amazon S3 | Revisions per change set |
Private offers per account | Bring-Your-Own-Subscription offers per account |
Event actions per account | Auto export event actions per data set

LimitValue

The maximum value for the service-specific limit.

Type: number

Required: False

Format: float

ThrottlingException

The limit on the number of requests per second was exceeded.

Message

The limit on the number of requests per second was exceeded.

Type: string
Required: True

ValidationException

The request was invalid.

Message

The message that informs you about what was invalid about the request.

Type: string
Required: True

ExceptionCause

The message that informs you about what the exception was.

Type: string
Required: False
Values: `InsufficientS3BucketPolicy | S3AccessDenied`

See also

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

ListEventActions

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateEventAction

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go

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

Job

AWS Data Exchange jobs are asynchronous import or export operations used to create or copy assets. A data set owner can both import and export as they see fit. Someone with an entitlement to a data set can only export. Jobs are deleted 90 days after they are created.

This section defines the `GetJob`, `CancelJob`, and `StartJob` operations.

URI

`/v1/jobs/`*`JobId`*

HTTP methods

GET

Operation ID: `GetJob`

This operation returns information about a job.

Path parameters

Name	Type	Required	Description
JobId	String	True	The unique identifier for a job.

Responses

Status code	Response model	Description
200	Job (p. 55)	200 response
400	ValidationException (p. 55)	400 response
404	ResourceNotFoundException (p. 54)	404 response
429	ThrottlingException (p. 56)	429 response
500	InternalServerException (p. 56)	500 response

DELETE

Operation ID: `CancelJob`

This operation cancels a job. Jobs can be cancelled only when they are in the `WAITING` state.

Path parameters

Name	Type	Required	Description
JobId	String	True	The unique identifier for a job.

Responses

Status code	Response model	Description
204	None	204 response
400	ValidationException (p. 55)	400 response
404	ResourceNotFoundException (p. 55)	404 response
409	ConflictException (p. 55)	409 response
429	ThrottlingException (p. 56)	429 response
500	InternalServerException (p. 56)	500 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

PATCH

Operation ID: `StartJob`

This operation starts a job.

Path parameters

Name	Type	Required	Description
JobId	String	True	The unique identifier for a job.

Responses

Status code	Response model	Description
202	None	202 response
400	ValidationException (p. 55)	400 response
403	AccessDeniedException (p. 54)	403 response

Status code	Response model	Description
404	ResourceNotFoundException (404 response)	404 response
409	ConflictException (p. 55)	409 response
429	ThrottlingException (p. 56)	429 response
500	InternalServerException (p. 56)	500 response

Schemas

Response bodies

Job schema

```
{
  "Type": enum,
  "State": enum,
  "CreatedAt": "string",
  "Id": "string",
  "Arn": "string",
  "UpdatedAt": "string"
}
```

ValidationException schema

```
{
  "Message": "string",
  "ExceptionCause": enum
}
```

AccessDeniedException schema

```
{
  "Message": "string"
}
```

ResourceNotFoundException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
}
```

ConflictException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
```

```
}
```

ThrottlingException schema

```
{
  "Message": "string"
}
```

InternalServerException schema

```
{
  "Message": "string"
}
```

Properties

AccessDeniedException

Access to the resource is denied.

Message

Access to the resource is denied.

> **Type**: string
> **Required**: True

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

Message

The request couldn't be completed because it conflicted with the current state of the resource.

> **Type**: string
> **Required**: True

ResourceId

The unique identifier for the resource with the conflict.

> **Type**: string
> **Required**: False

ResourceType

The type of the resource with the conflict.

> **Type**: string
> **Required**: False

Values: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

InternalServerException

An exception occurred with the service.

Message

The message identifying the service exception that occurred.

Type: string
Required: True

Job

AWS Data Exchange jobs are asynchronous import or export operations used to create or copy assets. Jobs are deleted 90 days after they are created.

Type

The job type.

Type: string
Required: True
Values: `IMPORT_ASSETS_FROM_S3 | IMPORT_ASSET_FROM_SIGNED_URL | EXPORT_ASSETS_TO_S3 | EXPORT_ASSET_TO_SIGNED_URL | EXPORT_REVISIONS_TO_S3`

State

The state of the job.

Type: string
Required: True
Values: `WAITING | IN_PROGRESS | ERROR | COMPLETED | CANCELLED | TIMED_OUT`

CreatedAt

The date and time that the job was created, in ISO 8601 format.

Type: string
Required: True

Id

The unique identifier for the job.

Type: string
Required: True

Arn

The ARN for the job.

Type: string

Required: True

UpdatedAt

The date and time that the job was last updated, in ISO 8601 format.

>   **Type**: string
>   **Required**: True

ResourceNotFoundException

The resource couldn't be found.

Message

The resource couldn't be found.

>   **Type**: string
>   **Required**: True

ResourceId

The unique identifier for the resource that couldn't be found.

>   **Type**: string
>   **Required**: False

ResourceType

The type of resource that couldn't be found.

>   **Type**: string
>   **Required**: False
>   **Values**: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

ThrottlingException

The limit on the number of requests per second was exceeded.

Message

The limit on the number of requests per second was exceeded.

>   **Type**: string
>   **Required**: True

ValidationException

The request was invalid.

Message

The message that informs you about what was invalid about the request.

Type: string
Required: True

ExceptionCause

The message that informs you about what the exception was.

Type: string
Required: False
Values: `InsufficientS3BucketPolicy | S3AccessDenied`

See also

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

GetJob

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CancelJob

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StartJob

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go

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

Jobs

AWS Data Exchange jobs are asynchronous import or export operations used to create or copy assets. A data set owner can both import and export as they see fit. Someone with an entitlement to a data set can only export. Jobs are deleted 90 days after they are created.

This section defines the `ListJobs` and `CreateJob` operations.

URI

`/v1/jobs`

HTTP methods

GET

Operation ID: `ListJobs`

This operation lists your jobs sorted by `CreatedAt` in descending order.

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token value retrieved from a previous call to access the next page of results.
maxResults	String	False	The maximum number of results returned by a single call.
revisionId	String	False	The unique identifier for a revision.
dataSetId	String	False	The unique identifier for a data set.

Responses

Status code	Response model	Description
200	ListOfJobs (p. 62)	200 response
400	ValidationException (p. 62)	400 response

Status code	Response model	Description
404	ResourceNotFoundException (p. 62)	404 response
429	ThrottlingException (p. 63)	429 response
500	InternalServerException (p. 63)	500 response

POST

Operation ID: `CreateJob`

This operation creates a job.

Responses

Status code	Response model	Description
201	Job (p. 62)	201 response
400	ValidationException (p. 62)	400 response
402	ServiceQuotaExceededException (p. 63)	402 response
403	AccessDeniedException (p. 61)	403 response
404	ResourceNotFoundException (p. 62)	404 response
409	ConflictException (p. 63)	409 response
429	ThrottlingException (p. 63)	429 response
500	InternalServerException (p. 63)	500 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Request bodies

POST schema

```
{
  "Type": enum
}
```

Response bodies

ListOfJobs schema

```
{
  "NextToken": "string",
  "Jobs": [
    {
      "Type": enum,
      "State": enum,
      "CreatedAt": "string",
      "Id": "string",
      "Arn": "string",
      "UpdatedAt": "string"
    }
  ]
}
```

Job schema

```
{
  "Type": enum,
  "State": enum,
  "CreatedAt": "string",
  "Id": "string",
  "Arn": "string",
  "UpdatedAt": "string"
}
```

ValidationException schema

```
{
  "Message": "string",
  "ExceptionCause": enum
}
```

ServiceQuotaExceededException schema

```
{
  "Message": "string",
  "LimitName": enum,
  "LimitValue": number
}
```

AccessDeniedException schema

```
{
  "Message": "string"
}
```

ResourceNotFoundException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
```

```
}
```

ConflictException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
}
```

ThrottlingException schema

```
{
  "Message": "string"
}
```

InternalServerException schema

```
{
  "Message": "string"
}
```

Properties

AccessDeniedException

Access to the resource is denied.

Message

Access to the resource is denied.

> **Type**: string
> **Required**: True

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

Message

The request couldn't be completed because it conflicted with the current state of the resource.

> **Type**: string
> **Required**: True

ResourceId

The unique identifier for the resource with the conflict.

> **Type**: string

Required: False

ResourceType

The type of the resource with the conflict.

    Type: string
    Required: False
    Values: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

CreateJobRequest

The `CreateJob` request. AWS Data Exchange Jobs are asynchronous import or export operations used to create or copy assets. A data set owner can both import and export assets. A subscriber with an entitlement to a data set can only export. Jobs are deleted 90 days after they are created. Created jobs must be started with the `StartJob` operation.

Type

The type of job to be created.

    Type: string
    Required: True
    Values: `IMPORT_ASSETS_FROM_S3 | IMPORT_ASSET_FROM_SIGNED_URL |`
    `EXPORT_ASSETS_TO_S3 | EXPORT_ASSET_TO_SIGNED_URL | EXPORT_REVISIONS_TO_S3`

InternalServerException

An exception occurred with the service.

Message

The message identifying the service exception that occurred.

    Type: string
    Required: True

Job

AWS Data Exchange jobs are asynchronous import or export operations used to create or copy assets. Jobs are deleted 90 days after they are created.

Type

The job type.

    Type: string
    Required: True
    Values: `IMPORT_ASSETS_FROM_S3 | IMPORT_ASSET_FROM_SIGNED_URL |`
    `EXPORT_ASSETS_TO_S3 | EXPORT_ASSET_TO_SIGNED_URL | EXPORT_REVISIONS_TO_S3`

State

The state of the job.

Type: string
Required: True
Values: WAITING | IN_PROGRESS | ERROR | COMPLETED | CANCELLED | TIMED_OUT

CreatedAt

The date and time that the job was created, in ISO 8601 format.

Type: string
Required: True

Id

The unique identifier for the job.

Type: string
Required: True

Arn

The ARN for the job.

Type: string
Required: True

UpdatedAt

The date and time that the job was last updated, in ISO 8601 format.

Type: string
Required: True

JobEntry

AWS Data Exchange Jobs are asynchronous import or export operations used to create or copy assets. A data set owner can both import and export as they see fit. Someone with an entitlement to a data set can only export. Jobs are deleted 90 days after they are created.

Type

The job type.

Type: string
Required: True
Values: IMPORT_ASSETS_FROM_S3 | IMPORT_ASSET_FROM_SIGNED_URL |
EXPORT_ASSETS_TO_S3 | EXPORT_ASSET_TO_SIGNED_URL | EXPORT_REVISIONS_TO_S3

State

The state of the job.

Type: string
Required: True
Values: WAITING | IN_PROGRESS | ERROR | COMPLETED | CANCELLED | TIMED_OUT

CreatedAt

The date and time that the job was created, in ISO 8601 format.

Type: string
Required: True

Id

The unique identifier for the job.

Type: string
Required: True

Arn

The ARN for the job.

Type: string
Required: True

UpdatedAt

The date and time that the job was last updated, in ISO 8601 format.

Type: string
Required: True

ListOfJobs

The token value retrieved from a previous call to access the next page of results.

NextToken

The token value retrieved from a previous call to access the next page of results.

Type: string
Required: False

Jobs

The jobs listed by the request.

Type: Array of type JobEntry (p. 65)
Required: True

ResourceNotFoundException

The resource couldn't be found.

Message

The resource couldn't be found.

Type: string
Required: True

ResourceId

The unique identifier for the resource that couldn't be found.

Type: string
Required: False

ResourceType

The type of resource that couldn't be found.

Type: string
Required: False
Values: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

ServiceQuotaExceededException

The request has exceeded the quotas imposed by the service.

Message

The request has exceeded the quotas imposed by the service.

Type: string
Required: True

LimitName

The name of the quota that was exceeded.

Type: string
Required: False
Values: `Products per account | Data sets per account | Data sets per product
| Revisions per data set | Revisions per Amazon Redshift datashare data
set | Assets per revision | Amazon Redshift datashare assets per revision
| products per data set | Assets per import job from Amazon S3 | Amazon
Redshift datashare assets per import job from Redshift | Asset per export
job from Amazon S3 | Asset size in GB | Concurrent in progress jobs to import
assets from Amazon S3 | Concurrent in progress jobs to import assets from
a signed URL | Concurrent in progress jobs to import assets from Amazon
Redshift datashares | Concurrent in progress jobs to import assets from an
API Gateway API | Concurrent in progress jobs to export assets to Amazon S3 |
Concurrent in progress jobs to export assets to a signed URL | Concurrent in
progress jobs to export revisions to Amazon S3 | Revisions per change set |
Private offers per account | Bring-Your-Own-Subscription offers per account |
Event actions per account | Auto export event actions per data set`

LimitValue

The maximum value for the service-specific limit.

Type: number

Required: False
Format: float

ThrottlingException

The limit on the number of requests per second was exceeded.

Message

The limit on the number of requests per second was exceeded.

Type: string
Required: True

ValidationException

The request was invalid.

Message

The message that informs you about what was invalid about the request.

Type: string
Required: True

ExceptionCause

The message that informs you about what the exception was.

Type: string
Required: False
Values: `InsufficientS3BucketPolicy | S3AccessDenied`

See also

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

ListJobs

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateJob

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Revision

A revision is a container for one or more assets. As new data is available, you create revisions and add assets. This section defines the `GetRevision`, `DeleteRevision`, and `UpdateRevision` operations.

URI

`/v1/data-sets/`*`DataSetId`*`/revisions/`*`RevisionId`*

HTTP methods

GET

Operation ID: `GetRevision`

This operation returns information about a revision.

Path parameters

Name	Type	Required	Description
RevisionId	String	True	The unique identifier for a revision.
DataSetId	String	True	The unique identifier for a data set.

Responses

Status code	Response model	Description
200	TaggedRevision (p. 71)	200 response
400	ValidationException (p. 72)	400 response
404	ResourceNotFoundException (p. 71)	404 response
429	ThrottlingException (p. 72)	429 response
500	InternalServerException (p. 72)	500 response

DELETE

Operation ID: `DeleteRevision`

This operation deletes a revision.

Path parameters

Name	Type	Required	Description
RevisionId	String	True	The unique identifier for a revision.
DataSetId	String	True	The unique identifier for a data set.

Responses

Status code	Response model	Description
204	None	204 response
400	ValidationException (p. 72)	400 response
403	AccessDeniedException (p. 70)	403 response
404	ResourceNotFoundException (p. 71)	404 response
409	ConflictException (p. 72)	409 response
429	ThrottlingException (p. 72)	429 response
500	InternalServerException (p. 72)	500 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

PATCH

Operation ID: `UpdateRevision`

This operation updates a revision.

Path parameters

Name	Type	Required	Description
RevisionId	String	True	The unique identifier for a revision.
DataSetId	String	True	The unique identifier for a data set.

Responses

Status code	Response model	Description
200	Revision (p. 71)	200 response
400	ValidationException (p. 72)	400 response
403	AccessDeniedException (p. 71)	403 response
404	ResourceNotFoundException (p. 71)	404 response
409	ConflictException (p. 72)	409 response
429	ThrottlingException (p. 72)	429 response
500	InternalServerException (p 72)	500 response

Schemas

Request bodies

PATCH schema

```
{
  "Comment": "string",
  "Finalized": boolean
}
```

Response bodies

TaggedRevision schema

```
{
  "Comment": "string",
  "Revoked": boolean,
  "SourceId": "string",
  "CreatedAt": "string",
  "DataSetId": "string",
  "RevocationComment": "string",
  "Id": "string",
  "Arn": "string",
  "UpdatedAt": "string",
  "Finalized": boolean,
  "Tags": {
  }
}
```

Revision schema

```
{
  "Comment": "string",
  "Revoked": boolean,
  "SourceId": "string",
  "CreatedAt": "string",
  "DataSetId": "string",
  "RevocationComment": "string",
  "Id": "string",
```

```
  "Arn": "string",
  "UpdatedAt": "string",
  "Finalized": boolean
}
```

ValidationException schema

```
{
  "Message": "string",
  "ExceptionCause": enum
}
```

AccessDeniedException schema

```
{
  "Message": "string"
}
```

ResourceNotFoundException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
}
```

ConflictException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
}
```

ThrottlingException schema

```
{
  "Message": "string"
}
```

InternalServerException schema

```
{
  "Message": "string"
}
```

Properties

AccessDeniedException

Access to the resource is denied.

Message

Access to the resource is denied.

> **Type**: string
> **Required**: True

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

Message

The request couldn't be completed because it conflicted with the current state of the resource.

> **Type**: string
> **Required**: True

ResourceId

The unique identifier for the resource with the conflict.

> **Type**: string
> **Required**: False

ResourceType

The type of the resource with the conflict.

> **Type**: string
> **Required**: False
> **Values**: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

InternalServerException

An exception occurred with the service.

Message

The message identifying the service exception that occurred.

> **Type**: string
> **Required**: True

ResourceNotFoundException

The resource couldn't be found.

Message

The resource couldn't be found.

> **Type**: string
> **Required**: True

ResourceId

The unique identifier for the resource that couldn't be found.

Type: string
Required: False

ResourceType

The type of resource that couldn't be found.

Type: string
Required: False
Values: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

Revision

A revision is a container for one or more assets.

Comment

An optional comment about the revision.

Type: string
Required: False
MinLength: 0
MaxLength: 16384

Revoked

Type: boolean
Required: False

SourceId

The revision ID of the owned revision corresponding to the entitled revision being viewed. This parameter is returned when a revision owner is viewing the entitled copy of its owned revision.

Type: string
Required: False

CreatedAt

The date and time that the revision was created, in ISO 8601 format.

Type: string
Required: True

DataSetId

The unique identifier for the data set associated with this revision.

Type: string
Required: True

RevocationComment

>**Type**: string
>**Required**: False
>**MinLength**: 10
>**MaxLength**: 512

Id

The unique identifier for the revision.

>**Type**: string
>**Required**: True

Arn

The ARN for the revision.

>**Type**: string
>**Required**: True

UpdatedAt

The date and time that the revision was last updated, in ISO 8601 format.

>**Type**: string
>**Required**: True

Finalized

To publish a revision to a data set in a product, the revision must first be finalized. Finalizing a revision tells AWS Data Exchange that changes to the assets in the revision are complete. After it's in this read-only state, you can publish the revision to your products.

Finalized revisions can be published through the AWS Data Exchange console or the AWS Marketplace Catalog API, using the StartChangeSet AWS Marketplace Catalog API action. When using the API, revisions are uniquely identified by their ARN.

>**Type**: boolean
>**Required**: False

TaggedRevision

A revision tag is an optional label that you can assign to a revision when you create it. Each tag consists of a key and an optional value, both of which you define. When you use tagging, you can also use tag-based access control in IAM policies to control access to these data sets and revisions.

Comment

An optional comment about the revision.

>**Type**: string
>**Required**: False
>**MinLength**: 0
>**MaxLength**: 16384

Revoked

Type: boolean
Required: False

SourceId

The revision ID of the owned revision corresponding to the entitled revision being viewed. This parameter is returned when a revision owner is viewing the entitled copy of its owned revision.

Type: string
Required: False

CreatedAt

The date and time that the revision was created, in ISO 8601 format.

Type: string
Required: True

DataSetId

The unique identifier for the data set associated with this revision.

Type: string
Required: True

RevocationComment

Type: string
Required: False
MinLength: 10
MaxLength: 512

Id

The unique identifier for the revision.

Type: string
Required: True

Arn

The ARN for the revision

Type: string
Required: True

UpdatedAt

The date and time that the revision was last updated, in ISO 8601 format.

Type: string
Required: True

Finalized

To publish a revision to a data set in a product, the revision must first be finalized. Finalizing a revision tells AWS Data Exchange that your changes to the assets in the revision are complete. After it's in this read-only state, you can publish the revision to your products.

Finalized revisions can be published through the AWS Data Exchange console or the AWS Marketplace Catalog API, using the StartChangeSet AWS Marketplace Catalog API action. When using the API, revisions are uniquely identified by their ARN.

> **Type**: boolean
> **Required**: False

Tags

The tags for the revision.

> **Type**: object
> **Required**: False

ThrottlingException

The limit on the number of requests per second was exceeded.

Message

The limit on the number of requests per second was exceeded.

> **Type**: string
> **Required**: True

UpdateRevisionRequest

The request to update a revision.

Comment

An optional comment about the revision.

> **Type**: string
> **Required**: False
> **MinLength**: 0
> **MaxLength**: 16384

Finalized

Finalizing a revision tells AWS Data Exchange that your changes to the assets in the revision are complete. After it's in this read-only state, you can publish the revision to your products.

> **Type**: boolean
> **Required**: False

ValidationException

The request was invalid.

Message

The message that informs you about what was invalid about the request.

Type: string
Required: True

ExceptionCause

The message that informs you about what the exception was.

Type: string
Required: False
Values: `InsufficientS3BucketPolicy | S3AccessDenied`

See also

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

GetRevision

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteRevision

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateRevision

- AWS Command Line Interface
- AWS SDK for .NET

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

Revisions

A revision is a container for one or more assets. As new data is available, you create revisions and add assets. This section defines the `ListDataSetRevisions` and `CreateRevision` operations.

URI

`/v1/data-sets/`*`DataSetId`*`/revisions`

HTTP methods

GET

Operation ID: `ListDataSetRevisions`

This operation lists a data set's revisions sorted by `CreatedAt` in descending order.

Path parameters

Name	Type	Required	Description
DataSetId	String	True	The unique identifier for a data set.

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token value retrieved from a previous call to access the next page of results.
maxResults	String	False	The maximum number of results returned by a single call.

Responses

Status code	Response model	Description
200	[ListOfRevisions (p. 81)](#)	200 response

Status code	Response model	Description
400	ValidationException (p. 81)	400 response
404	ResourceNotFoundException (p. 81)	404 response
429	ThrottlingException (p. 82)	429 response
500	InternalServerException (p. 81)	500 response

POST

Operation ID: `CreateRevision`

This operation creates a revision for a data set.

Path parameters

Name	Type	Required	Description
DataSetId	String	True	The unique identifier for a data set.

Responses

Status code	Response model	Description
201	TaggedRevision (p. 81)	201 response
400	ValidationException (p. 81)	400 response
403	AccessDeniedException (p. 81)	403 response
404	ResourceNotFoundException (p. 81)	404 response
429	ThrottlingException (p. 82)	429 response
500	InternalServerException (p. 81)	500 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Request bodies

POST schema

```
{
```

```
    "Comment": "string",
    "Tags": {
    }
}
```

Response bodies

ListOfRevisions schema

```
{
  "NextToken": "string",
  "Revisions": [
    {
      "Comment": "string",
      "Revoked": boolean,
      "SourceId": "string",
      "CreatedAt": "string",
      "DataSetId": "string",
      "RevocationComment": "string",
      "Id": "string",
      "Arn": "string",
      "UpdatedAt": "string",
      "Finalized": boolean
    }
  ]
}
```

TaggedRevision schema

```
{
  "Comment": "string",
  "Revoked": boolean,
  "SourceId": "string",
  "CreatedAt": "string",
  "DataSetId": "string",
  "RevocationComment": "string",
  "Id": "string",
  "Arn": "string",
  "UpdatedAt": "string",
  "Finalized": boolean,
  "Tags": {
  }
}
```

ValidationException schema

```
{
  "Message": "string",
  "ExceptionCause": enum
}
```

AccessDeniedException schema

```
{
  "Message": "string"
}
```

ResourceNotFoundException schema

```
{
  "Message": "string",
  "ResourceId": "string",
  "ResourceType": enum
}
```

ThrottlingException schema

```
{
  "Message": "string"
}
```

InternalServerException schema

```
{
  "Message": "string"
}
```

Properties

AccessDeniedException

Access to the resource is denied.

Message

Access to the resource is denied.

   Type: string
   Required: True

CreateRevisionRequest

Creates a revision for a data set. When they're created, revisions are not published to products, and therefore are not available to subscribers. To publish a revision to a data set in a product, the revision must first be finalized.

Comment

An optional comment about the revision.

   Type: string
   Required: False
   MinLength: 0
   MaxLength: 16384

Tags

A revision tag is an optional label that you can assign to a revision when you create it. Each tag consists of a key and an optional value, both of which you define. When you use tagging, you can also use tag-based access control in IAM policies to control access to these data sets and revisions.

Type: object
Required: False

InternalServerException

An exception occurred with the service.

Message

The message identifying the service exception that occurred.

Type: string
Required: True

ListOfRevisions

The revision objects listed by the request.

NextToken

The token value retrieved from a previous call to access the next page of results.

Type: string
Required: False

Revisions

The asset objects listed by the request.

Type: Array of type RevisionEntry (p. 84)
Required: True

ResourceNotFoundException

The resource couldn't be found.

Message

The resource couldn't be found.

Type: string
Required: True

ResourceId

The unique identifier for the resource that couldn't be found.

Type: string
Required: False

ResourceType

The type of resource that couldn't be found.

Type: string
Required: False
Values: `DATA_SET | REVISION | ASSET | JOB | EVENT_ACTION`

RevisionEntry

A revision is a container for one or more assets.

Comment

An optional comment about the revision.

Type: string
Required: False
MinLength: 0
MaxLength: 16384

Revoked

Type: boolean
Required: False

SourceId

The revision ID of the owned revision corresponding to the entitled revision being viewed. This parameter is returned when a revision owner is viewing the entitled copy of its owned revision.

Type: string
Required: False

CreatedAt

The date and time that the revision was created, in ISO 8601 format.

Type: string
Required: True

DataSetId

The unique identifier for the data set associated with this revision.

Type: string
Required: True

RevocationComment

Type: string
Required: False
MinLength: 10
MaxLength: 512

Id

The unique identifier for the revision.

> **Type**: string
> **Required**: True

Arn

The ARN for the revision.

> **Type**: string
> **Required**: True

UpdatedAt

The date and time that the revision was last updated, in ISO 8601 format.

> **Type**: string
> **Required**: True

Finalized

To publish a revision to a data set in a product, the revision must first be finalized. Finalizing a revision tells AWS Data Exchange that your changes to the assets in the revision are complete. After it's in this read-only state, you can publish the revision to your products.

Finalized revisions can be published through the AWS Data Exchange console or the AWS Marketplace Catalog API, using the StartChangeSet AWS Marketplace Catalog API action. When using the API, revisions are uniquely identified by their ARN.

> **Type**: boolean
> **Required**: False

TaggedRevision

A revision tag is an optional label that you can assign to a revision when you create it. Each tag consists of a key and an optional value, both of which you define. When you use tagging, you can also use tag-based access control in IAM policies to control access to these data sets and revisions.

Comment

An optional comment about the revision.

> **Type**: string
> **Required**: False
> **MinLength**: 0
> **MaxLength**: 16384

Revoked

> **Type**: boolean
> **Required**: False

SourceId

The revision ID of the owned revision corresponding to the entitled revision being viewed. This parameter is returned when a revision owner is viewing the entitled copy of its owned revision.

Type: string
Required: False

CreatedAt

The date and time that the revision was created, in ISO 8601 format.

Type: string
Required: True

DataSetId

The unique identifier for the data set associated with this revision.

Type: string
Required: True

RevocationComment

Type: string
Required: False
MinLength: 10
MaxLength: 512

Id

The unique identifier for the revision.

Type: string
Required: True

Arn

The ARN for the revision

Type: string
Required: True

UpdatedAt

The date and time that the revision was last updated, in ISO 8601 format.

Type: string
Required: True

Finalized

To publish a revision to a data set in a product, the revision must first be finalized. Finalizing a revision tells AWS Data Exchange that your changes to the assets in the revision are complete. After it's in this read-only state, you can publish the revision to your products.

Finalized revisions can be published through the AWS Data Exchange console or the AWS Marketplace Catalog API, using the StartChangeSet AWS Marketplace Catalog API action. When using the API, revisions are uniquely identified by their ARN.

Type: boolean
Required: False

Tags

The tags for the revision.

Type: object
Required: False

ThrottlingException

The limit on the number of requests per second was exceeded.

Message

The limit on the number of requests per second was exceeded.

Type: string
Required: True

ValidationException

The request was invalid.

Message

The message that informs you about what was invalid about the request.

Type: string
Required: True

ExceptionCause

The message that informs you about what the exception was.

Type: string
Required: False
Values: `InsufficientS3BucketPolicy | S3AccessDenied`

See also

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

ListDataSetRevisions

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2

- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateRevision

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Tags

You can add tags to your owned data sets and their revisions. When you use tagging, you can also use tag-based access control in IAM policies to control access to these data sets and revisions. This section defines the `ListTagsForResource`, `TagResource`, and `UntagResource` operations.

URI

`/tags/`*`resource-arn`*

HTTP methods

GET

Operation ID: `ListTagsForResource`

This operation lists the tags on the resource.

Path parameters

Name	Type	Required	Description
resource-arn	String	True	An Amazon Resource Name (ARN) that uniquely identifies an AWS resource.

Responses

Status code	Response model	Description
200	tagsModel (p. 90)	200 response

POST

Operation ID: `TagResource`

This operation tags a resource.

Path parameters

Name	Type	Required	Description
resource-arn	String	True	An Amazon Resource Name (ARN) that uniquely identifies an AWS resource.

Responses

Status code	Response model	Description
204	None	204 response

DELETE

Operation ID: `UntagResource`

This operation removes one or more tags from a resource.

Path parameters

Name	Type	Required	Description
resource-arn	String	True	An Amazon Resource Name (ARN) that uniquely identifies an AWS resource.

Query parameters

Name	Type	Required	Description
tagKeys	String	True	The key tags.

Responses

Status code	Response model	Description
204	None	204 response

Schemas

Request bodies

POST schema

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

Response bodies

tagsModel schema

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

Properties

tagsModel

You can assign metadata to your AWS Data Exchange resources in the form of tags. Each tag is a label that consists of a customer-defined key and an optional value that can make it easier to manage, search for, and filter resources.

tags

A label that consists of a customer-defined key and an optional value.

> **Type**: object
> **Required**: True

See also

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

ListTagsForResource

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UntagResource

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Document history

The following table describes the documentation for this release of the *AWS Data Exchange API Reference*. For notification about updates to this documentation, you can **subscribe** to the RSS feed.

update-history-change	update-history-description	update-history-date
EventAction API operation and EventActions API operation (p. 92)	Subscribers can now use the EventAction API operation and EventActions API operation to configure jobs to automatically export revisions to an Amazon S3 bucket.	September 30, 2021
AWS Data Exchange is now generally available (p. 92)	AWS Data Exchange is a service that makes it easy for AWS customers to create, update, maintain, and securely exchange file-based data sets in the AWS Cloud.	November 13, 2019