
AWS Data Exchange

API Reference



AWS Data Exchange: API Reference

Copyright © 2022 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

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

Table of Contents

Welcome	1
Data sets and products	1
API access control	1
Endpoints and AWS Regions	2
Service quotas	2
Actions	3
CancelJob	4
Request Syntax	4
URI Request Parameters	4
Request Body	4
Response Syntax	4
Response Elements	4
Errors	4
See Also	5
CreateDataSet	6
Request Syntax	6
URI Request Parameters	6
Request Body	6
Response Syntax	7
Response Elements	7
Errors	8
See Also	9
CreateEventAction	10
Request Syntax	10
URI Request Parameters	10
Request Body	10
Response Syntax	10
Response Elements	11
Errors	12
See Also	12
CreateJob	13
Request Syntax	13
URI Request Parameters	14
Request Body	14
Response Syntax	14
Response Elements	16
Errors	17
See Also	18
CreateRevision	19
Request Syntax	19
URI Request Parameters	19
Request Body	19
Response Syntax	19
Response Elements	20
Errors	21
See Also	22
DeleteAsset	23
Request Syntax	23
URI Request Parameters	23
Request Body	23
Response Syntax	23
Response Elements	23
Errors	23
See Also	24

DeleteDataSet	25
Request Syntax	25
URI Request Parameters	25
Request Body	25
Response Syntax	25
Response Elements	25
Errors	25
See Also	26
DeleteEventAction	27
Request Syntax	27
URI Request Parameters	27
Request Body	27
Response Syntax	27
Response Elements	27
Errors	27
See Also	28
DeleteRevision	29
Request Syntax	29
URI Request Parameters	29
Request Body	29
Response Syntax	29
Response Elements	29
Errors	29
See Also	30
GetAsset	31
Request Syntax	31
URI Request Parameters	31
Request Body	31
Response Syntax	31
Response Elements	32
Errors	33
See Also	33
GetDataSet	35
Request Syntax	35
URI Request Parameters	35
Request Body	35
Response Syntax	35
Response Elements	35
Errors	37
See Also	37
GetEventAction	38
Request Syntax	38
URI Request Parameters	38
Request Body	38
Response Syntax	38
Response Elements	38
Errors	39
See Also	40
GetJob	41
Request Syntax	41
URI Request Parameters	41
Request Body	41
Response Syntax	41
Response Elements	43
Errors	44
See Also	44
GetRevision	45

Request Syntax	45
URI Request Parameters	45
Request Body	45
Response Syntax	45
Response Elements	45
Errors	47
See Also	47
ListDataSetRevisions	48
Request Syntax	48
URI Request Parameters	48
Request Body	48
Response Syntax	48
Response Elements	49
Errors	49
See Also	49
ListDataSets	51
Request Syntax	51
URI Request Parameters	51
Request Body	51
Response Syntax	51
Response Elements	52
Errors	52
See Also	52
ListEventActions	54
Request Syntax	54
URI Request Parameters	54
Request Body	54
Response Syntax	54
Response Elements	55
Errors	55
See Also	55
ListJobs	57
Request Syntax	57
URI Request Parameters	57
Request Body	57
Response Syntax	57
Response Elements	59
Errors	59
See Also	60
ListRevisionAssets	61
Request Syntax	61
URI Request Parameters	61
Request Body	61
Response Syntax	61
Response Elements	62
Errors	62
See Also	63
ListTagsForResource	64
Request Syntax	64
URI Request Parameters	64
Request Body	64
Response Syntax	64
Response Elements	64
Errors	64
See Also	64
RevokeRevision	66
Request Syntax	66

URI Request Parameters	66
Request Body	66
Response Syntax	66
Response Elements	67
Errors	68
See Also	68
SendApiAsset	70
Request Syntax	70
URI Request Parameters	70
Request Body	70
Response Syntax	71
Response Elements	71
Errors	71
See Also	72
StartJob	73
Request Syntax	73
URI Request Parameters	73
Request Body	73
Response Syntax	73
Response Elements	73
Errors	73
See Also	74
TagResource	75
Request Syntax	75
URI Request Parameters	75
Request Body	75
Response Syntax	75
Response Elements	75
Errors	75
See Also	75
UntagResource	77
Request Syntax	77
URI Request Parameters	77
Request Body	77
Response Syntax	77
Response Elements	77
Errors	77
See Also	77
UpdateAsset	79
Request Syntax	79
URI Request Parameters	79
Request Body	79
Response Syntax	79
Response Elements	80
Errors	81
See Also	82
UpdateDataSet	83
Request Syntax	83
URI Request Parameters	83
Request Body	83
Response Syntax	83
Response Elements	84
Errors	85
See Also	85
UpdateEventAction	87
Request Syntax	87
URI Request Parameters	87

Request Body	87
Response Syntax	87
Response Elements	88
Errors	88
See Also	89
UpdateRevision	90
Request Syntax	90
URI Request Parameters	90
Request Body	90
Response Syntax	90
Response Elements	91
Errors	92
See Also	93
Data Types	94
Action	96
Contents	96
See Also	96
ApiGatewayApiAsset	97
Contents	97
See Also	98
AssetDestinationEntry	99
Contents	99
See Also	99
AssetDetails	100
Contents	100
See Also	100
AssetEntry	101
Contents	101
See Also	102
AssetSourceEntry	103
Contents	103
See Also	103
AutoExportRevisionDestinationEntry	104
Contents	104
See Also	104
AutoExportRevisionToS3RequestDetails	105
Contents	105
See Also	105
DataSetEntry	106
Contents	106
See Also	107
Details	108
Contents	108
See Also	108
Event	109
Contents	109
See Also	109
EventActionEntry	110
Contents	110
See Also	110
ExportAssetsToS3RequestDetails	112
Contents	112
See Also	112
ExportAssetsToS3ResponseDetails	113
Contents	113
See Also	113
ExportAssetToSignedUrlRequestDetails	114

Contents	114
See Also	114
ExportAssetToSignedUrlResponseDetails	115
Contents	115
See Also	115
ExportRevisionsToS3RequestDetails	116
Contents	116
See Also	116
ExportRevisionsToS3ResponseDetails	117
Contents	117
See Also	117
ExportServerSideEncryption	118
Contents	118
See Also	118
ImportAssetFromApiGatewayApiRequestDetails	119
Contents	119
See Also	120
ImportAssetFromApiGatewayApiResponseDetails	121
Contents	121
See Also	122
ImportAssetFromSignedUrlJobErrorDetails	123
Contents	123
See Also	123
ImportAssetFromSignedUrlRequestDetails	124
Contents	124
See Also	124
ImportAssetFromSignedUrlResponseDetails	125
Contents	125
See Also	125
ImportAssetsFromRedshiftDataSharesRequestDetails	127
Contents	127
See Also	127
ImportAssetsFromRedshiftDataSharesResponseDetails	128
Contents	128
See Also	128
ImportAssetsFromS3RequestDetails	129
Contents	129
See Also	129
ImportAssetsFromS3ResponseDetails	130
Contents	130
See Also	130
JobEntry	131
Contents	131
See Also	132
JobError	133
Contents	133
See Also	134
OriginDetails	135
Contents	135
See Also	135
RedshiftDataShareAsset	136
Contents	136
See Also	136
RedshiftDataShareAssetSourceEntry	137
Contents	137
See Also	137
RequestDetails	138

Contents	138
See Also	139
ResponseDetails	140
Contents	140
See Also	141
RevisionDestinationEntry	142
Contents	142
See Also	142
RevisionEntry	143
Contents	143
See Also	144
RevisionPublished	145
Contents	145
See Also	145
S3SnapshotAsset	146
Contents	146
See Also	146
Common Parameters	147
Common Errors	149
Document history	151

Welcome

Welcome to the *AWS Data Exchange API Reference*. AWS Data Exchange is a service that helps AWS customers to exchange data in the AWS 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 (export) 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. You can download (export) or copy your assets or revisions to Amazon S3 or a signed URL. In addition, providers can import assets from an Amazon API Gateway API or import assets from an Amazon Redshift datashare.

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. The asset can be one of the following:

- A structured data file, an image file, or some other data file that is stored as an Amazon S3 object.
- An Amazon Redshift datashare. Datashares are created in Amazon Redshift based on an existing database within a cluster that contain schemas, tables, views, or user-defined functions.
- A REST API that you created in Amazon API Gateway.

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](#).

Note

Currently, the `SendApiAsset` operation is not supported for AWS SDKs for Java.

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*.

Actions

The following actions are supported:

- [CancelJob](#) (p. 4)
- [CreateDataSet](#) (p. 6)
- [CreateEventAction](#) (p. 10)
- [CreateJob](#) (p. 13)
- [CreateRevision](#) (p. 19)
- [DeleteAsset](#) (p. 23)
- [DeleteDataSet](#) (p. 25)
- [DeleteEventAction](#) (p. 27)
- [DeleteRevision](#) (p. 29)
- [GetAsset](#) (p. 31)
- [GetDataSet](#) (p. 35)
- [GetEventAction](#) (p. 38)
- [GetJob](#) (p. 41)
- [GetRevision](#) (p. 45)
- [ListDataSetRevisions](#) (p. 48)
- [ListDataSets](#) (p. 51)
- [ListEventActions](#) (p. 54)
- [ListJobs](#) (p. 57)
- [ListRevisionAssets](#) (p. 61)
- [ListTagsForResource](#) (p. 64)
- [RevokeRevision](#) (p. 66)
- [SendApiAsset](#) (p. 70)
- [StartJob](#) (p. 73)
- [TagResource](#) (p. 75)
- [UntagResource](#) (p. 77)
- [UpdateAsset](#) (p. 79)
- [UpdateDataSet](#) (p. 83)
- [UpdateEventAction](#) (p. 87)
- [UpdateRevision](#) (p. 90)

CancelJob

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

Request Syntax

```
DELETE /v1/jobs/JobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

JobId (p. 4)

The unique identifier for a job.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

ConflictException

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

HTTP Status Code: 409

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

CreateDataSet

This operation creates a data set.

Request Syntax

```
POST /v1/data-sets HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AssetType (p. 6)

The type of asset that is added to a data set.

Type: String

Valid Values: S3_SNAPSHOT | REDSHIFT_DATA_SHARE | API_GATEWAY_API

Required: Yes

Description (p. 6)

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

Type: String

Required: Yes

Name (p. 6)

The name of the data set.

Type: String

Required: Yes

Tags (p. 6)

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: String to string map

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

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

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

Arn (p. 7)

The ARN for the data set.

Type: String

AssetType (p. 7)

The type of asset that is added to a data set.

Type: String

Valid Values: S3_SNAPSHOT | REDSHIFT_DATA_SHARE | API_GATEWAY_API

CreatedAt (p. 7)

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

Type: Timestamp

Description (p. 7)

The description for the data set.

Type: String

Id (p. 7)

The unique identifier for the data set.

Type: String

Name (p. 7)

The name of the data set.

Type: String

Origin (p. 7)

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

Type: String

Valid Values: OWNED | ENTITLED

OriginDetails (p. 7)

If the origin of this data set is ENTITLED, includes the details for the product on AWS Marketplace.

Type: [OriginDetails \(p. 135\)](#) object

SourceId (p. 7)

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

Tags (p. 7)

The tags for the data set.

Type: String to string map

UpdatedAt (p. 7)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

InternalServerError

An exception occurred with the service.

HTTP Status Code: 500

ServiceLimitExceededException

The request has exceeded the quotas imposed by the service.

HTTP Status Code: 402

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

CreateEventAction

This operation creates an event action.

Request Syntax

```
POST /v1/event-actions HTTP/1.1
Content-type: application/json

{
  "Action": {
    "ExportRevisionToS3": {
      "Encryption": {
        "KmsKeyArn": "string",
        "Type": "string"
      },
      "RevisionDestination": {
        "Bucket": "string",
        "KeyPattern": "string"
      }
    }
  },
  "Event": {
    "RevisionPublished": {
      "DataSetId": "string"
    }
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Action (p. 10)

What occurs after a certain event.

Type: [Action \(p. 96\)](#) object

Required: Yes

Event (p. 10)

What occurs to start an action.

Type: [Event \(p. 109\)](#) object

Required: Yes

Response Syntax

```
HTTP/1.1 201
```

Content-type: application/json

```
{
  "Action": {
    "ExportRevisionToS3": {
      "Encryption": {
        "KmsKeyArn": "string",
        "Type": "string"
      },
      "RevisionDestination": {
        "Bucket": "string",
        "KeyPattern": "string"
      }
    }
  },
  "Arn": "string",
  "CreatedAt": number,
  "Event": {
    "RevisionPublished": {
      "DataSetId": "string"
    }
  },
  "Id": "string",
  "UpdatedAt": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

Action (p. 10)

What occurs after a certain event.

Type: [Action \(p. 96\)](#) object

Arn (p. 10)

The ARN for the event action.

Type: String

CreatedAt (p. 10)

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

Type: Timestamp

Event (p. 10)

What occurs to start an action.

Type: [Event \(p. 109\)](#) object

Id (p. 10)

The unique identifier for the event action.

Type: String

UpdatedAt (p. 10)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ServiceLimitExceededException

The request has exceeded the quotas imposed by the service.

HTTP Status Code: 402

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

CreateJob

This operation creates a job.

Request Syntax

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

{
  "Details": {
    "ExportAssetsToS3": {
      "AssetDestinations": [
        {
          "AssetId": "string",
          "Bucket": "string",
          "Key": "string"
        }
      ],
      "DataSetId": "string",
      "Encryption": {
        "KmsKeyArn": "string",
        "Type": "string"
      },
      "RevisionId": "string"
    },
    "ExportAssetToSignedUrl": {
      "AssetId": "string",
      "DataSetId": "string",
      "RevisionId": "string"
    },
    "ExportRevisionsToS3": {
      "DataSetId": "string",
      "Encryption": {
        "KmsKeyArn": "string",
        "Type": "string"
      },
      "RevisionDestinations": [
        {
          "Bucket": "string",
          "KeyPattern": "string",
          "RevisionId": "string"
        }
      ]
    },
    "ImportAssetFromApiGatewayApi": {
      "ApiDescription": "string",
      "ApiId": "string",
      "ApiKey": "string",
      "ApiName": "string",
      "ApiSpecificationMd5Hash": "string",
      "DataSetId": "string",
      "ProtocolType": "string",
      "RevisionId": "string",
      "Stage": "string"
    },
    "ImportAssetFromSignedUrl": {
      "AssetName": "string",
      "DataSetId": "string",
      "Md5Hash": "string",
      "RevisionId": "string"
    },
    "ImportAssetsFromRedshiftDataShares": {
```

```
    "AssetSources": [
      {
        "DataShareArn": "string"
      }
    ],
    "DataSetId": "string",
    "RevisionId": "string"
  },
  "ImportAssetsFromS3": {
    "AssetSources": [
      {
        "Bucket": "string",
        "Key": "string"
      }
    ],
    "DataSetId": "string",
    "RevisionId": "string"
  }
},
"Type": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Details (p. 13)

The details for the CreateJob request.

Type: [RequestDetails \(p. 138\)](#) object

Required: Yes

Type (p. 13)

The type of job to be created.

Type: String

Valid Values: IMPORT_ASSETS_FROM_S3 | IMPORT_ASSET_FROM_SIGNED_URL |
EXPORT_ASSETS_TO_S3 | EXPORT_ASSET_TO_SIGNED_URL | EXPORT_REVISIONS_TO_S3 |
IMPORT_ASSETS_FROM_REDSHIFT_DATA_SHARES | IMPORT_ASSET_FROM_API_GATEWAY_API

Required: Yes

Response Syntax

HTTP/1.1 201
Content-type: application/json

```
{
  "Arn": "string",
  "CreatedAt": number,
  "Details": {
    "ExportAssetsToS3": {
```

```

    "AssetDestinations": [
      {
        "AssetId": "string",
        "Bucket": "string",
        "Key": "string"
      }
    ],
    "DataSetId": "string",
    "Encryption": {
      "KmsKeyArn": "string",
      "Type": "string"
    },
    "RevisionId": "string"
  },
  "ExportAssetToSignedUrl": {
    "AssetId": "string",
    "DataSetId": "string",
    "RevisionId": "string",
    "SignedUrl": "string",
    "SignedUrlExpiresAt": number
  },
  "ExportRevisionsToS3": {
    "DataSetId": "string",
    "Encryption": {
      "KmsKeyArn": "string",
      "Type": "string"
    },
    "EventActionArn": "string",
    "RevisionDestinations": [
      {
        "Bucket": "string",
        "KeyPattern": "string",
        "RevisionId": "string"
      }
    ]
  },
  "ImportAssetFromApiGatewayApi": {
    "ApiDescription": "string",
    "ApiId": "string",
    "ApiKey": "string",
    "ApiName": "string",
    "ApiSpecificationMd5Hash": "string",
    "ApiSpecificationUploadUrl": "string",
    "ApiSpecificationUploadUrlExpiresAt": number,
    "DataSetId": "string",
    "ProtocolType": "string",
    "RevisionId": "string",
    "Stage": "string"
  },
  "ImportAssetFromSignedUrl": {
    "AssetName": "string",
    "DataSetId": "string",
    "Md5Hash": "string",
    "RevisionId": "string",
    "SignedUrl": "string",
    "SignedUrlExpiresAt": number
  },
  "ImportAssetsFromRedshiftDataShares": {
    "AssetSources": [
      {
        "DataShareArn": "string"
      }
    ],
    "DataSetId": "string",
    "RevisionId": "string"
  },

```



```

    "ImportAssetsFromS3": {
      "AssetSources": [
        {
          "Bucket": "string",
          "Key": "string"
        }
      ],
      "DataSetId": "string",
      "RevisionId": "string"
    }
  },
  "Errors": [
    {
      "Code": "string",
      "Details": {
        "ImportAssetFromSignedUrlJobErrorDetails": {
          "AssetName": "string"
        },
        "ImportAssetsFromS3JobErrorDetails": [
          {
            "Bucket": "string",
            "Key": "string"
          }
        ]
      },
      "LimitName": "string",
      "LimitValue": number,
      "Message": "string",
      "ResourceId": "string",
      "ResourceType": "string"
    }
  ],
  "Id": "string",
  "State": "string",
  "Type": "string",
  "UpdatedAt": number
}

```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

Arn (p. 14)

The ARN for the job.

Type: String

CreatedAt (p. 14)

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

Type: Timestamp

Details (p. 14)

Details about the job.

Type: [ResponseDetails](#) (p. 140) object

Errors (p. 14)

The errors associated with jobs.

Type: Array of [JobError \(p. 133\)](#) objects

Id (p. 14)

The unique identifier for the job.

Type: String

State (p. 14)

The state of the job.

Type: String

Valid Values: WAITING | IN_PROGRESS | ERROR | COMPLETED | CANCELLED | TIMED_OUT

Type (p. 14)

The job type.

Type: String

Valid Values: IMPORT_ASSETS_FROM_S3 | IMPORT_ASSET_FROM_SIGNED_URL |
EXPORT_ASSETS_TO_S3 | EXPORT_ASSET_TO_SIGNED_URL | EXPORT_REVISIONS_TO_S3 |
IMPORT_ASSETS_FROM_REDSHIFT_DATA_SHARES | IMPORT_ASSET_FROM_API_GATEWAY_API

UpdatedAt (p. 14)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

ConflictException

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

HTTP Status Code: 409

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

CreateRevision

This operation creates a revision for a data set.

Request Syntax

```
POST /v1/data-sets/DataSetId/revisions HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

DataSetId (p. 19)

The unique identifier for a data set.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Comment (p. 19)

An optional comment about the revision.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

Tags (p. 19)

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: String to string map

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json
```

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

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

Arn (p. 19)

The ARN for the revision.

Type: String

Comment (p. 19)

An optional comment about the revision.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

CreatedAt (p. 19)

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

Type: Timestamp

DataSetId (p. 19)

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

Type: String

Finalized (p. 19)

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

Id (p. 19)

The unique identifier for the revision.

Type: String

RevocationComment (p. 19)

A required comment to inform subscribers of the reason their access to the revision was revoked.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 512.

Revoked (p. 19)

A status indicating that subscribers' access to the revision was revoked.

Type: Boolean

RevokedAt (p. 19)

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

Type: Timestamp

SourceId (p. 19)

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

Tags (p. 19)

The tags for the revision.

Type: String to string map

UpdatedAt (p. 19)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

DeleteAsset

This operation deletes an asset.

Request Syntax

```
DELETE /v1/data-sets/DataSetId/revisions/RevisionId/assets/AssetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AssetId (p. 23)

The unique identifier for an asset.

Required: Yes

DataSetId (p. 23)

The unique identifier for a data set.

Required: Yes

RevisionId (p. 23)

The unique identifier for a revision.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

ConflictException

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

HTTP Status Code: 409

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

DeleteDataSet

This operation deletes a data set.

Request Syntax

```
DELETE /v1/data-sets/DataSetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DataSetId (p. 25)

The unique identifier for a data set.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

ConflictException

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

HTTP Status Code: 409

InternalServerError

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

DeleteEventAction

This operation deletes the event action.

Request Syntax

```
DELETE /v1/event-actions/EventActionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EventActionId (p. 27)

The unique identifier for the event action.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

DeleteRevision

This operation deletes a revision.

Request Syntax

```
DELETE /v1/data-sets/DataSetId/revisions/RevisionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DataSetId (p. 29)

The unique identifier for a data set.

Required: Yes

RevisionId (p. 29)

The unique identifier for a revision.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

ConflictException

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

HTTP Status Code: 409

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

GetAsset

This operation returns information about an asset.

Request Syntax

```
GET /v1/data-sets/DataSetId/revisions/RevisionId/assets/AssetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AssetId (p. 31)

The unique identifier for an asset.

Required: Yes

DataSetId (p. 31)

The unique identifier for a data set.

Required: Yes

RevisionId (p. 31)

The unique identifier for a revision.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "Arn": "string",
  "AssetDetails": {
    "ApiGatewayApiAsset": {
      "ApiDescription": "string",
      "ApiEndpoint": "string",
      "ApiId": "string",
      "ApiKey": "string",
      "ApiName": "string",
      "ApiSpecificationDownloadUrl": "string",
      "ApiSpecificationDownloadUrlExpiresAt": number,
      "ProtocolType": "string",
      "Stage": "string"
    },
    "RedshiftDataShareAsset": {
      "Arn": "string"
    },
    "S3SnapshotAsset": {
```



```
        "Size": number
      },
    },
    "AssetType": "string",
    "CreatedAt": number,
    "DataSetId": "string",
    "Id": "string",
    "Name": "string",
    "RevisionId": "string",
    "SourceId": "string",
    "UpdatedAt": number
  }
}
```

Response Elements

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

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

Arn (p. 31)

The ARN for the asset.

Type: String

AssetDetails (p. 31)

Information about the asset.

Type: [AssetDetails \(p. 100\)](#) object

AssetType (p. 31)

The type of asset that is added to a data set.

Type: String

Valid Values: S3_SNAPSHOT | REDSHIFT_DATA_SHARE | API_GATEWAY_API

CreatedAt (p. 31)

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

Type: Timestamp

DataSetId (p. 31)

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

Type: String

Id (p. 31)

The unique identifier for the asset.

Type: String

Name (p. 31)

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. When importing from Amazon API Gateway API, the API name is used as the asset name. When importing from Amazon Redshift, the datashare name is used as the asset name.

Type: String

RevisionId (p. 31)

The unique identifier for the revision associated with this asset.

Type: String

SourceId (p. 31)

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

UpdatedAt (p. 31)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

- [AWS SDK for Ruby V3](#)

GetDataSet

This operation returns information about a data set.

Request Syntax

```
GET /v1/data-sets/DataSetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[DataSetId \(p. 35\)](#)

The unique identifier for a data set.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

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

Response Elements

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

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

[Arn \(p. 35\)](#)

The ARN for the data set.

Type: String

AssetType (p. 35)

The type of asset that is added to a data set.

Type: String

Valid Values: S3_SNAPSHOT | REDSHIFT_DATA_SHARE | API_GATEWAY_API

CreatedAt (p. 35)

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

Type: Timestamp

Description (p. 35)

The description for the data set.

Type: String

Id (p. 35)

The unique identifier for the data set.

Type: String

Name (p. 35)

The name of the data set.

Type: String

Origin (p. 35)

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

Type: String

Valid Values: OWNED | ENTITLED

OriginDetails (p. 35)

If the origin of this data set is ENTITLED, includes the details for the product on AWS Marketplace.

Type: [OriginDetails \(p. 135\)](#) object

SourceId (p. 35)

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

Tags (p. 35)

The tags for the data set.

Type: String to string map

UpdatedAt (p. 35)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

GetEventAction

This operation retrieves information about an event action.

Request Syntax

```
GET /v1/event-actions/EventActionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EventActionId (p. 38)

The unique identifier for the event action.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "Action": {
    "ExportRevisionToS3": {
      "Encryption": {
        "KmsKeyArn": "string",
        "Type": "string"
      },
      "RevisionDestination": {
        "Bucket": "string",
        "KeyPattern": "string"
      }
    },
    "Arn": "string",
    "CreatedAt": number,
    "Event": {
      "RevisionPublished": {
        "DataSetId": "string"
      }
    },
    "Id": "string",
    "UpdatedAt": number
  }
}
```

Response Elements

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

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

Action (p. 38)

What occurs after a certain event.

Type: [Action \(p. 96\)](#) object

Arn (p. 38)

The ARN for the event action.

Type: String

CreatedAt (p. 38)

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

Type: Timestamp

Event (p. 38)

What occurs to start an action.

Type: [Event \(p. 109\)](#) object

Id (p. 38)

The unique identifier for the event action.

Type: String

UpdatedAt (p. 38)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

GetJob

This operation returns information about a job.

Request Syntax

```
GET /v1/jobs/JobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

JobId (p. 41)

The unique identifier for a job.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "Arn": "string",
  "CreatedAt": number,
  "Details": {
    "ExportAssetsToS3": {
      "AssetDestinations": [
        {
          "AssetId": "string",
          "Bucket": "string",
          "Key": "string"
        }
      ],
      "DataSetId": "string",
      "Encryption": {
        "KmsKeyArn": "string",
        "Type": "string"
      },
      "RevisionId": "string"
    },
    "ExportAssetToSignedUrl": {
      "AssetId": "string",
      "DataSetId": "string",
      "RevisionId": "string",
      "SignedUrl": "string",
      "SignedUrlExpiresAt": number
    },
    "ExportRevisionsToS3": {
      "DataSetId": "string",
      "Encryption": {
        "KmsKeyArn": "string",
```

```

        "Type": "string"
    },
    "EventActionArn": "string",
    "RevisionDestinations": [
        {
            "Bucket": "string",
            "KeyPattern": "string",
            "RevisionId": "string"
        }
    ]
},
"ImportAssetFromApiGatewayApi": {
    "ApiDescription": "string",
    "ApiId": "string",
    "ApiKey": "string",
    "ApiName": "string",
    "ApiSpecificationMd5Hash": "string",
    "ApiSpecificationUploadUrl": "string",
    "ApiSpecificationUploadUrlExpiresAt": number,
    "DataSetId": "string",
    "ProtocolType": "string",
    "RevisionId": "string",
    "Stage": "string"
},
"ImportAssetFromSignedUrl": {
    "AssetName": "string",
    "DataSetId": "string",
    "Md5Hash": "string",
    "RevisionId": "string",
    "SignedUrl": "string",
    "SignedUrlExpiresAt": number
},
"ImportAssetsFromRedshiftDataShares": {
    "AssetSources": [
        {
            "DataShareArn": "string"
        }
    ],
    "DataSetId": "string",
    "RevisionId": "string"
},
"ImportAssetsFromS3": {
    "AssetSources": [
        {
            "Bucket": "string",
            "Key": "string"
        }
    ],
    "DataSetId": "string",
    "RevisionId": "string"
}
},
"Errors": [
    {
        "Code": "string",
        "Details": {
            "ImportAssetFromSignedUrlJobErrorDetails": {
                "AssetName": "string"
            },
            "ImportAssetsFromS3JobErrorDetails": [
                {
                    "Bucket": "string",
                    "Key": "string"
                }
            ]
        }
    }
],
},

```

```
        "LimitName": "string",
        "LimitValue": number,
        "Message": "string",
        "ResourceId": "string",
        "ResourceType": "string"
    },
    "Id": "string",
    "State": "string",
    "Type": "string",
    "UpdatedAt": number
}
```

Response Elements

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

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

Arn (p. 41)

The ARN for the job.

Type: String

CreatedAt (p. 41)

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

Type: Timestamp

Details (p. 41)

Details about the job.

Type: [ResponseDetails \(p. 140\)](#) object

Errors (p. 41)

The errors associated with jobs.

Type: Array of [JobError \(p. 133\)](#) objects

Id (p. 41)

The unique identifier for the job.

Type: String

State (p. 41)

The state of the job.

Type: String

Valid Values: WAITING | IN_PROGRESS | ERROR | COMPLETED | CANCELLED | TIMED_OUT

Type (p. 41)

The job type.

Type: String

Valid Values: IMPORT_ASSETS_FROM_S3 | IMPORT_ASSET_FROM_SIGNED_URL | EXPORT_ASSETS_TO_S3 | EXPORT_ASSET_TO_SIGNED_URL | EXPORT_REVISIONS_TO_S3 | IMPORT_ASSETS_FROM_REDSHIFT_DATA_SHARES | IMPORT_ASSET_FROM_API_GATEWAY_API

UpdatedAt (p. 41)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

GetRevision

This operation returns information about a revision.

Request Syntax

```
GET /v1/data-sets/DataSetId/revisions/RevisionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DataSetId (p. 45)

The unique identifier for a data set.

Required: Yes

RevisionId (p. 45)

The unique identifier for a revision.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

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

Response Elements

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

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

Arn (p. 45)

The ARN for the revision.

Type: String

Comment (p. 45)

An optional comment about the revision.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

CreatedAt (p. 45)

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

Type: Timestamp

DataSetId (p. 45)

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

Type: String

Finalized (p. 45)

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

Id (p. 45)

The unique identifier for the revision.

Type: String

RevocationComment (p. 45)

A required comment to inform subscribers of the reason their access to the revision was revoked.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 512.

Revoked (p. 45)

A status indicating that subscribers' access to the revision was revoked.

Type: Boolean

RevokedAt (p. 45)

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

Type: Timestamp

SourceId (p. 45)

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

Tags (p. 45)

The tags for the revision.

Type: String to string map

UpdatedAt (p. 45)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

ListDataSetRevisions

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

Request Syntax

```
GET /v1/data-sets/DataSetId/revisions?maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DataSetId (p. 48)

The unique identifier for a data set.

Required: Yes

MaxResults (p. 48)

The maximum number of results returned by a single call.

Valid Range: Minimum value of 1. Maximum value of 25.

NextToken (p. 48)

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

Request Body

The request does not have a request body.

Response Syntax

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

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

Response Elements

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

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

NextToken (p. 48)

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

Type: String

Revisions (p. 48)

The asset objects listed by the request.

Type: Array of [RevisionEntry](#) (p. 143) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

- [AWS SDK for Ruby V3](#)

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.

Request Syntax

```
GET /v1/data-sets?maxResults=MaxResults&nextToken=NextToken&origin=Origin HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults (p. 51)

The maximum number of results returned by a single call.

Valid Range: Minimum value of 1. Maximum value of 25.

NextToken (p. 51)

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

Origin (p. 51)

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

Request Body

The request does not have a request body.

Response Syntax

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

{
  "DataSets": [
    {
      "Arn": "string",
      "AssetType": "string",
      "CreatedAt": number,
      "Description": "string",
      "Id": "string",
      "Name": "string",
      "Origin": "string",
      "OriginDetails": {
        "ProductId": "string"
      },
      "SourceId": "string",
      "UpdatedAt": number
    }
  ],
  "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 (p. 51)

The data set objects listed by the request.

Type: Array of [DataSetEntry \(p. 106\)](#) objects

NextToken (p. 51)

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

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)

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

ListEventActions

This operation lists your event actions.

Request Syntax

```
GET /v1/event-actions?eventSourceId=EventSourceId&maxResults=MaxResults&nextToken=NextToken
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EventSourceId (p. 54)

The unique identifier for the event source.

MaxResults (p. 54)

The maximum number of results returned by a single call.

Valid Range: Minimum value of 1. Maximum value of 25.

NextToken (p. 54)

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

Request Body

The request does not have a request body.

Response Syntax

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

{
  "EventActions": [
    {
      "Action": {
        "ExportRevisionToS3": {
          "Encryption": {
            "KmsKeyArn": "string",
            "Type": "string"
          },
          "RevisionDestination": {
            "Bucket": "string",
            "KeyPattern": "string"
          }
        }
      },
      "Arn": "string",
      "CreatedAt": number,
      "Event": {
        "RevisionPublished": {
          "DataSetId": "string"
        }
      }
    }
  ]
}
```

```
    },  
    "Id": "string",  
    "UpdatedAt": number  
  }  
],  
"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.

EventActions (p. 54)

The event action objects listed by the request.

Type: Array of [EventActionEntry \(p. 110\)](#) objects

NextToken (p. 54)

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

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

InternalServerError

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

ListJobs

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

Request Syntax

```
GET /v1/jobs?  
dataSetId=DataSetId&maxResults=MaxResults&nextToken=NextToken&revisionId=RevisionId  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DataSetId (p. 57)

The unique identifier for a data set.

MaxResults (p. 57)

The maximum number of results returned by a single call.

Valid Range: Minimum value of 1. Maximum value of 25.

NextToken (p. 57)

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

RevisionId (p. 57)

The unique identifier for a revision.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json  
  
{  
  "Jobs": [  
    {  
      "Arn": "string",  
      "CreatedAt": number,  
      "Details": {  
        "ExportAssetsToS3": {  
          "AssetDestinations": [  
            {  
              "AssetId": "string",  
              "Bucket": "string",  
              "Key": "string"  
            }  
          ],  
          "DataSetId": "string",  
          "Encryption": {  
            "KmsKeyArn": "string",
```

```

        "Type": "string"
    },
    "RevisionId": "string"
},
"ExportAssetToSignedUrl": {
    "AssetId": "string",
    "DataSetId": "string",
    "RevisionId": "string",
    "SignedUrl": "string",
    "SignedUrlExpiresAt": number
},
"ExportRevisionsToS3": {
    "DataSetId": "string",
    "Encryption": {
        "KmsKeyArn": "string",
        "Type": "string"
    },
    "EventActionArn": "string",
    "RevisionDestinations": [
        {
            "Bucket": "string",
            "KeyPattern": "string",
            "RevisionId": "string"
        }
    ]
},
"ImportAssetFromApiGatewayApi": {
    "ApiDescription": "string",
    "ApiId": "string",
    "ApiKey": "string",
    "ApiName": "string",
    "ApiSpecificationMd5Hash": "string",
    "ApiSpecificationUploadUrl": "string",
    "ApiSpecificationUploadUrlExpiresAt": number,
    "DataSetId": "string",
    "ProtocolType": "string",
    "RevisionId": "string",
    "Stage": "string"
},
"ImportAssetFromSignedUrl": {
    "AssetName": "string",
    "DataSetId": "string",
    "Md5Hash": "string",
    "RevisionId": "string",
    "SignedUrl": "string",
    "SignedUrlExpiresAt": number
},
"ImportAssetsFromRedshiftDataShares": {
    "AssetSources": [
        {
            "DataShareArn": "string"
        }
    ],
    "DataSetId": "string",
    "RevisionId": "string"
},
"ImportAssetsFromS3": {
    "AssetSources": [
        {
            "Bucket": "string",
            "Key": "string"
        }
    ],
    "DataSetId": "string",
    "RevisionId": "string"
}

```

```

    },
    "Errors": [
      {
        "Code": "string",
        "Details": {
          "ImportAssetFromSignedUrlJobErrorDetails": {
            "AssetName": "string"
          },
          "ImportAssetsFromS3JobErrorDetails": [
            {
              "Bucket": "string",
              "Key": "string"
            }
          ]
        },
        "LimitName": "string",
        "LimitValue": number,
        "Message": "string",
        "ResourceId": "string",
        "ResourceType": "string"
      }
    ],
    "Id": "string",
    "State": "string",
    "Type": "string",
    "UpdatedAt": number
  }
],
"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.

Jobs (p. 57)

The jobs listed by the request.

Type: Array of [JobEntry \(p. 131\)](#) objects

NextToken (p. 57)

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

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

InternalServerError

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

ListRevisionAssets

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

Request Syntax

```
GET /v1/data-sets/DataSetId/revisions/RevisionId/assets?  
maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DataSetId (p. 61)

The unique identifier for a data set.

Required: Yes

MaxResults (p. 61)

The maximum number of results returned by a single call.

Valid Range: Minimum value of 1. Maximum value of 25.

NextToken (p. 61)

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

RevisionId (p. 61)

The unique identifier for a revision.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json  
  
{  
  "Assets": [  
    {  
      "Arn": "string",  
      "AssetDetails": {  
        "ApiGatewayApiAsset": {  
          "ApiDescription": "string",  
          "ApiEndpoint": "string",  
          "ApiId": "string",  
          "ApiKey": "string",  
          "ApiName": "string",  
          "ApiSpecificationDownloadUrl": "string",  
          "ApiSpecificationDownloadUrlExpiresAt": number,  

```

```
        "ProtocolType": "string",
        "Stage": "string"
    },
    "RedshiftDataShareAsset": {
        "Arn": "string"
    },
    "S3SnapshotAsset": {
        "Size": number
    }
},
"AssetType": "string",
"CreatedAt": number,
"DataSetId": "string",
"Id": "string",
"Name": "string",
"RevisionId": "string",
"SourceId": "string",
"UpdatedAt": number
}
],
"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.

Assets (p. 61)

The asset objects listed by the request.

Type: Array of [AssetEntry \(p. 101\)](#) objects

NextToken (p. 61)

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

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

InternalServerError

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

ListTagsForResource

This operation lists the tags on the resource.

Request Syntax

```
GET /tags/ResourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn (p. 64)

An Amazon Resource Name (ARN) that uniquely identifies an AWS resource.

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 (p. 64)

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

Type: String to string map

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

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

RevokeRevision

This operation revokes subscribers' access to a revision.

Request Syntax

```
POST /v1/data-sets/DataSetId/revisions/RevisionId/revoke HTTP/1.1
Content-type: application/json

{
  "RevocationComment": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

[DataSetId \(p. 66\)](#)

The unique identifier for a data set.

Required: Yes

[RevisionId \(p. 66\)](#)

The unique identifier for a revision.

Required: Yes

Request Body

The request accepts the following data in JSON format.

[RevocationComment \(p. 66\)](#)

A required comment to inform subscribers of the reason their access to the revision was revoked.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 512.

Required: Yes

Response Syntax

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

{
  "Arn": "string",
  "Comment": "string",
  "CreatedAt": number,
  "DataSetId": "string",
  "Finalized": boolean,
  "Id": "string",
  "RevocationComment": "string",
}
```

```
"Revoked": boolean,  
"RevokedAt": number,  
"SourceId": "string",  
"UpdatedAt": number  
}
```

Response Elements

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

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

Arn (p. 66)

The ARN for the revision.

Type: String

Comment (p. 66)

An optional comment about the revision.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

CreatedAt (p. 66)

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

Type: Timestamp

DataSetId (p. 66)

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

Type: String

Finalized (p. 66)

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

Id (p. 66)

The unique identifier for the revision.

Type: String

RevocationComment (p. 66)

A required comment to inform subscribers of the reason their access to the revision was revoked.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 512.

Revoked (p. 66)

A status indicating that subscribers' access to the revision was revoked.

Type: Boolean

RevokedAt (p. 66)

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

Type: Timestamp

SourceId (p. 66)

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

UpdatedAt (p. 66)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

ConflictException

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

HTTP Status Code: 409

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

SendApiAsset

This operation invokes an API Gateway API asset. The request is proxied to the provider's API Gateway API.

Request Syntax

```
POST /v1?=QueryStringParameters HTTP/1.1
x-amzn-dataexchange-asset-id: AssetId
x-amzn-dataexchange-data-set-id: DataSetId
x-amzn-dataexchange-http-method: Method
x-amzn-dataexchange-path: Path
x-amzn-dataexchange-revision-id: RevisionId
Content-type: application/json

{
  "Body": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AssetId (p. 70)

Asset ID value for the API request.

Required: Yes

DataSetId (p. 70)

Data set ID value for the API request.

Required: Yes

Method (p. 70)

HTTP method value for the API request. Alternatively, you can use the appropriate verb in your request.

Path (p. 70)

URI path value for the API request. Alternatively, you can set the URI path directly by invoking /v1/{pathValue}.

QueryStringParameters (p. 70)

Attach query string parameters to the end of the URI (for example, /v1/examplePath?exampleParam=exampleValue).

RevisionId (p. 70)

Revision ID value for the API request.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Body (p. 70)

The request body.

Type: String

Required: No

Response Syntax

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

{
  "Body": "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.

Body (p. 71)

The response body from the underlying API tracked by the API asset.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

StartJob

This operation starts a job.

Request Syntax

```
PATCH /v1/jobs/JobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

JobId (p. 73)

The unique identifier for a job.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

ConflictException

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

HTTP Status Code: 409

InternalServerError

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

TagResource

This operation tags a resource.

Request Syntax

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

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

URI Request Parameters

The request uses the following URI parameters.

[ResourceArn \(p. 75\)](#)

An Amazon Resource Name (ARN) that uniquely identifies an AWS resource.

Required: Yes

Request Body

The request accepts the following data in JSON format.

[tags \(p. 75\)](#)

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

Type: String to string map

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

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

UntagResource

This operation removes one or more tags from a resource.

Request Syntax

```
DELETE /tags/ResourceArn?tagKeys=TagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[ResourceArn \(p. 77\)](#)

An Amazon Resource Name (ARN) that uniquely identifies an AWS resource.

Required: Yes

[TagKeys \(p. 77\)](#)

The key tags.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)

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

UpdateAsset

This operation updates an asset.

Request Syntax

```
PATCH /v1/data-sets/DataSetId/revisions/RevisionId/assets/AssetId HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

AssetId (p. 79)

The unique identifier for an asset.

Required: Yes

DataSetId (p. 79)

The unique identifier for a data set.

Required: Yes

RevisionId (p. 79)

The unique identifier for a revision.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Name (p. 79)

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. When importing from Amazon API Gateway API, the API name is used as the asset name. When importing from Amazon Redshift, the datashare name is used as the asset name.

Type: String

Required: Yes

Response Syntax

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

{
```



```
"Arn": "string",
"AssetDetails": {
  "ApiGatewayApiAsset": {
    "ApiDescription": "string",
    "ApiEndpoint": "string",
    "ApiId": "string",
    "ApiKey": "string",
    "ApiName": "string",
    "ApiSpecificationDownloadUrl": "string",
    "ApiSpecificationDownloadUrlExpiresAt": number,
    "ProtocolType": "string",
    "Stage": "string"
  },
  "RedshiftDataShareAsset": {
    "Arn": "string"
  },
  "S3SnapshotAsset": {
    "Size": number
  }
},
"AssetType": "string",
"CreatedAt": number,
"DataSetId": "string",
"Id": "string",
"Name": "string",
"RevisionId": "string",
"SourceId": "string",
"UpdatedAt": number
}
```

Response Elements

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

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

Arn (p. 79)

The ARN for the asset.

Type: String

AssetDetails (p. 79)

Information about the asset.

Type: [AssetDetails \(p. 100\)](#) object

AssetType (p. 79)

The type of asset that is added to a data set.

Type: String

Valid Values: S3_SNAPSHOT | REDSHIFT_DATA_SHARE | API_GATEWAY_API

CreatedAt (p. 79)

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

Type: Timestamp

DataSetId (p. 79)

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

Type: String

Id (p. 79)

The unique identifier for the asset.

Type: String

Name (p. 79)

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. When importing from Amazon API Gateway API, the API name is used as the asset name. When importing from Amazon Redshift, the datashare name is used as the asset name.

Type: String

RevisionId (p. 79)

The unique identifier for the revision associated with this asset.

Type: String

SourceId (p. 79)

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

UpdatedAt (p. 79)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

ConflictException

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

HTTP Status Code: 409

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

UpdateDataSet

This operation updates a data set.

Request Syntax

```
PATCH /v1/data-sets/DataSetId HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

DataSetId (p. 83)

The unique identifier for a data set.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description (p. 83)

The description for the data set.

Type: String

Required: No

Name (p. 83)

The name of the data set.

Type: String

Required: No

Response Syntax

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

{
  "Arn": "string",
  "AssetType": "string",
  "CreatedAt": number,
  "Description": "string",
  "Id": "string",
```

```
"Name": "string",  
"Origin": "string",  
"OriginDetails": {  
  "ProductId": "string"  
},  
"SourceId": "string",  
"UpdatedAt": number  
}
```

Response Elements

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

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

Arn (p. 83)

The ARN for the data set.

Type: String

AssetType (p. 83)

The type of asset that is added to a data set.

Type: String

Valid Values: S3_SNAPSHOT | REDSHIFT_DATA_SHARE | API_GATEWAY_API

CreatedAt (p. 83)

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

Type: Timestamp

Description (p. 83)

The description for the data set.

Type: String

Id (p. 83)

The unique identifier for the data set.

Type: String

Name (p. 83)

The name of the data set.

Type: String

Origin (p. 83)

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

Type: String

Valid Values: OWNED | ENTITLED

OriginDetails (p. 83)

If the origin of this data set is ENTITLED, includes the details for the product on AWS Marketplace.

Type: [OriginDetails \(p. 135\)](#) object

SourceId (p. 83)

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

UpdatedAt (p. 83)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)

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

UpdateEventAction

This operation updates the event action.

Request Syntax

```
PATCH /v1/event-actions/EventActionId HTTP/1.1
Content-type: application/json

{
  "Action": {
    "ExportRevisionToS3": {
      "Encryption": {
        "KmsKeyArn": "string",
        "Type": "string"
      },
      "RevisionDestination": {
        "Bucket": "string",
        "KeyPattern": "string"
      }
    }
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

EventActionId (p. 87)

The unique identifier for the event action.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Action (p. 87)

What occurs after a certain event.

Type: [Action](#) (p. 96) object

Required: No

Response Syntax

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

{
  "Action": {
    "ExportRevisionToS3": {
      "Encryption": {
        "KmsKeyArn": "string",
```



```
        "Type": "string"
      },
      "RevisionDestination": {
        "Bucket": "string",
        "KeyPattern": "string"
      }
    }
  },
  "Arn": "string",
  "CreatedAt": number,
  "Event": {
    "RevisionPublished": {
      "DataSetId": "string"
    }
  },
  "Id": "string",
  "UpdatedAt": number
}
```

Response Elements

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

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

Action (p. 87)

What occurs after a certain event.

Type: [Action \(p. 96\)](#) object

Arn (p. 87)

The ARN for the event action.

Type: String

CreatedAt (p. 87)

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

Type: Timestamp

Event (p. 87)

What occurs to start an action.

Type: [Event \(p. 109\)](#) object

Id (p. 87)

The unique identifier for the event action.

Type: String

UpdatedAt (p. 87)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

UpdateRevision

This operation updates a revision.

Request Syntax

```
PATCH /v1/data-sets/DataSetId/revisions/RevisionId HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

DataSetId (p. 90)

The unique identifier for a data set.

Required: Yes

RevisionId (p. 90)

The unique identifier for a revision.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Comment (p. 90)

An optional comment about the revision.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

Finalized (p. 90)

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: No

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

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

Response Elements

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

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

Arn (p. 90)

The ARN for the revision.

Type: String

Comment (p. 90)

An optional comment about the revision.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

CreatedAt (p. 90)

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

Type: Timestamp

DataSetId (p. 90)

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

Type: String

Finalized (p. 90)

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

Id (p. 90)

The unique identifier for the revision.

Type: String

RevocationComment (p. 90)

A required comment to inform subscribers of the reason their access to the revision was revoked.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 512.

Revoked (p. 90)

A status indicating that subscribers' access to the revision was revoked.

Type: Boolean

RevokedAt (p. 90)

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

Type: Timestamp

SourceId (p. 90)

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

UpdatedAt (p. 90)

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

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

Access to the resource is denied.

HTTP Status Code: 403

ConflictException

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

HTTP Status Code: 409

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ThrottlingException

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

HTTP Status Code: 429

ValidationException

The request was invalid.

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

Data Types

The AWS Data Exchange 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:

- [Action](#) (p. 96)
- [ApiGatewayApiAsset](#) (p. 97)
- [AssetDestinationEntry](#) (p. 99)
- [AssetDetails](#) (p. 100)
- [AssetEntry](#) (p. 101)
- [AssetSourceEntry](#) (p. 103)
- [AutoExportRevisionDestinationEntry](#) (p. 104)
- [AutoExportRevisionToS3RequestDetails](#) (p. 105)
- [DataSetEntry](#) (p. 106)
- [Details](#) (p. 108)
- [Event](#) (p. 109)
- [EventActionEntry](#) (p. 110)
- [ExportAssetsToS3RequestDetails](#) (p. 112)
- [ExportAssetsToS3ResponseDetails](#) (p. 113)
- [ExportAssetToSignedUrlRequestDetails](#) (p. 114)
- [ExportAssetToSignedUrlResponseDetails](#) (p. 115)
- [ExportRevisionsToS3RequestDetails](#) (p. 116)
- [ExportRevisionsToS3ResponseDetails](#) (p. 117)
- [ExportServerSideEncryption](#) (p. 118)
- [ImportAssetFromApiGatewayApiRequestDetails](#) (p. 119)
- [ImportAssetFromApiGatewayApiResponseDetails](#) (p. 121)
- [ImportAssetFromSignedUrlJobErrorDetails](#) (p. 123)
- [ImportAssetFromSignedUrlRequestDetails](#) (p. 124)
- [ImportAssetFromSignedUrlResponseDetails](#) (p. 125)
- [ImportAssetsFromRedshiftDataSharesRequestDetails](#) (p. 127)
- [ImportAssetsFromRedshiftDataSharesResponseDetails](#) (p. 128)
- [ImportAssetsFromS3RequestDetails](#) (p. 129)
- [ImportAssetsFromS3ResponseDetails](#) (p. 130)
- [JobEntry](#) (p. 131)
- [JobError](#) (p. 133)
- [OriginDetails](#) (p. 135)
- [RedshiftDataShareAsset](#) (p. 136)
- [RedshiftDataShareAssetSourceEntry](#) (p. 137)
- [RequestDetails](#) (p. 138)
- [ResponseDetails](#) (p. 140)

- [RevisionDestinationEntry](#) (p. 142)
- [RevisionEntry](#) (p. 143)
- [RevisionPublished](#) (p. 145)
- [S3SnapshotAsset](#) (p. 146)

Action

What occurs after a certain event.

Contents

ExportRevisionToS3

Details for the export revision to Amazon S3 action.

Type: [AutoExportRevisionToS3RequestDetails](#) (p. 105) 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ApiGatewayApiAsset

The API Gateway API that is the asset.

Contents

ApiDescription

The API description of the API asset.

Type: String

Required: No

ApiEndpoint

The API endpoint of the API asset.

Type: String

Required: No

ApiId

The unique identifier of the API asset.

Type: String

Required: No

ApiKey

The API key of the API asset.

Type: String

Required: No

ApiName

The API name of the API asset.

Type: String

Required: No

ApiSpecificationDownloadUrl

The download URL of the API specification of the API asset.

Type: String

Required: No

ApiSpecificationDownloadUrlExpiresAt

The date and time that the upload URL expires, in ISO 8601 format.

Type: Timestamp

Required: No

ProtocolType

The protocol type of the API asset.

Type: String

Valid Values: REST

Required: No

Stage

The stage of the API asset.

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

AssetDestinationEntry

The destination for the asset.

Contents

AssetId

The unique identifier for the asset.

Type: String

Required: Yes

Bucket

The S3 bucket that is the destination for the asset.

Type: String

Required: Yes

Key

The name of the object in Amazon S3 for the asset.

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

AssetDetails

Information about the asset.

Contents

ApiGatewayApiAsset

Information about the API Gateway API asset.

Type: [ApiGatewayApiAsset \(p. 97\)](#) object

Required: No

RedshiftDataShareAsset

The Amazon Redshift datashare that is the asset.

Type: [RedshiftDataShareAsset \(p. 136\)](#) object

Required: No

S3SnapshotAsset

The S3 object that is the asset.

Type: [S3SnapshotAsset \(p. 146\)](#) 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AssetEntry

An asset in AWS Data Exchange is a piece of data (S3 object) or a means of fulfilling data (Amazon Redshift datashare or Amazon API Gateway API). The asset can be a structured data file, an image file, or some other data file that can be stored as an S3 object, an Amazon API Gateway API, or an Amazon Redshift datashare. When you create an import job for your files, API Gateway APIs, or Amazon Redshift datashares, you create an asset in AWS Data Exchange.

Contents

Arn

The ARN for the asset.

Type: String

Required: Yes

AssetDetails

Information about the asset.

Type: [AssetDetails \(p. 100\)](#) object

Required: Yes

AssetType

The type of asset that is added to a data set.

Type: String

Valid Values: S3_SNAPSHOT | REDSHIFT_DATA_SHARE | API_GATEWAY_API

Required: Yes

CreatedAt

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

Type: Timestamp

Required: Yes

DataSetId

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

Type: String

Required: Yes

Id

The unique identifier for the asset.

Type: String

Required: Yes

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. When

importing from Amazon API Gateway API, the API name is used as the asset name. When importing from Amazon Redshift, the datashare name is used as the asset name.

Type: String

Required: Yes

RevisionId

The unique identifier for the revision associated with this asset.

Type: String

Required: Yes

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: No

UpdatedAt

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

Type: 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AssetSourceEntry

The source of the assets.

Contents

Bucket

The S3 bucket that's part of the source of the asset.

Type: String

Required: Yes

Key

The name of the object in Amazon S3 for the asset.

Type: String

Required: Yes

See Also

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

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

AutoExportRevisionDestinationEntry

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

Contents

Bucket

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

Type: String

Required: Yes

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: 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AutoExportRevisionToS3RequestDetails

Details of the operation to be performed by the job.

Contents

Encryption

Encryption configuration for the auto export job.

Type: [ExportServerSideEncryption \(p. 118\)](#) object

Required: No

RevisionDestination

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

Type: [AutoExportRevisionDestinationEntry \(p. 104\)](#) 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DataSetEntry

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

Contents

Arn

The ARN for the data set.

Type: String

Required: Yes

AssetType

The type of asset that is added to a data set.

Type: String

Valid Values: S3_SNAPSHOT | REDSHIFT_DATA_SHARE | API_GATEWAY_API

Required: Yes

CreatedAt

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

Type: Timestamp

Required: Yes

Description

The description for the data set.

Type: String

Required: Yes

Id

The unique identifier for the data set.

Type: String

Required: Yes

Name

The name of the data set.

Type: String

Required: Yes

Origin

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

Type: String

Valid Values: OWNED | ENTITLED

Required: Yes

OriginDetails

If the origin of this data set is ENTITLED, includes the details for the product on AWS Marketplace.

Type: [OriginDetails](#) (p. 135) object

Required: No

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: No

UpdatedAt

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

Type: 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Details

Information about the job error.

Contents

ImportAssetFromSignedUrlJobErrorDetails

Information about the job error.

Type: [ImportAssetFromSignedUrlJobErrorDetails \(p. 123\)](#) object

Required: No

ImportAssetsFromS3JobErrorDetails

Information about the job error.

Type: Array of [AssetSourceEntry \(p. 103\)](#) objects

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

Event

What occurs to start an action.

Contents

RevisionPublished

What occurs to start the revision publish action.

Type: [RevisionPublished \(p. 145\)](#) 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

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.

Contents

Action

What occurs after a certain event.

Type: [Action \(p. 96\)](#) object

Required: Yes

Arn

The Amazon Resource Name (ARN) for the event action.

Type: String

Required: Yes

CreatedAt

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

Type: Timestamp

Required: Yes

Event

What occurs to start an action.

Type: [Event \(p. 109\)](#) object

Required: Yes

Id

The unique identifier for the event action.

Type: String

Required: Yes

UpdatedAt

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

Type: 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 Go](#)

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

ExportAssetsToS3RequestDetails

Details of the operation to be performed by the job.

Contents

AssetDestinations

The destination for the asset.

Type: Array of [AssetDestinationEntry](#) (p. 99) objects

Required: Yes

DataSetId

The unique identifier for the data set associated with this export job.

Type: String

Required: Yes

Encryption

Encryption configuration for the export job.

Type: [ExportServerSideEncryption](#) (p. 118) object

Required: No

RevisionId

The unique identifier for the revision associated with this export request.

Type: String

Required: Yes

See Also

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

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

ExportAssetsToS3ResponseDetails

Details about the export to Amazon S3 response.

Contents

AssetDestinations

The destination in Amazon S3 where the asset is exported.

Type: Array of [AssetDestinationEntry](#) (p. 99) objects

Required: Yes

DataSetId

The unique identifier for the data set associated with this export job.

Type: String

Required: Yes

Encryption

Encryption configuration of the export job.

Type: [ExportServerSideEncryption](#) (p. 118) object

Required: No

RevisionId

The unique identifier for the revision associated with this export response.

Type: String

Required: Yes

See Also

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

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

ExportAssetToSignedUrlRequestDetails

Details of the operation to be performed by the job.

Contents

AssetId

The unique identifier for the asset that is exported to a signed URL.

Type: String

Required: Yes

DataSetId

The unique identifier for the data set associated with this export job.

Type: String

Required: Yes

RevisionId

The unique identifier for the revision associated with this export request.

Type: String

Required: Yes

See Also

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

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

ExportAssetToSignedUrlResponseDetails

The details of the export to signed URL response.

Contents

AssetId

The unique identifier for the asset associated with this export job.

Type: String

Required: Yes

DataSetId

The unique identifier for the data set associated with this export job.

Type: String

Required: Yes

RevisionId

The unique identifier for the revision associated with this export response.

Type: String

Required: Yes

SignedUrl

The signed URL for the export request.

Type: String

Required: No

SignedUrlExpiresAt

The date and time that the signed URL expires, in ISO 8601 format.

Type: Timestamp

Required: No

See Also

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

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

ExportRevisionsToS3RequestDetails

Details of the operation to be performed by the job.

Contents

DataSetId

The unique identifier for the data set associated with this export job.

Type: String

Required: Yes

Encryption

Encryption configuration for the export job.

Type: [ExportServerSideEncryption \(p. 118\)](#) object

Required: No

RevisionDestinations

The destination for the revision.

Type: Array of [RevisionDestinationEntry \(p. 142\)](#) objects

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

ExportRevisionsToS3ResponseDetails

Details about the export revisions to Amazon S3 response.

Contents

DataSetId

The unique identifier for the data set associated with this export job.

Type: String

Required: Yes

Encryption

Encryption configuration of the export job.

Type: [ExportServerSideEncryption \(p. 118\)](#) object

Required: No

EventActionArn

The Amazon Resource Name (ARN) of the event action.

Type: String

Required: No

RevisionDestinations

The destination in Amazon S3 where the revision is exported.

Type: Array of [RevisionDestinationEntry \(p. 142\)](#) objects

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

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.

Contents

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: No

Type

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

Type: String

Valid Values: aws:kms | AES256

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

ImportAssetFromApiGatewayApiRequestDetails

The request details.

Contents

ApiDescription

The API description. Markdown supported.

Type: String

Required: No

ApiId

The API Gateway API ID.

Type: String

Required: Yes

ApiKey

The API Gateway API key.

Type: String

Required: No

ApiName

The API name.

Type: String

Required: Yes

ApiSpecificationMd5Hash

The Base64-encoded MD5 hash of the OpenAPI 3.0 JSON API specification file. It is used to ensure the integrity of the file.

Type: String

Length Constraints: Fixed length of 24.

Pattern: (?:[A-Za-z0-9+/]{4})*(?:[A-Za-z0-9+/]{2}==|[A-Za-z0-9+/]{3}=)?

Required: Yes

DataSetId

The data set ID.

Type: String

Required: Yes

ProtocolType

The protocol type.

Type: String

Valid Values: REST

Required: Yes

RevisionId

The revision ID.

Type: String

Required: Yes

Stage

The API stage.

Type: String

Required: Yes

See Also

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

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

ImportAssetFromApiGatewayApiResponseDetails

The response details.

Contents

ApiDescription

The API description.

Type: String

Required: No

ApiId

The API ID.

Type: String

Required: Yes

ApiKey

The API key.

Type: String

Required: No

ApiName

The API name.

Type: String

Required: Yes

ApiSpecificationMd5Hash

The Base64-encoded Md5 hash for the API asset, used to ensure the integrity of the API at that location.

Type: String

Length Constraints: Fixed length of 24.

Pattern: (?:[A-Za-z0-9+/]{4})*(?:[A-Za-z0-9+/]{2}==|[A-Za-z0-9+/]{3}=)?

Required: Yes

ApiSpecificationUploadUrl

The upload URL of the API specification.

Type: String

Required: Yes

ApiSpecificationUploadUrlExpiresAt

The date and time that the upload URL expires, in ISO 8601 format.

Type: Timestamp

Required: Yes

DataSetId

The data set ID.

Type: String

Required: Yes

ProtocolType

The protocol type.

Type: String

Valid Values: REST

Required: Yes

RevisionId

The revision ID.

Type: String

Required: Yes

Stage

The API stage.

Type: String

Required: Yes

See Also

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

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

ImportAssetFromSignedUrlJobErrorDetails

Information about the job error.

Contents

AssetName

Information about the job error.

Type: String

Required: Yes

See Also

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

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

ImportAssetFromSignedUrlRequestDetails

Details of the operation to be performed by the job.

Contents

AssetName

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

Type: String

Required: Yes

DataSetId

The unique identifier for the data set associated with this import job.

Type: String

Required: Yes

Md5Hash

The Base64-encoded Md5 hash for the asset, used to ensure the integrity of the file at that location.

Type: String

Length Constraints: Fixed length of 24.

Pattern: `(?:[A-Za-z0-9+/]{4})*(?:[A-Za-z0-9+/]{2}==|[A-Za-z0-9+/]{3}=)?`

Required: Yes

RevisionId

The unique identifier for the revision associated with this import request.

Type: String

Required: Yes

See Also

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

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

ImportAssetFromSignedUrlResponseDetails

The details in the response for an import request, including the signed URL and other information.

Contents

AssetName

The name for the asset associated with this import job.

Type: String

Required: Yes

DataSetId

The unique identifier for the data set associated with this import job.

Type: String

Required: Yes

Md5Hash

The Base64-encoded Md5 hash for the asset, used to ensure the integrity of the file at that location.

Type: String

Length Constraints: Fixed length of 24.

Pattern: (?:[A-Za-z0-9+/]{4})*(?:[A-Za-z0-9+/]{2}=|[A-Za-z0-9+/]{3}=)?

Required: No

RevisionId

The unique identifier for the revision associated with this import response.

Type: String

Required: Yes

SignedUrl

The signed URL.

Type: String

Required: No

SignedUrlExpiresAt

The time and date at which the signed URL expires, in ISO 8601 format.

Type: Timestamp

Required: No

See Also

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

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

ImportAssetsFromRedshiftDataSharesRequestDetails

Details from an import from Amazon Redshift datashare request.

Contents

AssetSources

A list of Amazon Redshift datashare assets.

Type: Array of [RedshiftDataShareAssetSourceEntry](#) (p. 137) objects

Required: Yes

DataSetId

The unique identifier for the data set associated with this import job.

Type: String

Required: Yes

RevisionId

The unique identifier for the revision associated with this import job.

Type: String

Required: Yes

See Also

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

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

ImportAssetsFromRedshiftDataSharesResponseDetails

Details from an import from Amazon Redshift datashare response.

Contents

AssetSources

A list of Amazon Redshift datashare asset sources.

Type: Array of [RedshiftDataShareAssetSourceEntry \(p. 137\)](#) objects

Required: Yes

DataSetId

The unique identifier for the data set associated with this import job.

Type: String

Required: Yes

RevisionId

The unique identifier for the revision associated with this import job.

Type: String

Required: Yes

See Also

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

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

ImportAssetsFromS3RequestDetails

Details of the operation to be performed by the job.

Contents

AssetSources

Is a list of S3 bucket and object key pairs.

Type: Array of [AssetSourceEntry](#) (p. 103) objects

Required: Yes

DataSetId

The unique identifier for the data set associated with this import job.

Type: String

Required: Yes

RevisionId

The unique identifier for the revision associated with this import request.

Type: String

Required: Yes

See Also

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

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

ImportAssetsFromS3ResponseDetails

Details from an import from Amazon S3 response.

Contents

AssetSources

Is a list of Amazon S3 bucket and object key pairs.

Type: Array of [AssetSourceEntry](#) (p. 103) objects

Required: Yes

DataSetId

The unique identifier for the data set associated with this import job.

Type: String

Required: Yes

RevisionId

The unique identifier for the revision associated with this import response.

Type: String

Required: Yes

See Also

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

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

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.

Contents

Arn

The ARN for the job.

Type: String

Required: Yes

CreatedAt

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

Type: Timestamp

Required: Yes

Details

Details of the operation to be performed by the job, such as export destination details or import source details.

Type: [ResponseDetails](#) (p. 140) object

Required: Yes

Errors

Errors for jobs.

Type: Array of [JobError](#) (p. 133) objects

Required: No

Id

The unique identifier for the job.

Type: String

Required: Yes

State

The state of the job.

Type: String

Valid Values: WAITING | IN_PROGRESS | ERROR | COMPLETED | CANCELLED | TIMED_OUT

Required: Yes

Type

The job type.

Type: String

Valid Values: IMPORT_ASSETS_FROM_S3 | IMPORT_ASSET_FROM_SIGNED_URL | EXPORT_ASSETS_TO_S3 | EXPORT_ASSET_TO_SIGNED_URL | EXPORT_REVISIONS_TO_S3 | IMPORT_ASSETS_FROM_REDSHIFT_DATA_SHARES | IMPORT_ASSET_FROM_API_GATEWAY_API

Required: Yes

UpdatedAt

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

Type: 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

JobError

An error that occurred with the job request.

Contents

Code

The code for the job error.

Type: String

Valid Values: ACCESS_DENIED_EXCEPTION | INTERNAL_SERVER_EXCEPTION
| MALWARE_DETECTED | RESOURCE_NOT_FOUND_EXCEPTION |
SERVICE_QUOTA_EXCEEDED_EXCEPTION | VALIDATION_EXCEPTION |
MALWARE_SCAN_ENCRYPTED_FILE

Required: Yes

Details

The details about the job error.

Type: [Details \(p. 108\)](#) object

Required: No

LimitName

The name of the limit that was reached.

Type: String

Valid Values: Assets per revision | Asset size in GB | Amazon Redshift
datashare assets per revision

Required: No

LimitValue

The value of the exceeded limit.

Type: Double

Required: No

Message

The message related to the job error.

Type: String

Required: Yes

ResourceId

The unique identifier for the resource related to the error.

Type: String

Required: No

ResourceType

The type of resource related to the error.

Type: String

Valid Values: REVISION | ASSET | DATA_SET

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

OriginDetails

Information about the origin of the data set.

Contents

ProductId

The product ID of the origin of the data set.

Type: String

Required: Yes

See Also

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

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

RedshiftDataShareAsset

The Amazon Redshift datashare asset.

Contents

Arn

The Amazon Resource Name (ARN) of the datashare asset.

Type: String

Required: Yes

See Also

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

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

RedshiftDataShareAssetSourceEntry

The source of the Amazon Redshift datashare asset.

Contents

DataShareArn

The Amazon Resource Name (ARN) of the datashare asset.

Type: String

Required: Yes

See Also

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

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

RequestDetails

The details for the request.

Contents

ExportAssetsToS3

Details about the export to Amazon S3 request.

Type: [ExportAssetsToS3RequestDetails \(p. 112\)](#) object

Required: No

ExportAssetToSignedUrl

Details about the export to signed URL request.

Type: [ExportAssetToSignedUrlRequestDetails \(p. 114\)](#) object

Required: No

ExportRevisionsToS3

Details about the export to Amazon S3 request.

Type: [ExportRevisionsToS3RequestDetails \(p. 116\)](#) object

Required: No

ImportAssetFromApiGatewayApi

Details about the import from signed URL request.

Type: [ImportAssetFromApiGatewayApiRequestDetails \(p. 119\)](#) object

Required: No

ImportAssetFromSignedUrl

Details about the import from Amazon S3 request.

Type: [ImportAssetFromSignedUrlRequestDetails \(p. 124\)](#) object

Required: No

ImportAssetsFromRedshiftDataShares

Details from an import from Amazon Redshift datashare request.

Type: [ImportAssetsFromRedshiftDataSharesRequestDetails \(p. 127\)](#) object

Required: No

ImportAssetsFromS3

Information about the import asset from API Gateway API request.

Type: [ImportAssetsFromS3RequestDetails \(p. 129\)](#) 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ResponseDetails

Details for the response.

Contents

ExportAssetsToS3

Details for the export to Amazon S3 response.

Type: [ExportAssetsToS3ResponseDetails \(p. 113\)](#) object

Required: No

ExportAssetToSignedUrl

Details for the export to signed URL response.

Type: [ExportAssetToSignedUrlResponseDetails \(p. 115\)](#) object

Required: No

ExportRevisionsToS3

Details for the export revisions to Amazon S3 response.

Type: [ExportRevisionsToS3ResponseDetails \(p. 117\)](#) object

Required: No

ImportAssetFromApiGatewayApi

The response details.

Type: [ImportAssetFromApiGatewayApiResponseDetails \(p. 121\)](#) object

Required: No

ImportAssetFromSignedUrl

Details for the import from signed URL response.

Type: [ImportAssetFromSignedUrlResponseDetails \(p. 125\)](#) object

Required: No

ImportAssetsFromRedshiftDataShares

Details from an import from Amazon Redshift datashare response.

Type: [ImportAssetsFromRedshiftDataSharesResponseDetails \(p. 128\)](#) object

Required: No

ImportAssetsFromS3

Details for the import from Amazon S3 response.

Type: [ImportAssetsFromS3ResponseDetails \(p. 130\)](#) 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RevisionDestinationEntry

The destination where the assets in the revision will be exported.

Contents

Bucket

The S3 bucket that is the destination for the assets in the revision.

Type: String

Required: Yes

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: No

RevisionId

The unique identifier for the revision.

Type: String

Required: Yes

See Also

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

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

RevisionEntry

A revision is a container for one or more assets.

Contents

Arn

The ARN for the revision.

Type: String

Required: Yes

Comment

An optional comment about the revision.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

CreatedAt

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

Type: Timestamp

Required: Yes

DataSetId

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

Type: String

Required: Yes

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: No

Id

The unique identifier for the revision.

Type: String

Required: Yes

RevocationComment

A required comment to inform subscribers of the reason their access to the revision was revoked.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 512.

Required: No

Revoked

A status indicating that subscribers' access to the revision was revoked.

Type: Boolean

Required: No

RevokedAt

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

Type: Timestamp

Required: No

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: No

UpdatedAt

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

Type: 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RevisionPublished

Information about the published revision.

Contents

DataSetId

The data set ID of the published revision.

Type: String

Required: Yes

See Also

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

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

S3SnapshotAsset

The S3 object that is the asset.

Contents

Size

The size of the S3 object that is the object.

Type: Double

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 Go](#)
- [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 [Signature Version 4 Signing Process](#) in the *Amazon Web Services General Reference*.

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 [Task 2: Create a String to Sign for Signature Version 4](#) in the *Amazon Web Services General Reference*.

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'THHMMSS'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 [Handling Dates in Signature Version 4](#) in the *Amazon Web Services General Reference*.

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 Security Token Service, go to [AWS Services That Work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from the AWS Security Token Service, 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 [Task 1: Create a Canonical Request For Signature Version 4](#) in the *Amazon Web Services General Reference*.

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: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

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

HTTP Status Code: 500

InvalidAction

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

HTTP Status Code: 400

InvalidClientTokenId

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

HTTP Status Code: 403

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

An invalid or out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

InvalidQueryParameter

The AWS query string is malformed or does not adhere to AWS standards.

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400

MissingAuthenticationToken

The request must contain either a valid (registered) AWS access key ID or X.509 certificate.

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

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

HTTP Status Code: 403

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

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

ValidationError

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

HTTP Status Code: 400

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. To subscribe to the RSS feed, you must have an RSS plug-in enabled for the browser you are using.

Change	Description	Date
Documentation organization enhancements (p. 151)	Documentation-only update to enhance the organization of the AWS Data Exchange API Reference Guide.	September 7, 2022
Revoke Revision API operation (p. 151)	Providers can now use the RevokeRevision API operation to revoke subscriber access to a revision.	March 15, 2022
Send API Asset API operation and updates to Asset, Data Set, and Job API operations (p. 151)	Providers can now use the CreateDataSet API operation to include a new AssetType: <code>IMPORT_ASSET_FROM_API_GATEWAY_API</code> , which adds API assets from Amazon API Gateway. This new job type, which affects the Job shape, comes with its own Details block that looks very similar to other Job types. Subscribers can now use the SendApiAsset API operation to invoke a provider's Amazon API Gateway API that they are entitled to.	November 29, 2021
(Preview) Updates to Asset, Data Set, and Job API operations (p. 151)	(Preview) Providers can now use the CreateDataSet API operation to include a new AssetType: <code>REDSHIFT_DATA_SHARE</code> , which affects the Data Set shape. Assets can now be Type <code>REDSHIFT_DATA_SHARE</code> , which only affects the Asset shape. There is a new <code>AssetDetails</code> object for this type, which points at the Amazon Redshift datashare ARN. Providers can now use the CreateJob API operation to run a new job type: <code>IMPORT_ASSETS_FROM_REDSHIFT_DATA_SHARES</code> , which adds assets from Amazon Redshift datashares. This new	October 19, 2021

	job type, which affects the Job shape, comes with its own Details block that looks very similar to other Job types.	
Event Action API operation and Event Actions API operation (p. 151)	Subscribers can now use the Event Action API operation and Event Actions 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. 151)	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